



April 09, 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. 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.

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 March 11-12, 2024 by Ashley Anstaett & Tasnima Uddin 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.

Drinking water sampling for the presence of lead and copper was conducted at thirty-five (35) distinct locations within Building 105. A total of thirty-nine (39) 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,

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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	140.00 µg/L	15 µg/L
Copper	10 µg/L	290 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

5 samples resulted in levels over the action levels of 15 µg/L for lead.

1. A sample taken from the southwest sink in the lab break room on the second floor of building 105 had a lead concentration of 54 µg/L.
2. A sample taken from the sink on the east wall in lab room 324 on the second floor of building 105 had a lead concentration of 140 µg/L.
3. A duplicate sample taken from a sink on the east wall in lab room 324 on the second floor of building 105 had a lead concentration of 57 µg/L.
4. A sample taken from the island sink in lab room 329 on the second floor of building 105 had a lead concentration of 29 µg/L.
5. A sample taken from the sink in lab room 336 on the second floor of building 105 had a lead concentration of 70 µg/L.

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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 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 9.90 to 10.60 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:



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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	10.3	17.7	L DF	Copper	54	µg/L	Below	1300
105-DW-01	2nd floor, south end of building	10.3	17.7	L DF	Lead	< 0.50	µg/L	Below	15
105-DW-02	2nd floor, south end of building	10.3	17.7	R DF	Copper	18	µg/L	Below	1300
105-DW-02	2nd floor, south end of building	10.3	17.7	R DF	Lead	< 0.50	µg/L	Below	15
105-DW-03	Duplicate of 105-DW-02	10.3	17.7	R DF D	Copper	19	µg/L	Below	1300
105-DW-03	Duplicate of 105-DW-02	10.3	17.7	R DF D	Lead	< 0.50	µg/L	Below	15
105-DW-04	2nd floor, south end of building	10.3	17.7	BF	Copper	15	µg/L	Below	1300
105-DW-04	2nd floor, south end of building	10.3	17.7	BF	Lead	< 0.50	µg/L	Below	15
105-DW-05	2nd floor, lab room 346, SW corner sink	10.3	19.4	Sink	Copper	59	µg/L	Below	1300
105-DW-05	2nd floor, lab room 346, SW corner sink	10.3	19.4	Sink	Lead	2.2	µg/L	Below	15
105-DW-06	2nd floor, lab room 359, sink on W wall	10.3	20.4	Sink	Copper	85	µg/L	Below	1300
105-DW-06	2nd floor, lab room 359, sink on W wall	10.3	20.4	Sink	Lead	3.5	µg/L	Below	15
105-DW-07	2nd floor, lab room 306, NW island sink	10.2	21.8	Sink	Copper	33	µg/L	Below	1300
105-DW-07	2nd floor, lab room 306, NW island sink	10.2	21.8	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-08	2nd floor, lab room 347, sink on E wall	10.2	22.1	Sink	Copper	53	µg/L	Below	1300
105-DW-08	2nd floor, lab room 347, sink on E wall	10.2	22.1	Sink	Lead	7.5	µg/L	Below	15
105-DW-09	2nd floor, lab room 348, sink on W wall	10.3	22.1	Sink	Copper	11	µg/L	Below	1300
105-DW-09	2nd floor, lab room 348, sink on W wall	10.3	22.1	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-10	2nd floor, lab room 311, sink on N wall	10.1	22.2	Sink	Copper	39	µg/L	Below	1300
105-DW-10	2nd floor, lab room 311, sink on N wall	10.1	22.2	Sink	Lead	0.50	µg/L	Below	15
105-DW-11	2nd floor, lab room 312, sink on S wall	10.1	23.0	Sink	Copper	42	µg/L	Below	1300
105-DW-11	2nd floor, lab room 312, sink on S wall	10.1	23.0	Sink	Lead	1.4	µg/L	Below	15
105-DW-12	2nd floor, lab room 315, sink on N wall	10.2	24.1	Sink	Copper	130	µg/L	Below	1300
105-DW-12	2nd floor, lab room 315, sink on N wall	10.2	24.1	Sink	Lead	3.9	µg/L	Below	15
105-DW-13	2nd floor, lab office room 317, sink	10.1	24.5	Sink	Copper	23	µg/L	Below	1300
105-DW-13	2nd floor, lab office room 317, sink	10.1	24.5	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-14	2nd floor, E hallway, DF	10.2	18.0	L DF	Copper	55	µg/L	Below	1300
105-DW-14	2nd floor, E hallway, DF	10.2	18.0	L DF	Lead	1.6	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, E hallway, DF	10.2	18.0	R DF	Copper	290	µg/L	Below	1300
105-DW-15	2nd floor, E hallway, DF	10.2	18.0	R DF	Lead	10	µg/L	Below	15
105-DW-16	2nd floor, lab break room, SW sink	10.3	21.5	Sink	Copper	200	µg/L	Below	1300
105-DW-16	2nd floor, lab break room, SW sink	10.3	21.5	Sink	Lead	54	µg/L	Above	15
105-DW-17	2nd floor, lab break room, NW sink	10.2	22.9	Sink	Copper	33	µg/L	Below	1300
105-DW-17	2nd floor, lab break room, NW sink	10.2	22.9	Sink	Lead	1.3	µg/L	Below	15
105-DW-18	2nd floor, lab room 324, S sink	10.0	22.8	Sink	Copper	43	µg/L	Below	1300
105-DW-18	2nd floor, lab room 324, S sink	10.0	22.8	Sink	Lead	5.6	µg/L	Below	15
105-DW-19	2nd floor, lab room 324, sink adjacent to 323A	10.0	23.0	Sink	Copper	59	µg/L	Below	1300
105-DW-19	2nd floor, lab room 324, sink adjacent to 323A	10.0	23.0	Sink	Lead	140	µg/L	Above	15
105-DW-20	Duplicate of 105-DW-19	10.0	23.0	Sink D	Copper	54	µg/L	Below	1300
105-DW-20	Duplicate of 105-DW-19	10.0	23.0	Sink D	Lead	57	µg/L	Above	15
105-DW-21	2nd floor, lab room 329, island sink	9.9	22.4	Sink	Copper	78	µg/L	Below	1300
105-DW-21	2nd floor, lab room 329, island sink	9.9	22.4	Sink	Lead	29	µg/L	Above	15
105-DW-22	2nd floor, lab room 340, sink on S wall	10.0	22.8	Sink	Copper	42	µg/L	Below	1300
105-DW-22	2nd floor, lab room 340, sink on S wall	10.0	22.8	Sink	Lead	7.6	µg/L	Below	15
105-DW-23	1st floor, S lobby DF	10.0	16.1	L DF	Copper	64	µg/L	Below	1300
105-DW-23	1st floor, S lobby DF	10.0	16.1	L DF	Lead	0.90	µg/L	Below	15
105-DW-24	1st floor, S lobby DF	10.0	16.1	BF	Copper	10	µg/L	Below	1300
105-DW-24	1st floor, S lobby DF	10.0	16.1	BF	Lead	< 0.50	µg/L	Below	15
105-DW-25	Duplicate of 105-DW-24	10.0	16.1	BF D	Copper	10	µg/L	Below	1300
105-DW-25	Duplicate of 105-DW-24	10.0	16.1	BF D	Lead	< 0.50	µg/L	Below	15
105-DW-26	1st floor, S lobby DF	10.0	16.1	R DF	Copper	29	µg/L	Below	1300
105-DW-26	1st floor, S lobby DF	10.0	16.1	R DF	Lead	0.67	µg/L	Below	15
105-DW-27	1st floor, lab processing, W sink on N wall	10.3	18.9	Sink	Copper	54	µg/L	Below	1300
105-DW-27	1st floor, lab processing, W sink on N wall	10.3	18.9	Sink	Lead	1.2	µg/L	Below	15
105-DW-28	1st floor, lab processing, E sink on N wall	10.3	19.2	Sink	Copper	50	µg/L	Below	1300
105-DW-28	1st floor, lab processing, E sink on N wall	10.3	19.2	Sink	Lead	0.83	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	1st floor, lab processing, 2nd N most sink	10.1	19.1	Sink	Copper	47	µg/L	Below	1300
105-DW-29	1st floor, lab processing, 2nd N most sink	10.1	19.1	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-30	1st floor, lab processing, 3rd N most sink	10.4	19.4	Sink	Copper	19	µg/L	Below	1300
105-DW-30	1st floor, lab processing, 3rd N most sink	10.4	19.4	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-31	1st floor, lab processing, 4th N most sink	10.2	19.2	Sink	Copper	84	µg/L	Below	1300
105-DW-31	1st floor, lab processing, 4th N most sink	10.2	19.2	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-32	1st floor, lab processing, 5 N most sink	10.6	19.1	Sink	Copper	21	µg/L	Below	1300
105-DW-32	1st floor, lab processing, 5 N most sink	10.6	19.1	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-33	1st floor, lab processing, S most sink on E wall	10.3	19.2	Sink	Copper	270	µg/L	Below	1300
105-DW-33	1st floor, lab processing, S most sink on E wall	10.3	19.2	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-34	2nd floor, lab room 339, sink	10.0	22.2	Sink	Copper	74	µg/L	Below	1300
105-DW-34	2nd floor, lab room 339, sink	10.0	22.2	Sink	Lead	4.6	µg/L	Below	15
105-DW-35	2nd floor, lab room 337, sink by door	10.2	23.1	Sink	Copper	33	µg/L	Below	1300
105-DW-35	2nd floor, lab room 337, sink by door	10.2	23.1	Sink	Lead	1.2	µg/L	Below	15
105-DW-36	2nd floor, lab room 336, sink	10.1	23.2	Sink	Copper	44	µg/L	Below	1300
105-DW-36	2nd floor, lab room 336, sink	10.1	23.2	Sink	Lead	70	µg/L	Above	15
105-DW-37	2nd floor, lab room 321, island sink	10.0	23.7	Sink	Copper	29	µg/L	Below	1300
105-DW-37	2nd floor, lab room 321, island sink	10.0	23.7	Sink	Lead	1.2	µg/L	Below	15
105-DW-38	Duplicate of 105-DW-37	10.0	23.7	Sink	Copper	32	µg/L	Below	1300
105-DW-38	Duplicate of 105-DW-37	10.0	23.7	Sink	Lead	4.5	µg/L	Below	15
105-DW-39	2nd floor, lab room 328, island sink	9.9	23.1	Sink	Copper	41	µg/L	Below	1300
105-DW-39	2nd floor, lab room 328, island sink	9.9	23.1	Sink	Lead	11	µg/L	Below	15

Notes:

DF - Drinking Fountain

D - Duplicate

L/R - Left or Right

BF - Bottle Filler

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

GFC

JOB NUMBER

810-97544-1

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
Amanda.Scott@et.eurofinsus.com
(574)233-4777



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Definitions/Glossary

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

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: GFC

Job ID: 810-97544-1

Job ID: 810-97544-1

Eurofins Eaton Analytical South Bend

Job Narrative 810-97544-1

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 3/18/2024 9:00 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.

Client Sample Results

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-01

Lab Sample ID: 810-97544-1

Date Collected: 03/11/24 05:03

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 12:36	1
Copper	54		1.0	ug/L			03/19/24 12:36	1

Client Sample ID: 105 - DW-02

Lab Sample ID: 810-97544-2

Date Collected: 03/11/24 05:05

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 12:38	1
Copper	18		1.0	ug/L			03/19/24 12:38	1

Client Sample ID: 105 - DW-03

Lab Sample ID: 810-97544-3

Date Collected: 03/11/24 05:05

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 12:41	1
Copper	19		1.0	ug/L			03/19/24 12:41	1

Client Sample ID: 105 - DW-04

Lab Sample ID: 810-97544-4

Date Collected: 03/11/24 05:09

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 12:44	1
Copper	15		1.0	ug/L			03/19/24 12:44	1

Client Sample ID: 105 - DW-05

Lab Sample ID: 810-97544-5

Date Collected: 03/11/24 05:12

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.2		0.50	ug/L			03/19/24 12:47	1
Copper	59		1.0	ug/L			03/19/24 12:47	1

Client Sample ID: 105 - DW-06

Lab Sample ID: 810-97544-6

Date Collected: 03/11/24 05:16

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.5		0.50	ug/L			03/19/24 12:49	1
Copper	85		1.0	ug/L			03/19/24 12:49	1

Client Sample Results

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-07

Lab Sample ID: 810-97544-7

Date Collected: 03/11/24 05:24

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 12:52	1
Copper	33		1.0	ug/L			03/19/24 12:52	1

Client Sample ID: 105 - DW-08

Lab Sample ID: 810-97544-8

Date Collected: 03/11/24 05:26

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.5		0.50	ug/L			03/19/24 12:55	1
Copper	53		1.0	ug/L			03/19/24 12:55	1

Client Sample ID: 105 - DW-09

Lab Sample ID: 810-97544-9

Date Collected: 03/11/24 05:28

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 12:58	1
Copper	11		1.0	ug/L			03/19/24 12:58	1

Client Sample ID: 105 - DW-10

Lab Sample ID: 810-97544-10

Date Collected: 03/11/24 05:34

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.50		0.50	ug/L			03/19/24 13:06	1
Copper	39		1.0	ug/L			03/19/24 13:06	1

Client Sample ID: 105 - DW-11

Lab Sample ID: 810-97544-11

Date Collected: 03/11/24 05:39

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.4		0.50	ug/L			03/19/24 13:09	1
Copper	42		1.0	ug/L			03/19/24 13:09	1

Client Sample ID: 105 - DW-12

Lab Sample ID: 810-97544-12

Date Collected: 03/11/24 05:42

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.9		0.50	ug/L			03/19/24 13:17	1
Copper	130		1.0	ug/L			03/19/24 13:17	1

Client Sample Results

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-13

Lab Sample ID: 810-97544-13

Date Collected: 03/11/24 05:46

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 13:20	1
Copper	23		1.0	ug/L			03/19/24 13:20	1

Client Sample ID: 105 - DW-14

Lab Sample ID: 810-97544-14

Date Collected: 03/11/24 05:51

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.6		0.50	ug/L			03/19/24 13:22	1
Copper	55		1.0	ug/L			03/19/24 13:22	1

Client Sample ID: 105 - DW-15

Lab Sample ID: 810-97544-15

Date Collected: 03/11/24 05:52

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		0.50	ug/L			03/19/24 13:25	1
Copper	290		1.0	ug/L			03/19/24 13:25	1

Client Sample ID: 105 - DW-16

Lab Sample ID: 810-97544-16

Date Collected: 03/11/24 06:00

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	54		0.50	ug/L			03/19/24 13:28	1
Copper	200		1.0	ug/L			03/19/24 13:28	1

Client Sample ID: 105 - DW-17

Lab Sample ID: 810-97544-17

Date Collected: 03/11/24 06:00

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.3		0.50	ug/L			03/19/24 13:31	1
Copper	33		1.0	ug/L			03/19/24 13:31	1

Client Sample ID: 105 - DW-18

Lab Sample ID: 810-97544-18

Date Collected: 03/11/24 06:03

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.6		0.50	ug/L			03/19/24 13:33	1
Copper	43		1.0	ug/L			03/19/24 13:33	1

Client Sample Results

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-19

Lab Sample ID: 810-97544-19

Date Collected: 03/11/24 06:06

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140		0.50	ug/L			03/19/24 13:36	1
Copper	59		1.0	ug/L			03/19/24 13:36	1

Client Sample ID: 105 - DW-20

Lab Sample ID: 810-97544-20

Date Collected: 03/11/24 06:06

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	57		0.50	ug/L			03/19/24 13:50	1
Copper	54		1.0	ug/L			03/19/24 13:50	1

Client Sample ID: 105 - DW-21

Lab Sample ID: 810-97544-21

Date Collected: 03/11/24 06:10

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	29		0.50	ug/L			03/19/24 13:53	1
Copper	78		1.0	ug/L			03/19/24 13:53	1

Client Sample ID: 105 - DW-22

Lab Sample ID: 810-97544-22

Date Collected: 03/11/24 06:13

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.6		0.50	ug/L			03/19/24 13:56	1
Copper	42		1.0	ug/L			03/19/24 13:56	1

Client Sample ID: 105 - DW-23

Lab Sample ID: 810-97544-23

Date Collected: 03/12/24 05:12

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.90		0.50	ug/L			03/19/24 14:04	1
Copper	64		1.0	ug/L			03/19/24 14:04	1

Client Sample ID: 105 - DW-24

Lab Sample ID: 810-97544-24

Date Collected: 03/12/24 05:13

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 14:07	1
Copper	10		1.0	ug/L			03/19/24 14:07	1

Client Sample Results

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-25

Lab Sample ID: 810-97544-25

Date Collected: 03/12/24 05:13

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 14:09	1
Copper	10		1.0	ug/L			03/19/24 14:09	1

Client Sample ID: 105 - DW-26

Lab Sample ID: 810-97544-26

Date Collected: 03/12/24 05:17

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.67		0.50	ug/L			03/19/24 14:12	1
Copper	29		1.0	ug/L			03/19/24 14:12	1

Client Sample ID: 105 - DW-27

Lab Sample ID: 810-97544-27

Date Collected: 03/12/24 05:21

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.50	ug/L			03/19/24 14:15	1
Copper	54		1.0	ug/L			03/19/24 14:15	1

Client Sample ID: 105 - DW-28

Lab Sample ID: 810-97544-28

Date Collected: 03/12/24 05:22

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.83		0.50	ug/L			03/19/24 14:18	1
Copper	50		1.0	ug/L			03/19/24 14:18	1

Client Sample ID: 105 - DW-29

Lab Sample ID: 810-97544-29

Date Collected: 03/12/24 05:24

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 14:21	1
Copper	47		1.0	ug/L			03/19/24 14:21	1

Client Sample ID: 105 - DW-30

Lab Sample ID: 810-97544-30

Date Collected: 03/12/24 05:26

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 14:29	1
Copper	19		1.0	ug/L			03/19/24 14:29	1

Client Sample Results

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-31

Lab Sample ID: 810-97544-31

Date Collected: 03/12/24 05:26

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 14:32	1
Copper	84		1.0	ug/L			03/19/24 14:32	1

Client Sample ID: 105 - DW-32

Lab Sample ID: 810-97544-32

Date Collected: 03/12/24 05:29

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 14:35	1
Copper	21		1.0	ug/L			03/19/24 14:35	1

Client Sample ID: 105 - DW-33

Lab Sample ID: 810-97544-33

Date Collected: 03/12/24 05:31

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			03/19/24 14:38	1
Copper	270		1.0	ug/L			03/19/24 14:38	1

Client Sample ID: 105 - DW-34

Lab Sample ID: 810-97544-34

Date Collected: 03/12/24 05:36

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.6		0.50	ug/L			03/19/24 14:46	1
Copper	74		1.0	ug/L			03/19/24 14:46	1

Client Sample ID: 105 - DW-35

Lab Sample ID: 810-97544-35

Date Collected: 03/12/24 05:39

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.50	ug/L			03/19/24 14:49	1
Copper	33		1.0	ug/L			03/19/24 14:49	1

Client Sample ID: 105 - DW-36

Lab Sample ID: 810-97544-36

Date Collected: 03/12/24 05:42

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	70		0.50	ug/L			03/19/24 14:52	1
Copper	44		1.0	ug/L			03/19/24 14:52	1

Client Sample Results

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-37

Lab Sample ID: 810-97544-37

Date Collected: 03/12/24 05:45

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.50	ug/L			03/19/24 14:55	1
Copper	29		1.0	ug/L			03/19/24 14:55	1

Client Sample ID: 105 - DW-38

Lab Sample ID: 810-97544-38

Date Collected: 03/12/24 05:45

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.5		0.50	ug/L			03/19/24 14:58	1
Copper	32		1.0	ug/L			03/19/24 14:58	1

Client Sample ID: 105 - DW-39

Lab Sample ID: 810-97544-39

Date Collected: 03/12/24 05:54

Matrix: Drinking Water

Date Received: 03/18/24 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.50	ug/L			03/19/24 15:01	1
Copper	41		1.0	ug/L			03/19/24 15:01	1

Lab Chronicle

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-01

Date Collected: 03/11/24 05:03

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-1

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	92692	CA	EA SB	03/19/24 12:36

Client Sample ID: 105 - DW-02

Date Collected: 03/11/24 05:05

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-2

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	92692	CA	EA SB	03/19/24 12:38

Client Sample ID: 105 - DW-03

Date Collected: 03/11/24 05:05

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-3

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	92692	CA	EA SB	03/19/24 12:41

Client Sample ID: 105 - DW-04

Date Collected: 03/11/24 05:09

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-4

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	92692	CA	EA SB	03/19/24 12:44

Client Sample ID: 105 - DW-05

Date Collected: 03/11/24 05:12

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-5

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	92692	CA	EA SB	03/19/24 12:47

Client Sample ID: 105 - DW-06

Date Collected: 03/11/24 05:16

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-6

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	92692	CA	EA SB	03/19/24 12:49

Client Sample ID: 105 - DW-07

Date Collected: 03/11/24 05:24

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-7

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	92692	CA	EA SB	03/19/24 12:52

Lab Chronicle

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-08

Date Collected: 03/11/24 05:26

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-8

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	92692	CA	EA SB	03/19/24 12:55

Client Sample ID: 105 - DW-09

Date Collected: 03/11/24 05:28

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-9

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	92692	CA	EA SB	03/19/24 12:58

Client Sample ID: 105 - DW-10

Date Collected: 03/11/24 05:34

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-10

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	92692	CA	EA SB	03/19/24 13:06

Client Sample ID: 105 - DW-11

Date Collected: 03/11/24 05:39

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-11

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	92692	CA	EA SB	03/19/24 13:09

Client Sample ID: 105 - DW-12

Date Collected: 03/11/24 05:42

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-12

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	92692	CA	EA SB	03/19/24 13:17

Client Sample ID: 105 - DW-13

Date Collected: 03/11/24 05:46

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-13

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	92692	CA	EA SB	03/19/24 13:20

Client Sample ID: 105 - DW-14

Date Collected: 03/11/24 05:51

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-14

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	92692	CA	EA SB	03/19/24 13:22

Lab Chronicle

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-15

Date Collected: 03/11/24 05:52

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-15

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	92692	CA	EA SB	03/19/24 13:25

Client Sample ID: 105 - DW-16

Date Collected: 03/11/24 06:00

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-16

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	92692	CA	EA SB	03/19/24 13:28

Client Sample ID: 105 - DW-17

Date Collected: 03/11/24 06:00

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-17

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	92692	CA	EA SB	03/19/24 13:31

Client Sample ID: 105 - DW-18

Date Collected: 03/11/24 06:03

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-18

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	92692	CA	EA SB	03/19/24 13:33

Client Sample ID: 105 - DW-19

Date Collected: 03/11/24 06:06

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-19

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	92692	CA	EA SB	03/19/24 13:36

Client Sample ID: 105 - DW-20

Date Collected: 03/11/24 06:06

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-20

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	92692	CA	EA SB	03/19/24 13:50

Client Sample ID: 105 - DW-21

Date Collected: 03/11/24 06:10

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-21

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	92692	CA	EA SB	03/19/24 13:53

Lab Chronicle

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-22

Date Collected: 03/11/24 06:13

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-22

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	92692	CA	EA SB	03/19/24 13:56

Client Sample ID: 105 - DW-23

Date Collected: 03/12/24 05:12

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-23

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	92692	CA	EA SB	03/19/24 14:04

Client Sample ID: 105 - DW-24

Date Collected: 03/12/24 05:13

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-24

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	92692	CA	EA SB	03/19/24 14:07

Client Sample ID: 105 - DW-25

Date Collected: 03/12/24 05:13

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-25

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	92692	CA	EA SB	03/19/24 14:09

Client Sample ID: 105 - DW-26

Date Collected: 03/12/24 05:17

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-26

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	92692	CA	EA SB	03/19/24 14:12

Client Sample ID: 105 - DW-27

Date Collected: 03/12/24 05:21

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-27

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	92692	CA	EA SB	03/19/24 14:15

Client Sample ID: 105 - DW-28

Date Collected: 03/12/24 05:22

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-28

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	92692	CA	EA SB	03/19/24 14:18

Lab Chronicle

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-29

Date Collected: 03/12/24 05:24

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-29

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	92692	CA	EA SB	03/19/24 14:21

Client Sample ID: 105 - DW-30

Date Collected: 03/12/24 05:26

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-30

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	92692	CA	EA SB	03/19/24 14:29

Client Sample ID: 105 - DW-31

Date Collected: 03/12/24 05:26

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-31

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	92692	CA	EA SB	03/19/24 14:32

Client Sample ID: 105 - DW-32

Date Collected: 03/12/24 05:29

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-32

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	92692	CA	EA SB	03/19/24 14:35

Client Sample ID: 105 - DW-33

Date Collected: 03/12/24 05:31

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-33

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	92692	CA	EA SB	03/19/24 14:38

Client Sample ID: 105 - DW-34

Date Collected: 03/12/24 05:36

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-34

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	92692	CA	EA SB	03/19/24 14:46

Client Sample ID: 105 - DW-35

Date Collected: 03/12/24 05:39

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-35

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	92692	CA	EA SB	03/19/24 14:49

Lab Chronicle

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-97544-1

Client Sample ID: 105 - DW-36

Date Collected: 03/12/24 05:42

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-36

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	92692	CA	EA SB	03/19/24 14:52

Client Sample ID: 105 - DW-37

Date Collected: 03/12/24 05:45

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-37

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	92692	CA	EA SB	03/19/24 14:55

Client Sample ID: 105 - DW-38

Date Collected: 03/12/24 05:45

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-38

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	92692	CA	EA SB	03/19/24 14:58

Client Sample ID: 105 - DW-39

Date Collected: 03/12/24 05:54

Date Received: 03/18/24 09:00

Lab Sample ID: 810-97544-39

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	92692	CA	EA SB	03/19/24 15:01

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: GFC

Job ID: 810-97544-1

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: GFC

Job ID: 810-97544-1

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: GFC

Job ID: 810-97544-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-97544-1	105 - DW-01	Drinking Water	03/11/24 05:03	03/18/24 09:00
810-97544-2	105 - DW-02	Drinking Water	03/11/24 05:05	03/18/24 09:00
810-97544-3	105 - DW-03	Drinking Water	03/11/24 05:05	03/18/24 09:00
810-97544-4	105 - DW-04	Drinking Water	03/11/24 05:09	03/18/24 09:00
810-97544-5	105 - DW-05	Drinking Water	03/11/24 05:12	03/18/24 09:00
810-97544-6	105 - DW-06	Drinking Water	03/11/24 05:16	03/18/24 09:00
810-97544-7	105 - DW-07	Drinking Water	03/11/24 05:24	03/18/24 09:00
810-97544-8	105 - DW-08	Drinking Water	03/11/24 05:26	03/18/24 09:00
810-97544-9	105 - DW-09	Drinking Water	03/11/24 05:28	03/18/24 09:00
810-97544-10	105 - DW-10	Drinking Water	03/11/24 05:34	03/18/24 09:00
810-97544-11	105 - DW-11	Drinking Water	03/11/24 05:39	03/18/24 09:00
810-97544-12	105 - DW-12	Drinking Water	03/11/24 05:42	03/18/24 09:00
810-97544-13	105 - DW-13	Drinking Water	03/11/24 05:46	03/18/24 09:00
810-97544-14	105 - DW-14	Drinking Water	03/11/24 05:51	03/18/24 09:00
810-97544-15	105 - DW-15	Drinking Water	03/11/24 05:52	03/18/24 09:00
810-97544-16	105 - DW-16	Drinking Water	03/11/24 06:00	03/18/24 09:00
810-97544-17	105 - DW-17	Drinking Water	03/11/24 06:00	03/18/24 09:00
810-97544-18	105 - DW-18	Drinking Water	03/11/24 06:03	03/18/24 09:00
810-97544-19	105 - DW-19	Drinking Water	03/11/24 06:06	03/18/24 09:00
810-97544-20	105 - DW-20	Drinking Water	03/11/24 06:06	03/18/24 09:00
810-97544-21	105 - DW-21	Drinking Water	03/11/24 06:10	03/18/24 09:00
810-97544-22	105 - DW-22	Drinking Water	03/11/24 06:13	03/18/24 09:00
810-97544-23	105 - DW-23	Drinking Water	03/12/24 05:12	03/18/24 09:00
810-97544-24	105 - DW-24	Drinking Water	03/12/24 05:13	03/18/24 09:00
810-97544-25	105 - DW-25	Drinking Water	03/12/24 05:13	03/18/24 09:00
810-97544-26	105 - DW-26	Drinking Water	03/12/24 05:17	03/18/24 09:00
810-97544-27	105 - DW-27	Drinking Water	03/12/24 05:21	03/18/24 09:00
810-97544-28	105 - DW-28	Drinking Water	03/12/24 05:22	03/18/24 09:00
810-97544-29	105 - DW-29	Drinking Water	03/12/24 05:24	03/18/24 09:00
810-97544-30	105 - DW-30	Drinking Water	03/12/24 05:26	03/18/24 09:00
810-97544-31	105 - DW-31	Drinking Water	03/12/24 05:26	03/18/24 09:00
810-97544-32	105 - DW-32	Drinking Water	03/12/24 05:29	03/18/24 09:00
810-97544-33	105 - DW-33	Drinking Water	03/12/24 05:31	03/18/24 09:00
810-97544-34	105 - DW-34	Drinking Water	03/12/24 05:36	03/18/24 09:00
810-97544-35	105 - DW-35	Drinking Water	03/12/24 05:39	03/18/24 09:00
810-97544-36	105 - DW-36	Drinking Water	03/12/24 05:42	03/18/24 09:00
810-97544-37	105 - DW-37	Drinking Water	03/12/24 05:45	03/18/24 09:00
810-97544-38	105 - DW-38	Drinking Water	03/12/24 05:45	03/18/24 09:00
810-97544-39	105 - DW-39	Drinking Water	03/12/24 05:54	03/18/24 09:00



810-97544 Chain of Custody

aton Analytical

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

Order # 433311
Batch #

Shaded area for EEA use only

CHAIN OF CUSTODY RECORD

Page 1 of 3

REPORT TO: Ashley Anstaeit - alanstaeit@burnsmcd.com
9400 Ward Parkway
Kansas City, MO 64114

BILL TO: Same
SAMPLER SIGNATURE: [Redacted]

COMPLIANCE MONITORING: Yes [], No [X]
POPULATION SERVED: NA
SOURCE WATER: Municipal
STATE (sample origin): MO
PROJECT NAME: GFC
PC#: 121244

LAB Number: []
DATE: 3/11
TIME: 0503
AM/PM: X

COLLECTION: 105-DW-01
SAMPLING SITE: 105-DW-02
TEST NAME: Lead + Copper

DATE: 3/11
TIME: 0505
AM/PM: []

DATE: 3/11
TIME: 0509
AM/PM: []

DATE: 3/11
TIME: 0512
AM/PM: []

DATE: 3/11
TIME: 0516
AM/PM: []

DATE: 3/11
TIME: 0524
AM/PM: []

DATE: 3/11
TIME: 0526
AM/PM: []

DATE: 3/11
TIME: 0534
AM/PM: []

DATE: 3/11
TIME: 0539
AM/PM: []

DATE: 3/11
TIME: 0542
AM/PM: []

DATE: 3/11
TIME: 0546
AM/PM: []

DATE: 3/11
TIME: 0551
AM/PM: []

RELINQUISHED BY: (Signature) [Redacted]
DATE: 3/14
TIME: 4:30
AM/PM: PM

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

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

MATRIX CODES:
DIM-DRINKING WATER
RM-REAGENT WATER
GM-GROUND WATER
EM-EXPOSURE WATER
SM-SURFACE WATER
PM-POOL WATER
WM-WASTE WATER

TURN-AROUND TIME (TAT) - SURCHARGES:
SIV = Standard Written: (15 working days) 0%
RV = Rush Verbal: (5 working days) 50%
RW = Rush Written: (5 working days) 75%
IV = Immediate Verbal: (3 working days) 100%
IW = Immediate Written: (3 working days) 125%
SP = Weekend, Holiday
STAT = Less than 48 hours

LAB COMMENTS: LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT
CONDITIONS UPON RECEIPT (check one):
Iced [] Wet/Blue [X] Ambient [] °C Upon Receipt [] N/A []
* Please call, expedited service not available for all testing

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.



Eaton Analytical

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

Order # 433311
Batch #

www.eurofins.com/Eaton

CHAIN OF CUSTODY RECORD

Page 2 of 3

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REPORT TO:
Ashley Ansteel - alansteel@burnsmcd.com
9400 Ward Parkway
Kansas City, MO 64114

SAMPLER (Signature)
[Redacted]

PWS ID #
STATE (sample origin) MOPROJECT NAME
POPULATION SERVED NA
SOURCE WATER MunicipalGFC 121244

COMPLIANCE MONITORING
Yes No
X

CHLORINATED
YES NO
X

BILL TO:
Same

LAB Number

COLLECTION

SAMPLING SITE

TEST NAME

SAMPLE REMARKS

OF CONTAINERS

MATRIX CODE

TURNAROUND TIME

LAB Number	COLLECTION		SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED		# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
	DATE	TIME				YES	NO			
1	3/11	0552	105-DW-15	Lead & Copper		X		1	DW	SW
2		0600	105-DW-16					1		
3		0600	105-DW-17					1		
4		0603	105-DW-18					1		
5		0606	105-DW-19					1		
6		0606	105-DW-20					1		
7		0610	105-DW-21					1		
8		0613	105-DW-22					1		
9		3/12 0512	105-DW-23					1		
10		0513	105-DW-24					1		
11		0513	105-DW-25					1		
12		0517	105-DW-26					1		
13		0521	105-DW-27					1		
14		0522	105-DW-28					1		

RELINQUISHED BY: (Signature) [Redacted] DATE 3/14 TIME 436 AM PM RECEIVED BY: (Signature) [Redacted] DATE 03-18 0900 AM PM

RELINQUISHED BY: (Signature) [Redacted] DATE 3/14 TIME 436 AM PM RECEIVED BY: (Signature) [Redacted] DATE 03-18 0900 AM PM

RELINQUISHED BY: (Signature) [Redacted] DATE 3/14 TIME 436 AM PM RECEIVED BY: (Signature) [Redacted] DATE 03-18 0900 AM PM

RECEIVED FOR LABORATORY BY: [Redacted] DATE 03-18 0900 AM PM

CONDITIONS UPON RECEIPT (check one):
 lead Weir/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%
 RW = Rush Written: (5 working days) 50%
 RW = Rush Written: (5 working days) 75%

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

LAB COMMENTS

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

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.



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

CHAIN OF CUSTODY RECORD

Page 3 of 3

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REPORT TO:
Ashley Anstaeit - alanstaeit@burnsmcd.com
9400 Ward Parkway
Kansas City, MO 64114

SAMPLER (Signature)
[Redacted Signature]

PWS ID #

STATE (sample origin)
MO

PROJECT NAME

PO#

COMPLIANCE MONITORING
Yes No

POPULATION SERVED
NA

SOURCE WATER
Municipal

Same

LAB Number	COLLECTION		SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED		# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
	DATE	TIME				YES	NO			
1	3/12/24	0534	X					X		DW Sw
2		0526		Lead + Copper						
3		0526								
4		0529								
5		0531								
6		0536								
7		0539								
8		0542								
9		0545								
10		0545								
11		0554								
12										
13										
14										

RELINQUISHED BY: (Signature)
[Redacted Signature]

DATE 3/14
TIME 430
AM PM

RECEIVED BY: (Signature)
[Redacted Signature]

DATE 03-18
TIME 0910
AM PM

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

RELINQUISHED BY: (Signature)
[Redacted Signature]

DATE
TIME
AM PM

RECEIVED FOR LABORATORY BY:
[Redacted Signature]

DATE
TIME
AM PM

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

MATRIX CODES:
DW-DRINKING WATER
RW-REAGENT WATER
GM-GROUND WATER
EM-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%
IV = Immediate Verbal: (3 working days) 100%
IW = Immediate Written: (3 working days) 125%
SP = Weekend, Holiday
STAT = Less than 48 hours

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

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.

Login Sample Receipt Checklist

Client: Burns & McDonnell

Job Number: 810-97544-1

Login Number: 97544

List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Pehling-Wright, Penny

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.	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	

