



October 20, 2023
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. 105 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 105 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 which is documented at the Goodfellow Federal Center Reading Room located at <https://www.gsa.gov/portal/content/212361>.

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. 105 was conducted on September 25 & 26, 2023 by Ashley Anstaett of Burns & McDonnell.

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.

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Drinking water sampling for the presence of lead and copper was conducted at thirty-three (33) distinct locations within Building 105. A total of thirty-six (36) 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 EcoTestr pH and temperature meter into the sample cup. After readings stabilized, Burns & McDonnell recorded the 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 µg/L	26 µg/L	15 µg/L
Copper	9.0 µg/L	190 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

One sample resulted in lead or copper concentrations over the action levels.

1. A sample taken from the island sink closest to the door in lab room 341 on the second floor of building 105 had a lead concentratoin of 26 µg/L.

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.

pH

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



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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 105 ranged from 9.80 to 10.40 indicating the drinking water is slightly alkaline.

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,

(b) (6)

Matt Shanahan, CHMM
Project Manager

Attachments:

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

APPENDIX A – RESULTS SUMMARY BY LOCATION

Appendix A
Results Summary by Location

Sample Number	Location	pH	Temp (°C)	Water Source	Analyte	Result	Units	Above / Below	AL
105-DW-01	2nd floor, south end of building, drinking fountain	10.1	17.9	L DF	Copper	42	µg/L	Below	1300
105-DW-01	2nd floor, south end of building, drinking fountain	10.1	17.9	L DF	Lead	< 0.50	µg/L	Below	15
105-DW-02	2nd floor, south end of building, drinking fountain	10.1	17.9	R DF	Copper	18	µg/L	Below	1300
105-DW-02	2nd floor, south end of building, drinking fountain	10.1	17.9	R DF	Lead	< 0.50	µg/L	Below	15
105-DW-03	Duplicate of 105-DW-02	10.1	17.9	R DF	Copper	17	µg/L	Below	1300
105-DW-03	Duplicate of 105-DW-02	10.1	17.9	R DF	Lead	< 0.50	µg/L	Below	15
105-DW-04	2nd floor, south end of building, drinking fountain	10.1	17.9	Bottle Filler	Copper	19	µg/L	Below	1300
105-DW-04	2nd floor, south end of building, drinking fountain	10.1	17.9	Bottle Filler	Lead	< 0.50	µg/L	Below	15
105-DW-05	2nd floor, room 359, southeast sink	10.3	21.0	Sink	Copper	13	µg/L	Below	1300
105-DW-05	2nd floor, room 359, southeast sink	10.3	21.0	Sink	Lead	1.2	µg/L	Below	15
105-DW-06	2nd floor, room 356, corner sink on northeast side	10.2	20.6	Sink	Copper	13	µg/L	Below	1300
105-DW-06	2nd floor, room 356, corner sink on northeast side	10.2	20.6	Sink	Lead	5.7	µg/L	Below	15
105-DW-07	2nd floor, lab break room, left sink	9.9	21.3	L Sink	Copper	37	µg/L	Below	1300
105-DW-07	2nd floor, lab break room, left sink	9.9	21.3	L sink	Lead	2.1	µg/L	Below	15
105-DW-08	2nd floor, lab break room, right sink	9.9	21.3	R Sink	Copper	36	µg/L	Below	1300
105-DW-08	2nd floor, lab break room, right sink	9.9	21.3	R Sink	Lead	1.2	µg/L	Below	15
105-DW-09	2nd floor, east hallway, left drinking fountain	10.1	19.2	L DF	Copper	110	µg/L	Below	1300
105-DW-09	2nd floor, east hallway, left drinking fountain	10.1	19.2	L DF	Lead	4.3	µg/L	Below	15
105-DW-10	2nd floor, east hallway, right drinking fountain	10.1	19.2	R DF	Copper	110	µg/L	Below	1300
105-DW-10	2nd floor, east hallway, right drinking fountain	10.1	19.2	R DF	Lead	6.3	µg/L	Below	15
105-DW-11	2nd floor, room 306, northeast sink	10.0	20.3	Sink	Copper	41	µg/L	Below	1300
105-DW-11	2nd floor, room 306, northeast sink	10.0	20.3	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-12	2nd floor, room 347, sink on wall	10.2	21.1	Sink	Copper	57	µg/L	Below	1300
105-DW-12	2nd floor, room 347, sink on wall	10.2	21.1	Sink	Lead	1.3	µg/L	Below	15
105-DW-13	2nd floor, room 347, island sink	10.2	21.1	Sink	Copper	26	µg/L	Below	1300
105-DW-13	2nd floor, room 347, island sink	10.2	21.1	Sink	Lead	2.0	µg/L	Below	15
105-DW-14	Duplicate of 105-DW-13	10.2	21.1	Sink	Copper	20	µg/L	Below	1300
105-DW-14	Duplicate of 105-DW-13	10.2	21.1	Sink	Lead	0.58	µg/L	Below	15

Appendix A
Results Summary by Location

Sample Number	Location	pH	Temp (°C)	Water Source	Analyte	Result	Units	Above / Below	AL
105-DW-15	2nd floor, room 345, south island sink	10.4	21.0	Sink	Copper	46	µg/L	Below	1300
105-DW-15	2nd floor, room 345, south island sink	10.4	21.0	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-16	2nd floor, room 311, sink on south wall	10.1	21.2	Sink	Copper	38	µg/L	Below	1300
105-DW-16	2nd floor, room 311, sink on south wall	10.1	21.2	Sink	Lead	0.58	µg/L	Below	15
105-DW-17	2nd floor, room 314, corner sink	10.1	21.0	Sink	Copper	31	µg/L	Below	1300
105-DW-17	2nd floor, room 314, corner sink	10.1	21.0	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-18	2nd floor, room 317, sink in office area	10.1	20.0	Sink	Copper	23	µg/L	Below	1300
105-DW-18	2nd floor, room 317, sink in office area	10.1	20.0	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-19	2nd floor, room 321, island sink	9.9	22.3	Sink	Copper	42	µg/L	Below	1300
105-DW-19	2nd floor, room 321, island sink	9.9	22.3	Sink	Lead	4.9	µg/L	Below	15
105-DW-20	2nd floor, room 339, sink on south wall	10.0	22.3	Sink	Copper	78	µg/L	Below	1300
105-DW-20	2nd floor, room 339, sink on south wall	10.0	22.3	Sink	Lead	3.9	µg/L	Below	15
105-DW-21	1st floor, south entrance, left drinking fountain	10.2	22.1	L DF	Copper	56	µg/L	Below	1300
105-DW-21	1st floor, south entrance, left drinking fountain	10.2	22.1	L DF	Lead	0.92	µg/L	Below	15
105-DW-22	1st floor, south entrance, right drinking fountain	10.2	22.1	R DF	Copper	42	µg/L	Below	1300
105-DW-22	1st floor, south entrance, right drinking fountain	10.2	22.1	R DF	Lead	0.72	µg/L	Below	15
105-DW-23	1st floor, south entrance, bottle filler	10.2	22.1	Bottle Filler	Copper	9.0	µg/L	Below	1300
105-DW-23	1st floor, south entrance, bottle filler	10.2	22.1	Bottle Filler	Lead	< 0.50	µg/L	Below	15
105-DW-24	1st floor, lab processing, far southeast sink	10.3	19.8	Sink	Copper	60	µg/L	Below	1300
105-DW-24	1st floor, lab processing, far southeast sink	10.3	19.8	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-25	1st floor, lab processing, center sink sprayer	10.1	20.1	Sink	Copper	85	µg/L	Below	1300
105-DW-25	1st floor, lab processing, center sink sprayer	10.1	20.1	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-26	1st floor, lab processing, northmost sink on east wall	10.2	19.8	Sink	Copper	48	µg/L	Below	1300
105-DW-26	1st floor, lab processing, northmost sink on east wall	10.2	19.8	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-27	1st floor, right sink on north wall of cooler	9.8	19.9	Sink	Copper	50	µg/L	Below	1300
105-DW-27	1st floor, right sink on north wall of cooler	9.8	19.9	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-28	1st floor, left sink on north wall of cooler	9.8	19.9	Sink	Copper	62	µg/L	Below	1300
105-DW-28	1st floor, left sink on north wall of cooler	9.8	19.9	Sink	Lead	< 0.50	µg/L	Below	15

Appendix A
Results Summary by Location

Sample Number	Location	pH	Temp (°C)	Water Source	Analyte	Result	Units	Above / Below	AL
105-DW-29	Duplicate of 105-DW-28	9.8	19.9	Sink	Copper	62	µg/L	Below	1300
105-DW-29	Duplicate of 105-DW-28	9.8	19.9	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-30	2nd floor, room 337, sink closest to door	10.0	21.5	Sink	Copper	14	µg/L	Below	1300
105-DW-30	2nd floor, room 337, sink closest to door	10.0	21.5	Sink	Lead	0.63	µg/L	Below	15
105-DW-31	2nd floor, room 315, sink closest to north door	10.1	21.1	Sink	Copper	190	µg/L	Below	1300
105-DW-31	2nd floor, room 315, sink closest to north door	10.1	21.1	Sink	Lead	6.8	µg/L	Below	15
105-DW-32	2nd floor, room 315, stand alone sink	9.9	21.5	Sink	Copper	60	µg/L	Below	1300
105-DW-32	2nd floor, room 315, stand alone sink	9.9	21.5	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-33	2nd floor, room 312, sink by eye wash station	10.0	20.7	Sink	Copper	41	µg/L	Below	1300
105-DW-33	2nd floor, room 312, sink by eye wash station	10.0	20.7	Sink	Lead	1.4	µg/L	Below	15
105-DW-34	2nd floor, room 358, sink	10.1	20.6	Sink	Copper	40	µg/L	Below	1300
105-DW-34	2nd floor, room 358, sink	10.1	20.6	Sink	Lead	3.0	µg/L	Below	15
105-DW-35	2nd floor, room 340, sink	10.0	22.4	Sink	Copper	50	µg/L	Below	1300
105-DW-35	2nd floor, room 340, sink	10.0	22.4	Sink	Lead	5.9	µg/L	Below	15
105-DW-36	2nd floor, room 341, island sink closest to door	9.8	22.0	Sink	Copper	52	µg/L	Below	1300
105-DW-36	2nd floor, room 341, island sink closest to door	9.8	22.0	Sink	Lead	26	µg/L	Above	15

Notes:

Sample exceeds Action Level

DF - Drinking Fountain

D - Duplicate

L/R - Left or Right

AL - Action Level

µg/L - micrograms per liter

APPENDIX B – WATER SAMPLE LABORATORY REPORT

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

PbCu - GFC

JOB NUMBER

810-79692-1

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

(b) (6)

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Authorized for release by
Amanda Scott, Project Manager
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(574)233-4777



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Definitions/Glossary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79692-1

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
%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

Case Narrative

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79692-1

Job ID: 810-79692-1

Laboratory: Eurofins Eaton Analytical South Bend

Narrative

**Job Narrative
810-79692-1**

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 10/2/2023 2:15 PM. 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.



Client Sample Results

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79692-1

Client Sample ID: 105-DW-01

Lab Sample ID: 810-79692-1

Date Collected: 09/25/23 04:24

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 14:57	1
Copper	42		1.0	ug/L			10/09/23 14:57	1

Client Sample ID: 105-DW-02

Lab Sample ID: 810-79692-2

Date Collected: 09/25/23 04:27

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 14:59	1
Copper	18		1.0	ug/L			10/09/23 14:59	1

Client Sample ID: 105-DW-03

Lab Sample ID: 810-79692-3

Date Collected: 09/25/23 04:27

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 15:05	1
Copper	17		1.0	ug/L			10/09/23 15:05	1

Client Sample ID: 105-DW-04

Lab Sample ID: 810-79692-4

Date Collected: 09/25/23 04:31

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 15:07	1
Copper	19		1.0	ug/L			10/09/23 15:07	1

Client Sample ID: 105-DW-05

Lab Sample ID: 810-79692-5

Date Collected: 09/25/23 04:35

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.50	ug/L			10/09/23 15:09	1
Copper	13		1.0	ug/L			10/09/23 15:09	1

Client Sample ID: 105-DW-06

Lab Sample ID: 810-79692-6

Date Collected: 09/25/23 04:40

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.7		0.50	ug/L			10/09/23 15:11	1
Copper	13		1.0	ug/L			10/09/23 15:11	1

Client Sample Results

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79692-1

Client Sample ID: 105-DW-07

Lab Sample ID: 810-79692-7

Date Collected: 09/25/23 04:44

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.1		0.50	ug/L			10/09/23 15:13	1
Copper	37		1.0	ug/L			10/09/23 15:13	1

Client Sample ID: 105-DW-08

Lab Sample ID: 810-79692-8

Date Collected: 09/25/23 04:45

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.50	ug/L			10/09/23 15:15	1
Copper	36		1.0	ug/L			10/09/23 15:15	1

Client Sample ID: 105-DW-09

Lab Sample ID: 810-79692-9

Date Collected: 09/25/23 04:48

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.3		0.50	ug/L			10/09/23 15:21	1
Copper	110		1.0	ug/L			10/09/23 15:21	1

Client Sample ID: 105-DW-10

Lab Sample ID: 810-79692-10

Date Collected: 09/25/23 04:50

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.3		0.50	ug/L			10/09/23 15:23	1
Copper	110		1.0	ug/L			10/09/23 15:23	1

Client Sample ID: 105-DW-11

Lab Sample ID: 810-79692-11

Date Collected: 09/25/23 05:00

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 15:25	1
Copper	41		1.0	ug/L			10/09/23 15:25	1

Client Sample ID: 105-DW-12

Lab Sample ID: 810-79692-12

Date Collected: 09/25/23 05:05

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.3		0.50	ug/L			10/09/23 15:27	1
Copper	57		1.0	ug/L			10/09/23 15:27	1

Client Sample Results

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79692-1

Client Sample ID: 105-DW-13

Lab Sample ID: 810-79692-13

Date Collected: 09/25/23 05:08

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.0		0.50	ug/L			10/09/23 15:37	1
Copper	26		1.0	ug/L			10/09/23 15:37	1

Client Sample ID: 105-DW-14

Lab Sample ID: 810-79692-14

Date Collected: 09/25/23 05:08

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.58		0.50	ug/L			10/09/23 15:39	1
Copper	20		1.0	ug/L			10/09/23 15:39	1

Lab Chronicle

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79692-1

Client Sample ID: 105-DW-01

Date Collected: 09/25/23 04:24

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79692-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 14:57

Client Sample ID: 105-DW-02

Date Collected: 09/25/23 04:27

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79692-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 14:59

Client Sample ID: 105-DW-03

Date Collected: 09/25/23 04:27

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79692-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:05

Client Sample ID: 105-DW-04

Date Collected: 09/25/23 04:31

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79692-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:07

Client Sample ID: 105-DW-05

Date Collected: 09/25/23 04:35

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79692-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:09

Client Sample ID: 105-DW-06

Date Collected: 09/25/23 04:40

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79692-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:11

Client Sample ID: 105-DW-07

Date Collected: 09/25/23 04:44

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79692-7

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:13

Lab Chronicle

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79692-1

Client Sample ID: 105-DW-08

Lab Sample ID: 810-79692-8

Date Collected: 09/25/23 04:45

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:15

Client Sample ID: 105-DW-09

Lab Sample ID: 810-79692-9

Date Collected: 09/25/23 04:48

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:21

Client Sample ID: 105-DW-10

Lab Sample ID: 810-79692-10

Date Collected: 09/25/23 04:50

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:23

Client Sample ID: 105-DW-11

Lab Sample ID: 810-79692-11

Date Collected: 09/25/23 05:00

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:25

Client Sample ID: 105-DW-12

Lab Sample ID: 810-79692-12

Date Collected: 09/25/23 05:05

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:27

Client Sample ID: 105-DW-13

Lab Sample ID: 810-79692-13

Date Collected: 09/25/23 05:08

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:37

Client Sample ID: 105-DW-14

Lab Sample ID: 810-79692-14

Date Collected: 09/25/23 05:08

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:39

Laboratory References:

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

Eurofins Eaton Analytical South Bend

Accreditation/Certification Summary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79692-1

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	09-30-24

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Method Summary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79692-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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



Sample Summary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79692-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-79692-1	105-DW-01	Drinking Water	09/25/23 04:24	10/02/23 14:15
810-79692-2	105-DW-02	Drinking Water	09/25/23 04:27	10/02/23 14:15
810-79692-3	105-DW-03	Drinking Water	09/25/23 04:27	10/02/23 14:15
810-79692-4	105-DW-04	Drinking Water	09/25/23 04:31	10/02/23 14:15
810-79692-5	105-DW-05	Drinking Water	09/25/23 04:35	10/02/23 14:15
810-79692-6	105-DW-06	Drinking Water	09/25/23 04:40	10/02/23 14:15
810-79692-7	105-DW-07	Drinking Water	09/25/23 04:44	10/02/23 14:15
810-79692-8	105-DW-08	Drinking Water	09/25/23 04:45	10/02/23 14:15
810-79692-9	105-DW-09	Drinking Water	09/25/23 04:48	10/02/23 14:15
810-79692-10	105-DW-10	Drinking Water	09/25/23 04:50	10/02/23 14:15
810-79692-11	105-DW-11	Drinking Water	09/25/23 05:00	10/02/23 14:15
810-79692-12	105-DW-12	Drinking Water	09/25/23 05:05	10/02/23 14:15
810-79692-13	105-DW-13	Drinking Water	09/25/23 05:08	10/02/23 14:15
810-79692-14	105-DW-14	Drinking Water	09/25/23 05:08	10/02/23 14:15





Eaton Analytical



810-79692 Chain of Custody

110 S. Hill Street
South Bend, IN 46617
T: 1.800.332.4345
F: 1.574.233.8207

Order # 433311
Batch #

www.EurofinsUS.com/Eaton

CHAIN OF CUSTODY RECORD

Page 1 of 1

REPORT TO: **Shaded area for EEA use only**

ASHLEY ANSTAEIT - alanstaeit@burnsmcd.com
9400 Ward Parkway
Kansas City, MO 64114

BILL TO: Same

LAB NUMBER	COLLECTION		SAMPLER (Signature)	COMPLIANCE MONITORING	SAMPLING SITE	TEST NAME	STATE (sample origin)	PROJECT NAME	PO#	OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
	DATE	TIME										
1	9/25/23	0424			Lead & Copper	MO	GFC	121244		1	DW SW	
2		0427										
3		0427										
4		0431										
5		0435										
6		0440										
7		0444										
8		0445										
9		0448										
10		0450										
11		0500										
12		0505										
13		0508										
14		0508										

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

RELINQUISHED BY: (Signature) [Redacted] DATE 09/28 TIME 0000 AM/PM RECEIVED BY: (Signature) [Redacted] DATE 10/23 TIME 1415 AM/PM

RELINQUISHED BY: (Signature) [Redacted] DATE DATE TIME TIME AM/PM AM/PM

RELINQUISHED BY: (Signature) DATE DATE TIME TIME AM/PM AM/PM

LAB COMMENTS: 105-DW-05 Sample Time 15 0135
105-DW-06 is 0440 the following samples time follow after 01218 gm 16/02/23

CONDITIONS UPON RECEIPT (check one):
Lead: Wet/Blue Ambient °C Upon Receipt N/A

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

TURN-AROUND TIME (TAT) - SURCHARGES
SW = Standard Written: (15 working days) 0%
RV = Rush Verbal: (5 working days) 50%
RW* = Rush Written: (5 working days) 75%
* Please call, expedited service not available for all testing

IV* = Immediate Verbal: (3 working days) 100%
IW* = Immediate Written: (3 working days) 125%
SP* = Weekend, Holiday CALL
STAT* = Less than 48 hours 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



Login Sample Receipt Checklist

Client: Burns & McDonnell

Job Number: 810-79692-1

Login Number: 79692

List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Moore, Gary

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	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	False	Thermal preservation not required.
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	

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/10/2023 11:08:21 PM

JOB DESCRIPTION

PbCu - GFC

JOB NUMBER

810-79697-1

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

(b) (6)

Generated
10/10/2023 11:08:21 PM

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



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Definitions/Glossary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79697-1

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
%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

Case Narrative

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79697-1

Job ID: 810-79697-1

Laboratory: Eurofins Eaton Analytical South Bend

Narrative

Job Narrative 810-79697-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 10/2/2023 2:15 PM. 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.



Client Sample Results

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79697-1

Client Sample ID: 105-DW-15

Lab Sample ID: 810-79697-1

Date Collected: 09/25/23 05:13

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 15:41	1
Copper	46		1.0	ug/L			10/09/23 15:41	1

Client Sample ID: 105-DW-16

Lab Sample ID: 810-79697-2

Date Collected: 09/25/23 05:20

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.58		0.50	ug/L			10/09/23 15:43	1
Copper	38		1.0	ug/L			10/09/23 15:43	1

Client Sample ID: 105-DW-17

Lab Sample ID: 810-79697-3

Date Collected: 09/25/23 05:22

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 15:45	1
Copper	31		1.0	ug/L			10/09/23 15:45	1

Client Sample ID: 105-DW-18

Lab Sample ID: 810-79697-4

Date Collected: 09/25/23 05:27

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 15:47	1
Copper	23		1.0	ug/L			10/09/23 15:47	1

Client Sample ID: 105-DW-19

Lab Sample ID: 810-79697-5

Date Collected: 09/25/23 05:31

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.9		0.50	ug/L			10/09/23 15:49	1
Copper	42		1.0	ug/L			10/09/23 15:49	1

Client Sample ID: 105-DW-20

Lab Sample ID: 810-79697-6

Date Collected: 09/25/23 05:35

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.9		0.50	ug/L			10/09/23 15:55	1
Copper	78		1.0	ug/L			10/09/23 15:55	1

Client Sample Results

Client: Burns & McDonnell
 Project/Site: PbCu - GFC

Job ID: 810-79697-1

Client Sample ID: 105-DW-21

Lab Sample ID: 810-79697-7

Date Collected: 09/26/23 04:25

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.92		0.50	ug/L			10/09/23 15:57	1
Copper	56		1.0	ug/L			10/09/23 15:57	1

Client Sample ID: 105-DW-22

Lab Sample ID: 810-79697-8

Date Collected: 09/26/23 04:29

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.72		0.50	ug/L			10/09/23 15:59	1
Copper	42		1.0	ug/L			10/09/23 15:59	1

Client Sample ID: 105-DW-23

Lab Sample ID: 810-79697-9

Date Collected: 09/26/23 04:31

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 16:05	1
Copper	9.0		1.0	ug/L			10/09/23 16:05	1

Client Sample ID: 105-DW-24

Lab Sample ID: 810-79697-10

Date Collected: 09/26/23 04:34

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 16:07	1
Copper	60		1.0	ug/L			10/09/23 16:07	1

Client Sample ID: 105-DW-25

Lab Sample ID: 810-79697-11

Date Collected: 09/26/23 04:37

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 16:09	1
Copper	85		1.0	ug/L			10/09/23 16:09	1

Client Sample ID: 105-DW-26

Lab Sample ID: 810-79697-12

Date Collected: 09/26/23 04:38

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 16:11	1
Copper	48		1.0	ug/L			10/09/23 16:11	1

Client Sample Results

Client: Burns & McDonnell
 Project/Site: PbCu - GFC

Job ID: 810-79697-1

Client Sample ID: 105-DW-27

Lab Sample ID: 810-79697-13

Date Collected: 09/26/23 04:40

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/09/23 16:13	1
Copper	50		1.0	ug/L			10/09/23 16:13	1

Client Sample ID: 105-DW-28

Lab Sample ID: 810-79697-14

Date Collected: 09/26/23 04:40

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/10/23 10:13	1
Copper	62		1.0	ug/L			10/10/23 10:13	1



Lab Chronicle

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79697-1

Client Sample ID: 105-DW-15

Date Collected: 09/25/23 05:13

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79697-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:41

Client Sample ID: 105-DW-16

Date Collected: 09/25/23 05:20

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79697-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:43

Client Sample ID: 105-DW-17

Date Collected: 09/25/23 05:22

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79697-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:45

Client Sample ID: 105-DW-18

Date Collected: 09/25/23 05:27

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79697-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:47

Client Sample ID: 105-DW-19

Date Collected: 09/25/23 05:31

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79697-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:49

Client Sample ID: 105-DW-20

Date Collected: 09/25/23 05:35

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79697-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:55

Client Sample ID: 105-DW-21

Date Collected: 09/26/23 04:25

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79697-7

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:57

Lab Chronicle

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79697-1

Client Sample ID: 105-DW-22

Lab Sample ID: 810-79697-8

Date Collected: 09/26/23 04:29

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 15:59

Client Sample ID: 105-DW-23

Lab Sample ID: 810-79697-9

Date Collected: 09/26/23 04:31

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 16:05

Client Sample ID: 105-DW-24

Lab Sample ID: 810-79697-10

Date Collected: 09/26/23 04:34

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 16:07

Client Sample ID: 105-DW-25

Lab Sample ID: 810-79697-11

Date Collected: 09/26/23 04:37

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 16:09

Client Sample ID: 105-DW-26

Lab Sample ID: 810-79697-12

Date Collected: 09/26/23 04:38

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 16:11

Client Sample ID: 105-DW-27

Lab Sample ID: 810-79697-13

Date Collected: 09/26/23 04:40

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76223	CA	EA SB	10/09/23 16:13

Client Sample ID: 105-DW-28

Lab Sample ID: 810-79697-14

Date Collected: 09/26/23 04:40

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76331	CA	EA SB	10/10/23 10:13

Laboratory References:

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

Eurofins Eaton Analytical South Bend

Accreditation/Certification Summary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79697-1

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	09-30-24

- 1
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Method Summary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79697-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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



Sample Summary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79697-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-79697-1	105-DW-15	Drinking Water	09/25/23 05:13	10/02/23 14:15
810-79697-2	105-DW-16	Drinking Water	09/25/23 05:20	10/02/23 14:15
810-79697-3	105-DW-17	Drinking Water	09/25/23 05:22	10/02/23 14:15
810-79697-4	105-DW-18	Drinking Water	09/25/23 05:27	10/02/23 14:15
810-79697-5	105-DW-19	Drinking Water	09/25/23 05:31	10/02/23 14:15
810-79697-6	105-DW-20	Drinking Water	09/25/23 05:35	10/02/23 14:15
810-79697-7	105-DW-21	Drinking Water	09/26/23 04:25	10/02/23 14:15
810-79697-8	105-DW-22	Drinking Water	09/26/23 04:29	10/02/23 14:15
810-79697-9	105-DW-23	Drinking Water	09/26/23 04:31	10/02/23 14:15
810-79697-10	105-DW-24	Drinking Water	09/26/23 04:34	10/02/23 14:15
810-79697-11	105-DW-25	Drinking Water	09/26/23 04:37	10/02/23 14:15
810-79697-12	105-DW-26	Drinking Water	09/26/23 04:38	10/02/23 14:15
810-79697-13	105-DW-27	Drinking Water	09/26/23 04:40	10/02/23 14:15
810-79697-14	105-DW-28	Drinking Water	09/26/23 04:40	10/02/23 14:15





Eaton Analytical



110 S. Hill Street
 South Bend, IN 46617
 T: 1.800.332.4345
 F: 1.574.233.8207

Order # 433311
 Batch # _____

www.EurofinsUS.com/Eaton

Shaded area for EEA use only

Chain of Custody Inbound

Page 1 of 1

REPORT TO: Ashley Anstaett - alanstaett@burnsmcd.com 9400 Ward Parkway Kansas City, MO 64114		SAMPLER (Signature) 		PWS ID #		STATE (sample origin) MO		PROJECT NAME GFC		PO# 121244		# OF CONTAINERS 1		MATRIX CODE	
BILL TO:		COMPLIANCE MONITORING		Yes		No		POPULATION SERVED NA		SOURCE WATER Municipal		CHLORINATED YES NO		TURNAROUND TIME	
Same		SAMPLING SITE		X				TEST NAME Lead + Copper		SAMPLE REMARKS					
LAB Number	COLLECTION			DATE	TIME	RECEIVED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	DATE	TIME	LAB COMMENTS	LAB COMMENTS	LAB COMMENTS	LAB COMMENTS
	DATE	TIME	AM												
1	9/25/23	0513					9/25/23	1415							
2		0520													
3		0522													
4		0527													
5		0531													
6		0535													
7	9/26/23	0425													
8		0429													
9		0431													
10		0434													
11		0437													
12		0438													
13		0440													
14		0440													

PH acceptable

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

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

CONDITIONS UPON RECEIPT (check one):
 _____ °C Upon Receipt _____ N/A

IV* = Immediate Verbal: (3 working days) 100%
 IW* = Immediate Written: (3 working days) 125%
 SP* = Weekend, Holiday CALL
 STAT* = Less than 48 hours CALL

SW = Standard Written: (15 working days) 0%
 RV* = Rush Verbal: (5 working days) 50%
 RW* = Rush Written: (5 working days) 75%

* Please call, expedited service not available for all testing

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

Sample analysis will be provided according to the standard EEA/Water Services Terms, which are available upon request. Any other terms proposed by Customer are deemed material alterations and are rejected unless expressly agreed to in writing by EEA.



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Handwritten notes, possibly bleed-through from the reverse side of the page. The text is faint and difficult to decipher but appears to contain several lines of text.

Login Sample Receipt Checklist

Client: Burns & McDonnell

Job Number: 810-79697-1

Login Number: 79697

List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Moore, Gary

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	No ice per client request.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	False	Thermal preservation not required.
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	



ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/10/2023 11:08:23 PM

JOB DESCRIPTION

PbCu - GFC

JOB NUMBER

810-79698-1

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

(b) (6)

Generated
10/10/2023 11:08:23 PM

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



Table of Contents

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Definitions/Glossary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79698-1

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
%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

Case Narrative

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79698-1

Job ID: 810-79698-1

Laboratory: Eurofins Eaton Analytical South Bend

Narrative

Job Narrative 810-79698-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 10/2/2023 2:15 PM. 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.



Client Sample Results

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79698-1

Client Sample ID: 105-DW-29

Lab Sample ID: 810-79698-1

Date Collected: 09/26/23 04:40

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/10/23 10:15	1
Copper	62		1.0	ug/L			10/10/23 10:15	1

Client Sample ID: 105-DW-30

Lab Sample ID: 810-79698-2

Date Collected: 09/26/23 04:55

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.63		0.50	ug/L			10/10/23 10:21	1
Copper	14		1.0	ug/L			10/10/23 10:21	1

Client Sample ID: 105-DW-31

Lab Sample ID: 810-79698-3

Date Collected: 09/26/23 05:03

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.8		0.50	ug/L			10/10/23 10:23	1
Copper	190		1.0	ug/L			10/10/23 10:23	1

Client Sample ID: 105-DW-32

Lab Sample ID: 810-79698-4

Date Collected: 09/26/23 05:04

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			10/10/23 10:25	1
Copper	60		1.0	ug/L			10/10/23 10:25	1

Client Sample ID: 105-DW-33

Lab Sample ID: 810-79698-5

Date Collected: 09/26/23 05:08

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.4		0.50	ug/L			10/10/23 10:27	1
Copper	41		1.0	ug/L			10/10/23 10:27	1

Client Sample ID: 105-DW-34

Lab Sample ID: 810-79698-6

Date Collected: 09/26/23 05:16

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.0		0.50	ug/L			10/10/23 10:29	1
Copper	40		1.0	ug/L			10/10/23 10:29	1

Client Sample Results

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79698-1

Client Sample ID: 105-DW-35

Lab Sample ID: 810-79698-7

Date Collected: 09/26/23 05:23

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.9		0.50	ug/L			10/10/23 10:31	1
Copper	50		1.0	ug/L			10/10/23 10:31	1

Client Sample ID: 105-DW-36

Lab Sample ID: 810-79698-8

Date Collected: 09/26/23 05:25

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26		0.50	ug/L			10/10/23 10:33	1
Copper	52		1.0	ug/L			10/10/23 10:33	1

Lab Chronicle

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79698-1

Client Sample ID: 105-DW-29

Date Collected: 09/26/23 04:40

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79698-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76331	CA	EA SB	10/10/23 10:15

Client Sample ID: 105-DW-30

Date Collected: 09/26/23 04:55

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79698-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76331	CA	EA SB	10/10/23 10:21

Client Sample ID: 105-DW-31

Date Collected: 09/26/23 05:03

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79698-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76331	CA	EA SB	10/10/23 10:23

Client Sample ID: 105-DW-32

Date Collected: 09/26/23 05:04

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79698-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76331	CA	EA SB	10/10/23 10:25

Client Sample ID: 105-DW-33

Date Collected: 09/26/23 05:08

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79698-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76331	CA	EA SB	10/10/23 10:27

Client Sample ID: 105-DW-34

Date Collected: 09/26/23 05:16

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79698-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76331	CA	EA SB	10/10/23 10:29

Client Sample ID: 105-DW-35

Date Collected: 09/26/23 05:23

Date Received: 10/02/23 14:15

Lab Sample ID: 810-79698-7

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76331	CA	EA SB	10/10/23 10:31

Lab Chronicle

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79698-1

Client Sample ID: 105-DW-36

Lab Sample ID: 810-79698-8

Date Collected: 09/26/23 05:25

Matrix: Drinking Water

Date Received: 10/02/23 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	76331	CA	EA SB	10/10/23 10:33

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: PbCu - GFC

Job ID: 810-79698-1

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	09-30-24

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Method Summary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79698-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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



Sample Summary

Client: Burns & McDonnell
Project/Site: PbCu - GFC

Job ID: 810-79698-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-79698-1	105-DW-29	Drinking Water	09/26/23 04:40	10/02/23 14:15
810-79698-2	105-DW-30	Drinking Water	09/26/23 04:55	10/02/23 14:15
810-79698-3	105-DW-31	Drinking Water	09/26/23 05:03	10/02/23 14:15
810-79698-4	105-DW-32	Drinking Water	09/26/23 05:04	10/02/23 14:15
810-79698-5	105-DW-33	Drinking Water	09/26/23 05:08	10/02/23 14:15
810-79698-6	105-DW-34	Drinking Water	09/26/23 05:16	10/02/23 14:15
810-79698-7	105-DW-35	Drinking Water	09/26/23 05:23	10/02/23 14:15
810-79698-8	105-DW-36	Drinking Water	09/26/23 05:25	10/02/23 14:15





Eaton Analytical



810-79698 Chain of Custody

110 S. Hill Street
South Bend, IN 46617
T: 1.800.332.4345
F: 1.574.233.8207

Order # 433311
Batch #

CHAIN OF CUSTODY RECORD

REPORT TO: **Shaded area for EEA use only**

WWW.EurofinsUS.com/Eaton

Ashley Anstaett - anstaett@burnsmcd.com
9400 Ward Parkway
Kansas City, MO 64114

BILL TO:

STATE (sample origin) MO
PROJECT NAME GFC
PO# 121244

PWS ID #
POPULATION SERVED NA
Municipal

COMPLIANCE MONITORING Yes No X

SAMPLER (Signature) [Redacted]

TEST NAME Lead + Copper

CHLORINATED YES NO X

OF CONTAINERS 1

MATRIX CODE DW SW

TURNAROUND TIME

LAB Number	COLLECTION		SAMPLING SITE	TEST NAME	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME	RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	LAB COMMENTS
	DATE	TIME												
1	9/22/23	0440	X	105-DW-29	10/21/25	1415	[Redacted]	10/21/25	0800	[Redacted]	10/21/25	1415		
2		0455		105-DW-30										
3		0503		105-DW-31										
4		0504		105-DW-32										
5		0508		105-DW-33										
6		0516		105-DW-34										
7		0523		105-DW-35										
8		0525		105-DW-36										

LAB COMMENTS: pH Acceptable

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

CONDITIONS UPON RECEIPT (check one):
 loc: Wet/Blue ___ Ambient ___ °C Upon Receipt ___ N/A

TURN-AROUND TIME (TAT) - SURCHARGES:
 SW = Standard Written: (15 working days) 0%
 RW = Rush Written: (5 working days) 50%
 RW* = Rush Written: (5 working days) 75%

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

IV* = Immediate Verbal (3 working days) 100%
 IW* = Immediate Written (3 working days) 125%
 SP* = Weekend, Holiday CALL
 STAT* = Less than 48 hours CALL

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

Sample analysis will be provided according to the standard EEA/Water Services Terms, which are available upon request. Any other terms proposed by Customer are deemed material alterations and are rejected unless expressly agreed to in writing by EEA.

* Please call, expedited service not available for all testing

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

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Login Sample Receipt Checklist

Client: Burns & McDonnell

Job Number: 810-79698-1

Login Number: 79698

List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Moore, Gary

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	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	False	Thermal preservation not required.
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	