

September 26, 2024 Diane Czarnecki Industrial Hygienist Facilities Management Division GSA Public Buildings Service – Heartland Region 2300 Main Street Kansas City, MO 64108

Re: Goodfellow Federal Center – Bldg. 110 Drinking Water Sampling

Project No. 121244

Dear Ms. Czarnecki:

Thank you for the opportunity to provide the General Services Administration (GSA) with the above referenced environmental sampling activities. The following is our report.

INTRODUCTION

As requested, Burns & McDonnell conducted drinking water sampling and testing for the presence of lead and copper at Building 110 of the Goodfellow Federal Center located at 4300 Goodfellow Boulevard in St. Louis, Missouri. Sampling was completed in response to the ongoing environmental condition assessment at the Goodfellow Federal Center.

Drinking water sampling was conducted to determine the current levels of lead and copper in representative sources throughout the complex. Drinking water sampling at Bldg. 110 was conducted on September 5, 2024 by Jeff Smith of OCCU-TEC.

METHODOLOGY

The sampling methodology used during this investigation was developed in general accordance with the United States Environmental Protection Agency's (EPA) "Quick Guide to Drinking Water Sample Collection – Second Edition" developed by the EPA Region 8 in September 2016.

Samples were collected as first draw samples in accordance with the Lead and Copper Rule (40 CFR Part 141 Subpart I). First draw samples represent 'worst case' conditions with water that has been stationary within the plumbing systems for a minimum of six hours. The samples were collected in individually labeled 1000 milliliter (mL) plastic bottles capped with Teflon septa lined screw caps. The bottles were filled to the shoulder with water from the sample source. The samples were then placed in a cooler for safe transport. Each sample was acidified at the laboratory as needed.

Drinking water sampling for the presence of lead and copper was conducted at two (2) distinct locations within Building 110. A total of three (3) samples were obtained including duplicate samples. After each drinking water sample was collected, Burns & McDonnell filled a separate sample cup with approximately 2 inches of water. Burns & McDonnell placed an Oakton pH30 pH tester into the sample cup. After readings stabilized, Burns & McDonnell recorded the



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readings for pH (the acidity or basicity of an aqueous solution) and the temperature (in degrees Celsius) on site specific sample logs.

Drinking water samples were submitted to Eurofins-Eaton Analytical in South Bend, IN for analyses of lead and copper. Eurofins-Eaton Analytical is certified by the State of Missouri Department of Natural Resources (MDNR) as an approved drinking water laboratory. Eurofins-Eaton Analytical's Missouri Certification number is 880.

The drinking water samples were collected using media supplied by Eurofins-Eaton Analytical. Lead and Copper samples were collected and analyzed in accordance with EPA Method 200.8.

RESULTS AND DISCUSSION

The results for the subject testing are summarized in the table below.

Analysis	Lowest Concentration ^(a)	Highest Concentration ^(a)	Action Level ^(b)
Lead	$<$ 0.50 μ g/L	$<$ 0.50 μ g/L	15 μg/L
Copper	86 μg/L	90 μg/L	1300 μg/L

Notes:

- (a) Samples with a "<" sign indicate that the results were below the reportable limit.
- (b) As per EPA Lead and Copper Rule (40 CFR Part 141 Subpart I).
- (c) μg/L micrograms per liter

No samples resulted in levels over the action levels, 15 μ g/L for lead and 1,300 μ g/L for copper.

A summary table of all sampling results by location is included in Appendix A. The complete laboratory report for the drinking water sampling from Eurofins-Eaton Analytical is attached in Appendix B.

ηH

Normal pH levels for drinking water are between 6.0 to 8.5. Water with a pH < 6.5 is considered acidic, soft, and corrosive. Acidic water may contain metal ions, may cause premature damage to metal piping, and increases the likelihood of leaching. Water with a pH > 8.5 is considered alkaline or basic and can indicate that the water is hard. Hard water does not pose a health risk but can cause aesthetic problems. These problems include an alkali taste, the formation of scale deposits, and difficulty in getting soaps and detergents to lather.

Recorded pH levels in Building 110 ranged from 10.20 to 10.30 indicating the drinking water is slightly alkaline.



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LIMITATIONS

The scope of this assessment was limited in nature. Burns & McDonnell collected samples from a select number of drinking water sources in an effort to minimize cost while providing a general overview of the drinking water quality at the site. Sample locations do not encompass every drinking water source at the Site. Additionally, samples were only analyzed for a select number of potential contaminants likely to affect the drinking water quality at the site. Burns & McDonnell is not responsible for potential contaminants not identified in this report.

Burns & McDonnell appreciates the opportunity to work with the GSA on this project. Please contact us if you have any questions regarding this report or if we may be of any additional service.

Sincerely,



Matt Shanahan, CHMM Project Manager

Attachments:

Appendix A - Results Summary by Location Appendix B - Water Sample Laboratory Report



Appendix A

Results Summary by Location

Sample Number	Location	рН	Temp (°C)	Water Source	Analyte		Result	Units	Above / Below	AL
110-SK-01	Break room sink	10.3	24.8	Sink	Copper		90	μg/L	Below	1300
110-SK-01	Break room sink	10.3	24.8	Sink	Lead	٧	0.50	μg/L	Below	1 5
110-SK-02	Duplicate of 110-SK-01	10.3	24.8	Sink D	Copper		86	μg/L	Below	1300
110-SK-02	Duplicate of 110-SK-01	10.3	24.8	Sink D	Lead	٧	0.50	μg/L	Below	1 5
110-SK-03	Men's room sink	10.2	25.6	Sink	Copper		86	μg/L	Below	1300
110-SK-03	Men's room sink	10.2	25.6	Sink	Lead	<	0.50	μg/L	Below	15

Notes:

D - Duplicate

AL - Action Level

SK - Sink

μg/L - micrograms per liter



PREPARED FOR

Generated 9/13/2024 9:44:17 AM

Attn: Mr. Matt Shanahan Burns & McDonnell 425 South Woods Mill Road Suite 300 Chesterfield, Missouri 63017

ANALYTICAL REPORT

JOB DESCRIPTION

Burns & McDonnell

JOB NUMBER

810-119269-1

Eurofins Eaton Analytical South Bend 110 S Hill Street South Bend IN 46617



Eurofins Eaton Analytical South Bend

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

Authorization



Authorized for release by Amanda Scott, Project Manager Amanda.Scott@et.eurofinsus.com (574)233-4777 •

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Laboratory Job ID: 810-119269-1

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Definitions/Glossary

Client: Burns & McDonnell Job ID: 810-119269-1

Project/Site: Burns & McDonnell

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.						
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis						
a							

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Q

Case Narrative

Client: Burns & McDonnell
Project: Burns & McDonnell
Job ID: 810-119269-1

Job ID: 810-119269-1

Eurofins Eaton Analytical South Bend

Job Narrative 810-119269-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
 situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
 specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/9/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample ID: 107-DF-01

Lab Sample ID: 810-119269-1

Matrix: Drinking Water

Matrix: Drinking Water

Job ID: 810-119269-1

Date Collected: 09/05/24 06:10 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Lead	<0.50	0.50	ug/L			09/11/24 18:17	1
	Copper	41	1.0	ug/L			09/11/24 18:17	1

Client Sample ID: 107-SK-02

Date Collected: 09/05/24 06:15

Lab Sample ID: 810-119269-2

Matrix: Drinking Water

Date Collected: 09/05/24 06:15 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)									
	Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Lead	<0.50		0.50	ug/L			09/11/24 18:20	1
	Copper	68		1.0	ug/L			09/11/24 18:20	1

Client Sample ID: 107-SK-03

Date Collected: 09/05/24 06:15

Lab Sample ID: 810-119269-3

Matrix: Drinking Water

Date Collected: 09/05/24 06:15 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)								
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			09/11/24 18:22	1
Copper	53		1.0	ug/L			09/11/24 18:22	1

Client Sample ID: 107-SK-04 Lab Sample ID: 810-119269-4

Date Collected: 09/05/24 06:20 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Lead <0.50 0.50 ug/L 09/11/24 18:30 Copper 21 1.0 ug/L 09/11/24 18:30

Client Sample ID: 110-SK-01

Date Collected: 09/05/24 06:32

Lab Sample ID: 810-119269-5

Matrix: Drinking Water

Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)									
	Analyte	Result Q	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Lead	<0.50		0.50	ug/L			09/11/24 18:33	1
	Copper	90		1.0	ug/L			09/11/24 18:33	1

Client Sample ID: 110-SK-02

Date Collected: 09/05/24 06:32

Lab Sample ID: 810-119269-6

Matrix: Drinking Water

Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)							
Analyte	Result Q	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50	0.50	ug/L			09/11/24 18:41	1
Copper	86	1.0	ug/L			09/11/24 18:41	1

Eurofins Eaton Analytical South Bend

Job ID: 810-119269-1

Matrix: Drinking Water

Matrix: Drinking Water

Matrix: Drinking Water

Client: Burns & McDonnell Project/Site: Burns & McDonnell

Client Sample ID: 110-SK-03 Lah Sample ID: 810-119269-7

Date Received: 09/09/24 10:00

oliciti Gampie IB. 110-014-00	Lab Gample 15: 010-113203-7
Date Collected: 09/05/24 06:40	Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL Unit Dil Fac D Prepared Analyzed Lead <0.50 0.50 09/11/24 18:44 ug/L 09/11/24 18:44 1.0 ug/L Copper 86

Client Sample ID: 105L-DF-01 Lab Sample ID: 810-119269-8

Date Collected: 09/05/24 06:55 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RLUnit D Dil Fac Prepared Analyzed Lead 0.72 0.50 ug/L 09/11/24 18:47 1.0 ug/L 09/11/24 18:47 Copper 26

Client Sample ID: 105L-DF-02 Lab Sample ID: 810-119269-9

Date Collected: 09/05/24 06:55 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RI Unit D Prepared Analyzed Dil Fac Lead 0.65 0.50 ug/L 09/11/24 18:50 ug/L 09/11/24 18:50 Copper 1.0 25

Client Sample ID: 105L-SK-03 Lab Sample ID: 810-119269-10

Date Collected: 09/05/24 07:02 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed 0.50 09/11/24 18:52 Lead 0.72 ug/L Copper 28 1.0 ug/L 09/11/24 18:52

Lab Sample ID: 810-119269-11 Client Sample ID: 106-DF-01 Date Collected: 09/05/24 10:30 **Matrix: Drinking Water**

Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.50 09/11/24 18:55 Lead 0.54 ug/L 09/11/24 18:55 Copper 69 1.0 ug/L

Client Sample ID: 106--SK-02 Lab Sample ID: 810-119269-12 **Matrix: Drinking Water**

Date Collected: 09/05/24 10:32 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Lead <0.50 0.50 ug/L 09/11/24 18:58 1.0 ug/L 09/11/24 18:58 Copper 4.1

Eurofins Eaton Analytical South Bend

Client Sample ID: 106-SK-03

Lab Sample ID: 810-119269-13

Matrix: Drinking Water

Matrix: Drinking Water

Job ID: 810-119269-1

Date Collected: 09/05/24 10:32 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Lead	<0.50	0.50	ug/L			09/11/24 19:01	1
	Copper	4.2	1.0	ug/L			09/11/24 19:01	1

Client Sample ID: 105-DF-01 Lab Sample ID: 810-119269-14

Date Collected: 09/06/24 06:10 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RLUnit D Dil Fac Prepared Analyzed Lead <0.50 0.50 ug/L 09/11/24 19:14 1.0 ug/L 09/11/24 19:14 Copper 13

Lab Sample ID: 810-119269-15 Client Sample ID: 105-DF-02

Date Received: 09/09/24 10:00

Date Collected: 09/06/24 06:11 **Matrix: Drinking Water**

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Lead 0.90 0.50 ug/L 09/11/24 19:17 ug/L 09/11/24 19:17 Copper 1.0 37

Client Sample ID: 105-SK-03 Lab Sample ID: 810-119269-16 **Matrix: Drinking Water**

Date Collected: 09/06/24 06:20 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL Unit D Dil Fac Prepared Analyzed Lead 0.50 09/11/24 19:20 < 0.50 ug/L Copper 63 1.0 ug/L 09/11/24 19:20

Lab Sample ID: 810-119269-17 Client Sample ID: 105-DF-04 Date Collected: 09/06/24 06:28 **Matrix: Drinking Water**

Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac 0.50 09/11/24 19:28 Lead < 0.50 ug/L 09/11/24 19:28 Copper 84 1.0 ug/L

Client Sample ID: 105-DF-05 Lab Sample ID: 810-119269-18 **Matrix: Drinking Water**

Date Collected: 09/06/24 06:28 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Lead <0.50 0.50 ug/L 09/11/24 19:31 1.0 ug/L 09/11/24 19:31 Copper 43

Client Sample ID: 105-DF-06

Lab Sample ID: 810-119269-19

Matrix: Drinking Water

Matrix: Drinking Water

Matrix: Drinking Water

Job ID: 810-119269-1

Date Collected: 09/06/24 06:28 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Lead	<0.50	0.50	ug/L			09/11/24 19:33	1
	Copper	39	1.0	ug/L			09/11/24 19:33	1

Client Sample ID: 105-SK-07 Lab Sample ID: 810-119269-20 **Matrix: Drinking Water**

Date Collected: 09/06/24 06:33 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)										
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Lead	1.1		0.50	ug/L			09/11/24 19:36	1		
Copper	16		1.0	ug/L			09/11/24 19:36	1		

Client Sample ID: 105-SK-08 Lab Sample ID: 810-119269-21

Date Collected: 09/06/24 06:34 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)									
Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac		
Lead	<0.50	0.50	ug/L			09/11/24 19:39	1		
Copper	16	1.0	ug/L			09/11/24 19:39	1		

Client Sample ID: 105-SK-09 Lab Sample ID: 810-119269-22

Date Collected: 09/06/24 06:38 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.50 Lead <0.50 ug/L 09/11/24 19:42 Copper 11 1.0 ug/L 09/11/24 19:42

Client Sample ID: 105-DF-10 Lab Sample ID: 810-119269-23 Date Collected: 09/06/24 06:44 **Matrix: Drinking Water**

Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Lead	1.2		0.50	ug/L			09/11/24 19:44	1
	Copper	65		1.0	ug/L			09/11/24 19:44	1

Client Sample ID: 105-DF-11 Lab Sample ID: 810-119269-24 **Matrix: Drinking Water**

Date Collected: 09/06/24 06:45 Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Lead	1.3		0.50	ug/L			09/11/24 19:53	1
	Copper	49		1.0	ug/L			09/11/24 19:53	1

Eurofins Eaton Analytical South Bend

Client Sample Results

Client: Burns & McDonnell Job ID: 810-119269-1

Project/Site: Burns & McDonnell

Client Sample ID: 105-SK-12 Lab Sample ID: 810-119269-25

Date Collected: 09/06/24 06:55 **Matrix: Drinking Water**

Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (IC								
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			09/11/24 19:55	1
Copper	46		1.0	ug/L			09/11/24 19:55	1

Client Sample ID: 105-SK-13 Lab Sample ID: 810-119269-26

Date Collected: 09/06/24 06:55 **Matrix: Drinking Water**

Date Received: 09/09/24 10:00

Method: EPA 200.8 - Metals (IC								
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			09/11/24 19:58	1
Copper	42		1.0	ug/L			09/11/24 19:58	1

Project/Site: Burns & McDonnell

Client Sample ID: 107-DF-01

Date Collected: 09/05/24 06:10 Date Received: 09/09/24 10:00

Lab	Sample	ID:	810-	11926	9-1
		4.00	D 2 4 1		

Matrix: Drinking Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	114419	CA	EA SB	09/11/24 18:17

Lab Sample ID: 810-119269-2 Client Sample ID: 107-SK-02

Matrix: Drinking Water

Date Collected: 09/05/24 06:15 Date Received: 09/09/24 10:00

Analysis

200.8

Total/NA

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8			114419	CA	EA SB	09/11/24 18:20

Client Sample ID: 107-SK-03 Lab Sample ID: 810-119269-3

Date Collected: 09/05/24 06:15 **Matrix: Drinking Water** Date Received: 09/09/24 10:00

Batch Batch Dilution Batch **Prepared** or Analyzed **Prep Type** Method **Factor Number Analyst** Type Run Lab 09/11/24 18:22 EA SB

Client Sample ID: 107-SK-04 Lab Sample ID: 810-119269-4

114419 CA

Date Collected: 09/05/24 06:20 **Matrix: Drinking Water** Date Received: 09/09/24 10:00

Batch Batch Dilution Batch **Prepared Prep Type** Method Run **Factor Number Analyst** or Analyzed Type Lab Total/NA Analysis 200.8 114419 CA EA SB 09/11/24 18:30

Client Sample ID: 110-SK-01 Lab Sample ID: 810-119269-5

Date Collected: 09/05/24 06:32 **Matrix: Drinking Water** Date Received: 09/09/24 10:00

Batch Batch Dilution Batch Prepared Method Run **Factor** Number Analyst or Analyzed **Prep Type** Type Lab 09/11/24 18:33 Total/NA Analysis 200.8 114419 CA EA SB

Client Sample ID: 110-SK-02 Lab Sample ID: 810-119269-6

Date Collected: 09/05/24 06:32 **Matrix: Drinking Water**

Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	114419	CA	EA SB	09/11/24 18:41

Client Sample ID: 110-SK-03 Lab Sample ID: 810-119269-7 Date Collected: 09/05/24 06:40 **Matrix: Drinking Water**

Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	114419	CA	EA SB	09/11/24 18:44

Client Sample ID: 105L-DF-01

Date Collected: 09/05/24 06:55 Date Received: 09/09/24 10:00

Lab Sample ID: 810-119269-8

Matrix: Drinking Water

Dilution Batch Ratch Batch Prepared Method or Analyzed **Prep Type** Type Run **Factor Number Analyst** Lab 09/11/24 18:47 Total/NA 114419 CA EA SB Analysis 200.8

Client Sample ID: 105L-DF-02 Lab Sample ID: 810-119269-9

Date Collected: 09/05/24 06:55 Date Received: 09/09/24 10:00

Batch Batch Dilution Batch **Prepared Prep Type** Type Method Run **Factor Number Analyst** Lab or Analyzed Total/NA Analysis 200.8 114419 CA FA SB 09/11/24 18:50

Client Sample ID: 105L-SK-03 Lab Sample ID: 810-119269-10

Date Collected: 09/05/24 07:02 Date Received: 09/09/24 10:00

Batch Batch Dilution Batch Prepared **Prep Type** Method **Factor Number Analyst** or Analyzed Type Run Lab 09/11/24 18:52 EA SB Total/NA Analysis 200.8 114419 CA

Client Sample ID: 106-DF-01 Lab Sample ID: 810-119269-11 **Matrix: Drinking Water**

Date Collected: 09/05/24 10:30 Date Received: 09/09/24 10:00

Batch Batch Dilution Batch Prepared **Prep Type** Method Run Factor **Number Analyst** or Analyzed Type Lab Analysis 200.8 114419 CA EA SB 09/11/24 18:55 Total/NA

Client Sample ID: 106--SK-02 Lab Sample ID: 810-119269-12

Date Collected: 09/05/24 10:32 Date Received: 09/09/24 10:00

Batch Batch Dilution Batch Prepared Method Run Factor Number Analyst or Analyzed **Prep Type** Type Lab 09/11/24 18:58 Total/NA Analysis 200.8 114419 CA **EASB**

Client Sample ID: 106-SK-03 Lab Sample ID: 810-119269-13

Date Collected: 09/05/24 10:32 Date Received: 09/09/24 10:00

Batch Dilution Batch Batch Prepared **Prep Type** Type Method Run **Factor Number Analyst** Lab or Analyzed EA SB 09/11/24 19:01 Total/NA Analysis 200.8 114419 CA

Client Sample ID: 105-DF-01 Lab Sample ID: 810-119269-14

Date Collected: 09/06/24 06:10 Date Received: 09/09/24 10:00

Batch Batch Dilution Batch **Prepared** Method Prep Type Type Run **Factor Number Analyst** Lab or Analyzed 09/11/24 19:14 200.8 EA SB Total/NA Analysis 114419 CA

Client: Burns & McDonnell

Project/Site: Burns & McDonnell

Client Sample ID: 105-DF-02

Date Collected: 09/06/24 06:11 Date Received: 09/09/24 10:00 Lab Sample ID: 810-119269-15

Matrix: Drinking Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	114419	CA	EA SB	09/11/24 19:17

Client Sample ID: 105-SK-03 Lab Sample ID: 810-119269-16

Matrix: Drinking Water

Matrix: Drinking Water

Date Collected: 09/06/24 06:20 Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch		Prepared
Prep Type	Type	Method	Run	Factor	Number Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8			114419 CA	EA SB	09/11/24 19:20

Client Sample ID: 105-DF-04 Lab Sample ID: 810-119269-17

Date Collected: 09/06/24 06:28 **Matrix: Drinking Water**

Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	114419	CA	EA SB	09/11/24 19:28

Client Sample ID: 105-DF-05 Lab Sample ID: 810-119269-18

Date Collected: 09/06/24 06:28 **Matrix: Drinking Water** Date Received: 09/09/24 10:00

Batch Batch Dilution Batch **Prepared Prep Type** Type Method Run **Factor** Number Analyst Lab or Analyzed Total/NA Analysis 200.8 114419 CA EA SB 09/11/24 19:31

Client Sample ID: 105-DF-06 Lab Sample ID: 810-119269-19

Date Collected: 09/06/24 06:28 Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	114419	CA	EA SB	09/11/24 19:33

Client Sample ID: 105-SK-07 Lab Sample ID: 810-119269-20

Date Collected: 09/06/24 06:33 **Matrix: Drinking Water** Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	114419	CA	EA SB	09/11/24 19:36

Client Sample ID: 105-SK-08 Lab Sample ID: 810-119269-21 Date Collected: 09/06/24 06:34 **Matrix: Drinking Water**

Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8			114419	CA	EA SB	09/11/24 19:39

Job ID: 810-119269-1

Client: Burns & McDonnell Project/Site: Burns & McDonnell

Lab Sample ID: 810-119269-22

Matrix: Drinking Water

Client Sample ID: 105-SK-09
Date Collected: 09/06/24 06:38
Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	114419	CA	EA SB	09/11/24 19:42

Client Sample ID: 105-DF-10 Lab Sample ID: 810-119269-23

Matrix: Drinking Water

Date Collected: 09/06/24 06:44 Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8			114419	CA	EA SB	09/11/24 19:44

Client Sample ID: 105-DF-11 Lab Sample ID: 810-119269-24

Date Collected: 09/06/24 06:45 Matrix: Drinking Water

Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8			114419	CA	EA SB	09/11/24 19:53

Client Sample ID: 105-SK-12 Lab Sample ID: 810-119269-25

Date Collected: 09/06/24 06:55 Matrix: Drinking Water

Date Received: 09/09/24 10:00

		Batch	Batch		Dilution	Batch			Prepared
Pre	р Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Tota	al/NA	Analysis	200.8			114419	CA	EA SB	09/11/24 19:55

Client Sample ID: 105-SK-13 Lab Sample ID: 810-119269-26

Date Collected: 09/06/24 06:55 Matrix: Drinking Water

Date Received: 09/09/24 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8			114419	CA	EA SB	09/11/24 19:58

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

Accreditation/Certification Summary

Client: Burns & McDonnell
Project/Site: Burns & McDonnell

Job ID: 810-119269-1

Laboratory: Eurofins Eaton Analytical South Bend

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Missouri	State	880	09-30-27

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Method Summary

Client: Burns & McDonnell Project/Site: Burns & McDonnell

Job ID: 810-119269-1

Method
200.8Method Description
Metals (ICP/MS)Protocol
EPALaboratory
EA SB

4

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EASB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

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Sample Summary

Client: Burns & McDonnell
Project/Site: Burns & McDonnell

Job ID: 810-119269-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-119269-1	107-DF-01	Drinking Water	09/05/24 06:10	09/09/24 10:00
810-119269-2	107-SK-02	Drinking Water	09/05/24 06:15	09/09/24 10:00
810-119269-3	107-SK-03	Drinking Water	09/05/24 06:15	09/09/24 10:00
810-119269-4	107-SK-04	Drinking Water	09/05/24 06:20	09/09/24 10:00
810-119269-5	110-SK-01	Drinking Water	09/05/24 06:32	09/09/24 10:00
810-119269-6	110-SK-02	Drinking Water	09/05/24 06:32	09/09/24 10:00
810-119269-7	110-SK-03	Drinking Water	09/05/24 06:40	09/09/24 10:00
810-119269-8	105L-DF-01	Drinking Water	09/05/24 06:55	09/09/24 10:00
810-119269-9	105L-DF-02	Drinking Water	09/05/24 06:55	09/09/24 10:00
810-119269-10	105L-SK-03	Drinking Water	09/05/24 07:02	09/09/24 10:00
810-119269-11	106-DF-01	Drinking Water	09/05/24 10:30	09/09/24 10:00
810-119269-12	106SK-02	Drinking Water	09/05/24 10:32	09/09/24 10:00
810-119269-13	106-SK-03	Drinking Water	09/05/24 10:32	09/09/24 10:00
810-119269-14	105-DF-01	Drinking Water	09/06/24 06:10	09/09/24 10:00
810-119269-15	105-DF-02	Drinking Water	09/06/24 06:11	09/09/24 10:00
810-119269-16	105-SK-03	Drinking Water	09/06/24 06:20	09/09/24 10:00
810-119269-17	105-DF-04	Drinking Water	09/06/24 06:28	09/09/24 10:00
810-119269-18	105-DF-05	Drinking Water	09/06/24 06:28	09/09/24 10:00
810-119269-19	105-DF-06	Drinking Water	09/06/24 06:28	09/09/24 10:00
810-119269-20	105-SK-07	Drinking Water	09/06/24 06:33	09/09/24 10:00
810-119269-21	105-SK-08	Drinking Water	09/06/24 06:34	09/09/24 10:00
810-119269-22	105-SK-09	Drinking Water	09/06/24 06:38	09/09/24 10:00
810-119269-23	105-DF-10	Drinking Water	09/06/24 06:44	09/09/24 10:00
810-119269-24	105-DF-11	Drinking Water	09/06/24 06:45	09/09/24 10:00
810-119269-25	105-SK-12	Drinking Water	09/06/24 06:55	09/09/24 10:00
810-119269-26	105-SK-13	Drinking Water	09/06/24 06:55	09/09/24 10:00

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DW-DRINKING WATER RW-REAGENT WATER GW-GROUND WATER EW-EXPOSURE WATER SW-SURFACE WATER PW-POOL WATER WW-WASTE WATER	MATRIX CODES:		RELINQUISHED BY:(Signature)		RELINQUISHED BY:(Signature)	(b) (6)	REL INQUISHED BY (Signature)	4	3	2		Ō	40	88	7	6	5	4	3	2	9.		LAB Number	Garant.		Cansas City, MO	o edpul	Shaded a	www.f.profinstIS.com/Eaton	eurofins
RV* = Standard written 12 working days) RV* = Rush Verbal (5 working days) RW* = Rush Written (5 working days)	TURN-AROUN	2	DATE	A	DATE	9-6-24 4	DATE		1032	1032	1030	762.	656	N 859 A	040	632	632 '	620	615	615	9 4	DATE TIME A	COLLECTION			ave say	W.	EEA use only		
RV* = Standard Written (15 working days)	2	AM PM	TIME RECEIVED FOR LABORATORY BY	AM PM	TIME RECEIVED BY: (Signatu	4:20 (b) (6)	TIME RECEIVED BY:(Signature)		106 -SK	106-SK-	106-DF-	105C-SK	1051 - DE	1054 - DF	110 - SK	110-SK-	110-56-	107-SK-	107-SK-	107-SK-	107-DF	AM PM	SAI	COMPLIANCE		(b) (6)	SAMPLER (Signature)			Eaton Analytical
			ATORY BY: DATE		Jre) LV DATE	9/9/	ure) DATE		-03	20	10-	-03	-02	100	-03	-62	10	40	03	02	10-		SAMPLING SITE	×	Yes No			CHAIN C		810-119269 COC
	100 = Immediate Vorbal: (3 working dave) 100%	AM PM lced:	CONDITIONS	1		AM PM LAB COMMENTS	TIME														lead + Cop		TEST	2/4	POPULATION SERVED		PWS ID#	CHAIN OF CUSTODY REC		ic .
*		Iced: Wet/Blue Ambient	UPON RECEIPT (check one):				LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT														pener		EST NAME	Mannicipal	SOURCE WATER	mo	STATE (sample origin)	ECORD		110 S. Hill Street South Bend, IN 46617 T: 1.800.332.4345 F: 1.574.233.8207
Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges. 06-LO-F0435 Issue 6.0 Effective Date		°C Upon Receigt		An	>		SED PORTIONS OF NON-AQUEOU								<						×	YES	SAMPLE REMARKS CHI.	8	7	134)	PROJECT NAME	Page		
ced with less emaining may ges. Effective Date: 2016-09-20		N/A		abjent			JS SAMPLES TO CLIENT								(V					ms ma	# C	ATRIX	CODE	_		DO #	of		Order#Batch#

06-LO-F0435 Issue 6.0 Effective Date: 2016-09-20

* Please call, expedited service not available for all testing

eurotins	www EurofinsUS.com/Eaton	REPORT TO EQUULA	CHOO Ward Parkway	BILL TO	Same.	LAB Number														
	for EEA use only	a Du Lang Cophynemia Com		00 000		COLLECTION	DATE TIME AM PM	9-6-24 6010	\neg	1020	628	628	628	633	1 634 1	829	1 444	6th	1 55%	552
Eaton Analytical		SAMPLES (Signature	(b) (6)		COMPLIANCE	s,		105-DF-0	105-DF-	SK	105-05-	105-DF-	- 40 - 50/	-75-501	105 - SK	105-511	105-DF	105-05	105 - SK-	105- SK
à	CHA			Yes		SAMPLING SITE		10	20-	-03	40-	50	-06	70	80-	09	-10	11-	12	-13
	IN OF			No	×															
	CHAIN OF CUSTODY RECORD	PWS ID#		POPULATION SERVED	2/4	TEST NAME		lead + Corner						9						
110 S. Hill Street South Bend, IN 46617 T: 1.800.332.4345 F: 1.574.233.8207	RD	STATE (sample origin)	mo	SOURCE WATER	Mannicipal	AME		ex							No. of the Control of					
street I, IN 46617 2.4345 3.8207		PROJECT NAME	(45)	CALC	0	SAMPLE REMARKS														
Order#Batch#	Page 2	PO#		121244		CHI.ORINATED	YES NO	×						4						
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Please call, expedited service not available for all testing

REL INQUISHED BY:(Signature)

DATE

AM PM

RECEIVED BY: (Signature)

6)

REL INQUISHED BY:(Signature)

47.96

4:00

DATE

TIME

RECEIVED BY:(Signature)

DATE

TIME

LAB HESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT

TIME

LAB COMMENTS

RELINQUISHED BY (Signature)

DATE

AM PM

RECEIVED FOR LABORATORY BY

DATE

TIME

CONDITIONS UPON RECEIPT (check one):

iced: Wet/Blue

Ambient

°C Upon Receipt

NA

AM PM

DW-DRINKING WATER
RW-REAGENT WATER
GW-GROUND) WATER
EW-EXPOSURE WATER
SW-SURFACE WATER
PW-POOL WATER
WW-WASTE WATER

RV" = Rush Verbal (5 working days) RW° = Rush Written (5 working days)

75% 50% 0%

SP° = Weekend, Holiday

STAT* = Less than 48 hours

CALL

IW* =Immediate Written (3 working days) IV" = Immediate Verbat (3 working days)

125% CALL

Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.

06-LO-F0435 Issue 6.0 Effective Date: 2016-09-20

100%

AM PM

SW = Standard Written: (15 working days)

TURN-AROUND TIME (TAT) - SURCHARGES

MATRIX CODES:

Client: Burns & McDonnell Job Number: 810-119269-1

List Source: Eurofins Eaton Analytical South Bend

Login Number: 119269 List Number: 1

Creator: Moffitt, Heather

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	False	Refer to Job Narrative for details.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	