



May 4, 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 March 23, 2023 by Justin Arnold of OCCU-TEC.

METHODOLOGY

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

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

Diane Czarnecki
 Facilities Management Division
 May 4, 2023
 Page 2

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-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	<0.5 µg/L	22.0 µg/L	15 µg/L
Copper	19 µg/L	540 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

Several samples resulted in lead or copper concentrations over the action levels.

1. A sample taken from the northwest foot peddle in lab room 340 on the second floor of building 105 had a lead concentratoin of 15 µg/L.
2. A sample taken from the sink on the south wall of lab room 324 on the second floor of building 105 had a lead concentration of 22 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.

Diane Czarnecki
Facilities Management Division
May 4, 2023
Page 3

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 8.70 to 10.30 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



Diane Czarnecki
Facilities Management Division
May 4, 2023
Page 4

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	1st floor, column H51	8.7	20.9	L DF	Copper	110	µg/L	Below	1300
105-DW-01	1st floor, column H51	8.7	20.9	DF	Lead	1.1	µg/L	Below	15
105-DW-02	1st floor, column H51	9.3	19.3	R DF	Copper	75	µg/L	Below	1300
105-DW-02	1st floor, column H51	9.3	19.3	DF	Lead	1.0	µg/L	Below	15
105-DW-03	1st floor, column A48	9.4	19.7	Sink	Copper	72	µg/L	Below	1300
105-DW-03	1st floor, column A48	9.4	19.7	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-04	Duplicate of 105-DW-03	9.4	19.7	Sink	Copper	80	µg/L	Below	1300
105-DW-04	Duplicate of 105-DW-03	9.4	19.7	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-05	1st Floor A 46 3rd from N Side T&S Sprayer	10.3	19.6	Sink	Copper	70	µg/L	Below	1300
105-DW-05	1st Floor A 46 3rd from N Side T&S Sprayer	10.3	19.6	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-06	1st Floor Column A 46 North Wall Left Side	9.9	19.8	Sink	Copper	72	µg/L	Below	1300
105-DW-06	1st Floor Column A 46 North Wall Left Side	9.9	19.8	Sink	Lead	0.59	µg/L	Below	15
105-DW-07	2nd Floor Breakroom 323 Left Side	9.9	21.0	Sink	Copper	42	µg/L	Below	1300
105-DW-07	2nd Floor Breakroom 323 Left Side	9.9	21.0	Sink	Lead	2.3	µg/L	Below	15
105-DW-08	2nd Floor Breakroom 323 Right Side	9.9	21.7	Sink	Copper	44	µg/L	Below	1300
105-DW-08	2nd Floor Breakroom 323 Right Side	9.9	21.7	Sink	Lead	2.2	µg/L	Below	15
105-DW-09	2nd Floor Column B 42 Left Side	10.0	17.6	DF	Copper	92	µg/L	Below	1300
105-DW-09	2nd Floor Column B 42 Left Side	10.0	17.6	DF	Lead	2.0	µg/L	Below	15
105-DW-10	2nd Floor Column B 42 Right Side	10.0	16.6	DF	Copper	75	µg/L	Below	1300
105-DW-10	2nd Floor Column B 42 Right Side	10.0	16.6	DF	Lead	2.3	µg/L	Below	15
105-DW-11	2nd Floor Column H 51 Left Side	9.7	17.4	DF	Copper	19	µg/L	Below	1300
105-DW-11	2nd Floor Column H 51 Left Side	9.7	17.4	DF	Lead	< 0.50	µg/L	Below	15
105-DW-12	2nd Floor Column H 51 Right Side	9.7	16.3	Bottle Filler	Copper	72	µg/L	Below	1300
105-DW-12	2nd Floor Column H 51 Right Side	9.7	16.3	Bottle Filler	Lead	< 0.50	µg/L	Below	15
105-DW-13	2nd Floor Room 317	10.1	20.0	Sink	Copper	31	µg/L	Below	1300
105-DW-13	2nd Floor Room 317	10.1	20.0	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-14	2nd Floor Room 315 Center Island Foot Peddle	9.9	20.4	Sink	Copper	57	µg/L	Below	1300
105-DW-14	2nd Floor Room 315 Center Island Foot Peddle	9.9	20.4	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-15	2nd Floor Room 314 SE Side	10.1	21.0	Sink	Copper	39	µg/L	Below	1300
105-DW-15	2nd Floor Room 314 SE Side	10.1	21.0	Sink	Lead	0.82	µg/L	Below	15
105-DW-16	2nd Floor Room 312 South Wall	10.1	21.2	Sink	Copper	42	µg/L	Below	1300
105-DW-16	2nd Floor Room 312 South Wall	10.1	21.2	Sink	Lead	0.78	µg/L	Below	15
105-DW-17	2nd Floor Room 311 North Wall	10.0	20.6	Sink	Copper	80	µg/L	Below	1300
105-DW-17	2nd Floor Room 311 North Wall	10.0	20.6	Sink	Lead	2.2	µg/L	Below	15
105-DW-18	2nd Floor Room 356 NE Side Foot Peddle	10.1	20.6	Sink	Copper	55	µg/L	Below	1300
105-DW-18	2nd Floor Room 356 NE Side Foot Peddle	10.1	20.6	Sink	Lead	2.3	µg/L	Below	15
105-DW-19	2nd Floor 346 North Wall Foot Peddle	10.1	20.7	Sink	Copper	46	µg/L	Below	1300
105-DW-19	2nd Floor 346 North Wall Foot Peddle	10.1	20.7	Sink	Lead	1.9	µg/L	Below	15
105-DW-20	2nd Floor Room 347 NE Side Foot Peddle	10.3	20.0	Sink	Copper	50	µg/L	Below	1300
105-DW-20	2nd Floor Room 347 NE Side Foot Peddle	10.3	20.0	Sink	Lead	1.6	µg/L	Below	15
105-DW-21	2nd Floor Room 337 SE Side Foot Peddle	10.0	21.5	Sink	Copper	46	µg/L	Below	1300
105-DW-21	2nd Floor Room 337 SE Side Foot Peddle	10.0	21.5	Sink	Lead	1.1	µg/L	Below	15
105-DW-22	2nd Floor Room 337 SE Side Foot Peddle	10.0	21.5	Sink	Copper	37	µg/L	Below	1300
105-DW-22	2nd Floor Room 337 SE Side Foot Peddle	10.0	21.5	Sink	Lead	0.77	µg/L	Below	15
105-DW-23	2nd Floor Room 339 North Center Foot Peddle	9.9	22.3	Sink	Copper	66	µg/L	Below	1300
105-DW-23	2nd Floor Room 339 North Center Foot Peddle	9.9	22.3	Sink	Lead	1.9	µg/L	Below	15
105-DW-24	2nd Floor Room 340 NW Side Foot Peddle	9.9	21.9	Sink	Copper	48	µg/L	Below	1300
105-DW-24	2nd Floor Room 340 NW Side Foot Peddle	9.9	21.9	Sink	Lead	15	µg/L	Above	15
105-DW-25	2nd Floor Room 341 Center island N Side Foot Peddle	9.9	22.1	Sink	Copper	49	µg/L	Below	1300
105-DW-25	2nd Floor Room 341 Center island N Side Foot Peddle	9.9	22.1	Sink	Lead	2.4	µg/L	Below	15
105-DW-26	2nd Floor Room 345 Center island N Side Foot Peddle	10.0	22.2	Sink	Copper	73	µg/L	Below	1300
105-DW-26	2nd Floor Room 345 Center island N Side Foot Peddle	10.0	22.2	Sink	Lead	1.7	µg/L	Below	15
105-DW-27	2nd Floor Room 345 South Wall Side Foot Peddle	10.0	22.4	Sink	Copper	76	µg/L	Below	1300
105-DW-27	2nd Floor Room 345 South Wall Side Foot Peddle	10.0	22.4	Sink	Lead	0.77	µg/L	Below	15
105-DW-28	2nd Floor Room 329 West Wall	9.9	22.2	Sink	Copper	58	µg/L	Below	1300
105-DW-28	2nd Floor Room 329 West Wall	9.9	22.2	Sink	Lead	5.5	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	2nd Floor Room 324 South Wall	9.9	22.0	Sink	Copper	55	µg/L	Below	1300
105-DW-29	2nd Floor Room 324 South Wall	9.9	22.0	Sink	Lead	22	µg/L	Above	15
105-DW-30	2nd Floor Room 319 North Wall	10.1	21.8	Sink	Copper	83	µg/L	Below	1300
105-DW-30	2nd Floor Room 319 North Wall	10.1	21.8	Sink	Lead	5.6	µg/L	Below	15
105-DW-31	1st Floor Column B 31 Oasis	9.6	18.1	DF	Copper	38	µg/L	Below	1300
105-DW-31	1st Floor Column B 31 Oasis	9.6	18.1	DF	Lead	< 0.50	µg/L	Below	15
105-DW-32	1st Floor Breakroom Column B 20	10.1	19.2	Sink	Copper	120	µg/L	Below	1300
105-DW-32	1st Floor Breakroom Column B 20	10.1	19.2	Sink	Lead	0.55	µg/L	Below	15
105-DW-33	1st Floor Breakroom Column B 20	10.1	19.2	Sink	Copper	130	µg/L	Below	1300
105-DW-33	1st Floor Breakroom Column B 20	10.1	19.2	Sink	Lead	0.55	µg/L	Below	15
105-DW-34	1st Floor Column B 19 Left Side	10.1	16.5	DF	Copper	81	µg/L	Below	1300
105-DW-34	1st Floor Column B 19 Left Side	10.1	16.5	DF	Lead	1.7	µg/L	Below	15
105-DW-35	1st Floor Break Room Column B 9	9.9	17.7	Sink	Copper	540	µg/L	Below	1300
105-DW-35	1st Floor Break Room Column B 9	9.9	17.7	Sink	Lead	9.2	µg/L	Below	15
105-DW-36	1st Floor Column B 6 Right Side	9.9	17.3	DF	Copper	100	µg/L	Below	1300
105-DW-36	1st Floor Column B 6 Right Side	9.9	17.3	DF	Lead	2.4	µg/L	Below	15

Notes:

* - Not first draw

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
Chesterfield, Missouri 63017

Generated 4/11/2023 9:33:36 AM

JOB DESCRIPTION

Burns & McDonnell

JOB NUMBER

810-57977-1

Eurofins Eaton Analytical South Bend

Job Notes

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
4/11/2023 9:33:36 AM

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Lab Chronicle	12
Certification Summary	17
Method Summary	18
Sample Summary	19
Chain of Custody	20
Receipt Checklists	24

Definitions/Glossary

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

Job ID: 810-57977-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: Burns & McDonnell

Job ID: 810-57977-1

Job ID: 810-57977-1

Laboratory: Eurofins Eaton Analytical South Bend

Narrative

Job Narrative
810-57977-1

Receipt

The samples were received on 3/30/2023 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

One or more containers for the following sample(s) was received empty: Sample 105-DW-27 arrived empty with the water from bottle in the cooler.

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: Burns & McDonnell

Job ID: 810-57977-1

Client Sample ID: 105-DW-01

Date Collected: 03/23/23 04:50

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-1

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.1		0.50	ug/L			04/10/23 14:46	1
Copper	110		1.0	ug/L			04/10/23 14:46	1

Client Sample ID: 105-DW-02

Date Collected: 03/23/23 04:52

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-2

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.0		0.50	ug/L			04/10/23 14:48	1
Copper	75		1.0	ug/L			04/10/23 14:48	1

Client Sample ID: 105-DW-03

Date Collected: 03/23/23 04:56

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-3

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			04/10/23 14:57	1
Copper	72		1.0	ug/L			04/10/23 14:57	1

Client Sample ID: 105-DW-04

Date Collected: 03/23/23 04:56

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-4

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			04/10/23 14:59	1
Copper	80		1.0	ug/L			04/10/23 14:59	1

Client Sample ID: 105-DW-05

Date Collected: 03/23/23 05:00

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-5

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			04/10/23 15:01	1
Copper	70		1.0	ug/L			04/10/23 15:01	1

Client Sample ID: 105-DW-06

Date Collected: 03/23/23 05:03

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-6

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.59		0.50	ug/L			04/10/23 15:07	1
Copper	72		1.0	ug/L			04/10/23 15:07	1

Client Sample Results

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

Job ID: 810-57977-1

Client Sample ID: 105-DW-07

Lab Sample ID: 810-57977-7

Date Collected: 03/23/23 05:06

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3		0.50	ug/L			04/10/23 15:09	1
Copper	42		1.0	ug/L			04/10/23 15:09	1

Client Sample ID: 105-DW-08

Lab Sample ID: 810-57977-8

Date Collected: 03/23/23 05:08

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.2		0.50	ug/L			04/10/23 15:10	1
Copper	44		1.0	ug/L			04/10/23 15:10	1

Client Sample ID: 105-DW-09

Lab Sample ID: 810-57977-9

Date Collected: 03/23/23 05:10

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.0		0.50	ug/L			04/10/23 15:12	1
Copper	92		1.0	ug/L			04/10/23 15:12	1

Client Sample ID: 105-DW-10

Lab Sample ID: 810-57977-10

Date Collected: 03/23/23 05:12

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3		0.50	ug/L			04/10/23 15:14	1
Copper	75		1.0	ug/L			04/10/23 15:14	1

Client Sample ID: 105-DW-11

Lab Sample ID: 810-57977-11

Date Collected: 03/23/23 05:18

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			04/10/23 15:16	1
Copper	19		1.0	ug/L			04/10/23 15:16	1

Client Sample ID: 105-DW-12

Lab Sample ID: 810-57977-12

Date Collected: 03/23/23 05:20

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			04/10/23 15:18	1
Copper	72		1.0	ug/L			04/10/23 15:18	1

Client Sample Results

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

Job ID: 810-57977-1

Client Sample ID: 105-DW-13

Date Collected: 03/23/23 05:24

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-13

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			04/10/23 15:23	1
Copper	31		1.0	ug/L			04/10/23 15:23	1

Client Sample ID: 105-DW-14

Date Collected: 03/23/23 05:27

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-14

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			04/10/23 15:25	1
Copper	57		1.0	ug/L			04/10/23 15:25	1

Client Sample ID: 105-DW-15

Date Collected: 03/23/23 05:29

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-15

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.82		0.50	ug/L			04/10/23 15:27	1
Copper	39		1.0	ug/L			04/10/23 15:27	1

Client Sample ID: 105-DW-16

Date Collected: 03/23/23 05:31

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-16

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.78		0.50	ug/L			04/10/23 15:29	1
Copper	42		1.0	ug/L			04/10/23 15:29	1

Client Sample ID: 105-DW-17

Date Collected: 03/23/23 05:35

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-17

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.2		0.50	ug/L			04/10/23 15:31	1
Copper	80		1.0	ug/L			04/10/23 15:31	1

Client Sample ID: 105-DW-18

Date Collected: 03/23/23 05:38

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-18

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.3		0.50	ug/L			04/10/23 15:33	1
Copper	55		1.0	ug/L			04/10/23 15:33	1

Client Sample Results

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

Job ID: 810-57977-1

Client Sample ID: 105-DW-19

Date Collected: 03/23/23 05:40

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-19

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.9		0.50	ug/L			04/10/23 16:03	1
Copper	46		1.0	ug/L			04/10/23 16:03	1

Client Sample ID: 105-DW-20

Date Collected: 03/23/23 05:43

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-20

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.6		0.50	ug/L			04/10/23 16:04	1
Copper	50		1.0	ug/L			04/10/23 16:04	1

Client Sample ID: 105-DW-21

Date Collected: 03/23/23 05:46

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-21

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.1		0.50	ug/L			04/10/23 16:06	1
Copper	46		1.0	ug/L			04/10/23 16:06	1

Client Sample ID: 105-DW-22

Date Collected: 03/23/23 05:46

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-22

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.77		0.50	ug/L			04/10/23 16:08	1
Copper	37		1.0	ug/L			04/10/23 16:08	1

Client Sample ID: 105-DW-23

Date Collected: 03/23/23 05:50

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-23

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.9		0.50	ug/L			04/10/23 16:10	1
Copper	66		1.0	ug/L			04/10/23 16:10	1

Client Sample ID: 105-DW-24

Date Collected: 03/23/23 05:52

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-24

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		0.50	ug/L			04/10/23 16:12	1
Copper	48		1.0	ug/L			04/10/23 16:12	1

Client Sample Results

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

Job ID: 810-57977-1

Client Sample ID: 105-DW-25

Lab Sample ID: 810-57977-25

Date Collected: 03/23/23 05:54

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		0.50	ug/L			04/10/23 16:14	1
Copper	49		1.0	ug/L			04/10/23 16:14	1

Client Sample ID: 105-DW-26

Lab Sample ID: 810-57977-26

Date Collected: 03/23/23 05:56

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.7		0.50	ug/L			04/10/23 16:19	1
Copper	73		1.0	ug/L			04/10/23 16:19	1

Client Sample ID: 105-DW-28

Lab Sample ID: 810-57977-27

Date Collected: 03/23/23 06:00

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.5		0.50	ug/L			04/10/23 16:21	1
Copper	58		1.0	ug/L			04/10/23 16:21	1

Client Sample ID: 105-DW-29

Lab Sample ID: 810-57977-28

Date Collected: 03/23/23 06:04

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22		0.50	ug/L			04/10/23 16:23	1
Copper	55		1.0	ug/L			04/10/23 16:23	1

Client Sample ID: 105-DW-30

Lab Sample ID: 810-57977-29

Date Collected: 03/23/23 06:08

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.6		0.50	ug/L			04/10/23 16:25	1
Copper	83		1.0	ug/L			04/10/23 16:25	1

Client Sample ID: 105-DW-31

Lab Sample ID: 810-57977-30

Date Collected: 03/23/23 06:15

Matrix: Drinking Water

Date Received: 03/30/23 16:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50	ug/L			04/10/23 16:31	1
Copper	38		1.0	ug/L			04/10/23 16:31	1

Client Sample Results

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

Job ID: 810-57977-1

Client Sample ID: 105-DW-32

Date Collected: 03/23/23 06:20

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-31

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.55		0.50	ug/L			04/10/23 16:32	1
Copper	120		1.0	ug/L			04/10/23 16:32	1

Client Sample ID: 105-DW-33

Date Collected: 03/23/23 06:20

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-32

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.55		0.50	ug/L			04/10/23 16:34	1
Copper	130		1.0	ug/L			04/10/23 16:34	1

Client Sample ID: 105-DW-34

Date Collected: 03/23/23 06:23

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-33

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.7		0.50	ug/L			04/10/23 16:36	1
Copper	81		1.0	ug/L			04/10/23 16:36	1

Client Sample ID: 105-DW-35

Date Collected: 03/23/23 06:25

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-34

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.2		0.50	ug/L			04/10/23 16:38	1
Copper	540		1.0	ug/L			04/10/23 16:38	1

Client Sample ID: 105-DW-36

Date Collected: 03/23/23 06:28

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-35

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		0.50	ug/L			04/10/23 16:40	1
Copper	100		1.0	ug/L			04/10/23 16:40	1

Lab Chronicle

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

Job ID: 810-57977-1

Client Sample ID: 105-DW-01

Date Collected: 03/23/23 04:50

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-1

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	54816	NB	EA SB	04/10/23 14:46

Client Sample ID: 105-DW-02

Date Collected: 03/23/23 04:52

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-2

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	54816	NB	EA SB	04/10/23 14:48

Client Sample ID: 105-DW-03

Date Collected: 03/23/23 04:56

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-3

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	54816	NB	EA SB	04/10/23 14:57

Client Sample ID: 105-DW-04

Date Collected: 03/23/23 04:56

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-4

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	54816	NB	EA SB	04/10/23 14:59

Client Sample ID: 105-DW-05

Date Collected: 03/23/23 05:00

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-5

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	54816	NB	EA SB	04/10/23 15:01

Client Sample ID: 105-DW-06

Date Collected: 03/23/23 05:03

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-6

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	54816	NB	EA SB	04/10/23 15:07

Client Sample ID: 105-DW-07

Date Collected: 03/23/23 05:06

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-7

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	54816	NB	EA SB	04/10/23 15:09

Lab Chronicle

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

Job ID: 810-57977-1

Client Sample ID: 105-DW-08

Date Collected: 03/23/23 05:08

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-8

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	54816	NB	EA SB	04/10/23 15:10

Client Sample ID: 105-DW-09

Date Collected: 03/23/23 05:10

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-9

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	54816	NB	EA SB	04/10/23 15:12

Client Sample ID: 105-DW-10

Date Collected: 03/23/23 05:12

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-10

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	54816	NB	EA SB	04/10/23 15:14

Client Sample ID: 105-DW-11

Date Collected: 03/23/23 05:18

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-11

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	54816	NB	EA SB	04/10/23 15:16

Client Sample ID: 105-DW-12

Date Collected: 03/23/23 05:20

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-12

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	54816	NB	EA SB	04/10/23 15:18

Client Sample ID: 105-DW-13

Date Collected: 03/23/23 05:24

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-13

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	54816	NB	EA SB	04/10/23 15:23

Client Sample ID: 105-DW-14

Date Collected: 03/23/23 05:27

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-14

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	54816	NB	EA SB	04/10/23 15:25

Lab Chronicle

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

Job ID: 810-57977-1

Client Sample ID: 105-DW-15

Date Collected: 03/23/23 05:29

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-15

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	54816	NB	EA SB	04/10/23 15:27

Client Sample ID: 105-DW-16

Date Collected: 03/23/23 05:31

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-16

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	54816	NB	EA SB	04/10/23 15:29

Client Sample ID: 105-DW-17

Date Collected: 03/23/23 05:35

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-17

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	54816	NB	EA SB	04/10/23 15:31

Client Sample ID: 105-DW-18

Date Collected: 03/23/23 05:38

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-18

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	54816	NB	EA SB	04/10/23 15:33

Client Sample ID: 105-DW-19

Date Collected: 03/23/23 05:40

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-19

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	54816	NB	EA SB	04/10/23 16:03

Client Sample ID: 105-DW-20

Date Collected: 03/23/23 05:43

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-20

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	54816	NB	EA SB	04/10/23 16:04

Client Sample ID: 105-DW-21

Date Collected: 03/23/23 05:46

Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-21

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	54816	NB	EA SB	04/10/23 16:06

Lab Chronicle

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

Job ID: 810-57977-1

Client Sample ID: 105-DW-22
Date Collected: 03/23/23 05:46
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-22
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	54816	NB	EA SB	04/10/23 16:08

Client Sample ID: 105-DW-23
Date Collected: 03/23/23 05:50
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-23
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	54816	NB	EA SB	04/10/23 16:10

Client Sample ID: 105-DW-24
Date Collected: 03/23/23 05:52
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-24
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	54816	NB	EA SB	04/10/23 16:12

Client Sample ID: 105-DW-25
Date Collected: 03/23/23 05:54
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-25
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	54816	NB	EA SB	04/10/23 16:14

Client Sample ID: 105-DW-26
Date Collected: 03/23/23 05:56
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-26
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	54816	NB	EA SB	04/10/23 16:19

Client Sample ID: 105-DW-28
Date Collected: 03/23/23 06:00
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-27
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	54816	NB	EA SB	04/10/23 16:21

Client Sample ID: 105-DW-29
Date Collected: 03/23/23 06:04
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-28
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	54816	NB	EA SB	04/10/23 16:23

Lab Chronicle

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

Job ID: 810-57977-1

Client Sample ID: 105-DW-30
Date Collected: 03/23/23 06:08
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-29
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	54816	NB	EA SB	04/10/23 16:25

Client Sample ID: 105-DW-31
Date Collected: 03/23/23 06:15
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-30
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	54816	NB	EA SB	04/10/23 16:31

Client Sample ID: 105-DW-32
Date Collected: 03/23/23 06:20
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-31
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	54816	NB	EA SB	04/10/23 16:32

Client Sample ID: 105-DW-33
Date Collected: 03/23/23 06:20
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-32
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	54816	NB	EA SB	04/10/23 16:34

Client Sample ID: 105-DW-34
Date Collected: 03/23/23 06:23
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-33
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	54816	NB	EA SB	04/10/23 16:36

Client Sample ID: 105-DW-35
Date Collected: 03/23/23 06:25
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-34
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	54816	NB	EA SB	04/10/23 16:38

Client Sample ID: 105-DW-36
Date Collected: 03/23/23 06:28
Date Received: 03/30/23 16:00

Lab Sample ID: 810-57977-35
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	54816	NB	EA SB	04/10/23 16:40

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: Burns & McDonnell

Job ID: 810-57977-1

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: Burns & McDonnell

Job ID: 810-57977-1

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: Burns & McDonnell

Job ID: 810-57977-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-57977-1	105-DW-01	Drinking Water	03/23/23 04:50	03/30/23 16:00
810-57977-2	105-DW-02	Drinking Water	03/23/23 04:52	03/30/23 16:00
810-57977-3	105-DW-03	Drinking Water	03/23/23 04:56	03/30/23 16:00
810-57977-4	105-DW-04	Drinking Water	03/23/23 04:56	03/30/23 16:00
810-57977-5	105-DW-05	Drinking Water	03/23/23 05:00	03/30/23 16:00
810-57977-6	105-DW-06	Drinking Water	03/23/23 05:03	03/30/23 16:00
810-57977-7	105-DW-07	Drinking Water	03/23/23 05:06	03/30/23 16:00
810-57977-8	105-DW-08	Drinking Water	03/23/23 05:08	03/30/23 16:00
810-57977-9	105-DW-09	Drinking Water	03/23/23 05:10	03/30/23 16:00
810-57977-10	105-DW-10	Drinking Water	03/23/23 05:12	03/30/23 16:00
810-57977-11	105-DW-11	Drinking Water	03/23/23 05:18	03/30/23 16:00
810-57977-12	105-DW-12	Drinking Water	03/23/23 05:20	03/30/23 16:00
810-57977-13	105-DW-13	Drinking Water	03/23/23 05:24	03/30/23 16:00
810-57977-14	105-DW-14	Drinking Water	03/23/23 05:27	03/30/23 16:00
810-57977-15	105-DW-15	Drinking Water	03/23/23 05:29	03/30/23 16:00
810-57977-16	105-DW-16	Drinking Water	03/23/23 05:31	03/30/23 16:00
810-57977-17	105-DW-17	Drinking Water	03/23/23 05:35	03/30/23 16:00
810-57977-18	105-DW-18	Drinking Water	03/23/23 05:38	03/30/23 16:00
810-57977-19	105-DW-19	Drinking Water	03/23/23 05:40	03/30/23 16:00
810-57977-20	105-DW-20	Drinking Water	03/23/23 05:43	03/30/23 16:00
810-57977-21	105-DW-21	Drinking Water	03/23/23 05:46	03/30/23 16:00
810-57977-22	105-DW-22	Drinking Water	03/23/23 05:46	03/30/23 16:00
810-57977-23	105-DW-23	Drinking Water	03/23/23 05:50	03/30/23 16:00
810-57977-24	105-DW-24	Drinking Water	03/23/23 05:52	03/30/23 16:00
810-57977-25	105-DW-25	Drinking Water	03/23/23 05:54	03/30/23 16:00
810-57977-26	105-DW-26	Drinking Water	03/23/23 05:56	03/30/23 16:00
810-57977-27	105-DW-28	Drinking Water	03/23/23 06:00	03/30/23 16:00
810-57977-28	105-DW-29	Drinking Water	03/23/23 06:04	03/30/23 16:00
810-57977-29	105-DW-30	Drinking Water	03/23/23 06:08	03/30/23 16:00
810-57977-30	105-DW-31	Drinking Water	03/23/23 06:15	03/30/23 16:00
810-57977-31	105-DW-32	Drinking Water	03/23/23 06:20	03/30/23 16:00
810-57977-32	105-DW-33	Drinking Water	03/23/23 06:20	03/30/23 16:00
810-57977-33	105-DW-34	Drinking Water	03/23/23 06:23	03/30/23 16:00
810-57977-34	105-DW-35	Drinking Water	03/23/23 06:25	03/30/23 16:00
810-57977-35	105-DW-36	Drinking Water	03/23/23 06:28	03/30/23 16:00

CHAIN OF CUSTODY RECORD

Eaton Analytical

EUROFINS EATON ANALYTICAL USE ONLY

750 Royal Oaks Drive, Suite 100
 Monrovia, CA 91016-3629
 Phone: 626 386 1100
 Fax: 626 386 1101
 800 566 LABS (800 566 5227)
 Website: <http://www.eurofinsus.com/Eaton>

LOG IN COMMENTS: _____

SAMPLES CHECKED AGAINST COC BY: _____

SAMPLES LOGGED IN BY: _____

SAMPLE TEMP RECEIVED AT: _____

IR Gun ID = _____ (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C) (check for yes)

IR Gun ID = _____ (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C) (check for yes)

Compliance Acceptance Criteria: (Chemistry: 4 ± 2 °C) (Microbiology: < 10 °C)

TYPE OF ICE: Real _____ Synthetic _____ No Ice _____ CONDITION OF ICE: Frozen _____ Partially Frozen _____ Thawed _____ N/A _____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: Burns & McDonnell PROJECT CODE: 121244

capulcher@burnsmed.com

EEA CLIENT CODE: _____ COC ID: _____ SAMPLE GROUP: GFC

TAT requested: rush by adv notice only

STD 1 wk 3 day 2 day 1 day

COMPLIANCE SAMPLES (check for yes) NON-COMPLIANCE SAMPLES (check for yes)

REGULATION INVOLVED: _____ (eg. SDWA, NPDES, etc.)

SEE ATTACHED KIT ORDER FOR ANALYSES

List ALL ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX	Turnaround Time	# of Container	COMPLIANCE SAMPLES	NON-COMPLIANCE SAMPLES	SAMPLER COMMENTS
3/23/23	0450	105-DW-01		DW	SW	1	X		Chlorinated
3/23/23	0452	105-DW-02		DW	SW	1	X		Chlorinated
3/23/23	0454	105-DW-03		DW	SW	1	X		Chlorinated
3/23/23	0454	105-DW-04		DW	SW	1	X		Chlorinated
3/23/23	0500	105-DW-05		DW	SW	1	X		Chlorinated
3/23/23	1503	105-DW-06		DW	SW	1	X		Chlorinated
3/23/23	0504	105-DW-07		DW	SW	1	X		Chlorinated
3/23/23	0508	105-DW-08		DW	SW	1	X		Chlorinated
3/23/23	0510	105-DW-09		DW	SW	1	X		Chlorinated
3/23/23	0512	105-DW-10		DW	SW	1	X		Chlorinated

* MATRIX TYPES: RSW = Raw Surface Water CFW = Chlor(am)inated Finished Water SEAW = Sea Water BW = Bottled Water SO = Soil O = Other - Please Identify
 RGW = Raw Ground Water FW = Other Finished Water WW = Waste Water SW = Storm Water SL = Sludge

SAMPLED BY: _____ PRINT NAME: _____ DATE: 3-27-23 TIME: _____

RELINQUISHED BY: _____ COMPANY/TITLE: _____

RECEIVED BY: _____ SIGNATURE: _____ DATE: 3/30/23 TIME: 1600

RELINQUISHED BY: _____ SIGNATURE: _____

RECEIVED BY: _____ SIGNATURE: _____

* Sample 105-DW-07 arrived empty with the water from bottle in the cooler * RW 03136123



Eaton Analytical

CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY

750 Royal Oaks Drive, Suite 100
 Monrovia, CA 91016-3629
 Phone: 626 386 1100
 Fax: 626 386 1101
 800 566 LABS (800 566 5227)
 Website:
<http://www.eurofinsus.com/Eaton>

LOG IN COMMENTS: _____

SAMPLES CHECKED AGAINST COC BY: _____

SAMPLES LOGGED IN BY: _____

SAMPLE TEMP RECEIVED AT: _____

IR Gun ID = _____ (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C) (check for yes)

Monrovia IR Gun ID = _____ (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)

Compliance Acceptance Criteria: (Chemistry: 4 ± 2 °C) (Microbiology: < 10 °C)

TYPE OF ICE: Real _____ Synthetic _____ No Ice _____ CONDITION OF ICE: Frozen _____ Partially Frozen _____ Thawed _____ N/A _____

METHOD OF SHIPMENT: Pick-Up / Walk-in / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: Burns & McDonnell PROJECT CODE: 121244

capulcher@burnsmcd.com

EEA CLIENT CODE: _____ COC ID: _____ SAMPLE GROUP: GFC

TAT requested: rush by adv notice only

STP 1 wk 3 day 2 day 1 day

COMPLIANCE SAMPLES (check for yes) NON-COMPLIANCE SAMPLES (check for yes)

REGULATION INVOLVED: _____ (eg. SDWA, NPDES, etc.)

SEE ATTACHED KIT ORDER FOR ANALYSES

List ALL ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX		# of Container	SAMPLER COMMENTS
				Turnaround Time			
3/23/23	0518	105 - DW-11		DW	SW	1	Chlorinated
3/23/23	0520	105 - DW-12		DW	SW	1	Chlorinated
3/23/23	0524	105 - DW-13		DW	SW	1	Chlorinated
3/23/23	0527	105 - DW-14		DW	SW	1	Chlorinated
3/23/23	0529	105 - DW-15		DW	SW	1	Chlorinated
3/23/23	0531	105 - DW-16		DW	SW	1	Chlorinated
3/23/23	0535	105 - DW-17		DW	SW	1	Chlorinated
3/23/23	0538	105 - DW-18		DW	SW	1	Chlorinated
3/23/23	0540	105 - DW-19		DW	SW	1	Chlorinated
3/23/23	0548	105 - DW-20		DW	SW	1	Chlorinated

* MATRIX TYPES: RSW = Raw Surface Water CFW = Chlor(amin)ated Finished Water SEAW = Sea Water BW = Bottled Water SO = Soil O = Other - Please Identify
 RGW = Raw Ground Water FW = Other Finished Water WW = Waste Water SW = Storm Water SL = Sludge

SIGNED BY: _____ SIGNATURE _____ PRINT NAME _____ DATE _____ TIME _____

RECEIVED BY: (9) _____

RECEIVED BY: (9) *Kameron Williams*

RECEIVED BY: (9) _____

RECEIVED BY: _____



Eaton Analytical

EUROFINS EATON ANALYTICAL USE ONLY

CHAIN OF CUSTODY RECORD

750 Royal Oaks Drive, Suite 100
 Monrovia, CA 91016-3629

Phone: 626 386 1100
 Fax: 626 386 1101

800 566 LABS (800 566 5227)

Website:
<http://www.eurofinsus.com/Eaton>

LOGIN COMMENTS: _____ SAMPLES CHECKED AGAINST COC BY: _____
 SAMPLES LOGGED IN BY: _____

SAMPLE TEMP RECEIVED AT:
 (Other) IR Gun ID = _____ (Observation = _____ °C) (Corr. Factor _____ °C) (Final = _____ °C)
 Monrovia IR Gun ID = _____ (Observation = _____ °C) (Corr. Factor _____ °C) (Final = _____ °C)
Compliance Acceptance Criteria: (Thermistry: 4 ± 2 °C) (Microbiology: < 10⁴ C)

TYPE OF ICE: Real _____ Synthetic _____ No Ice _____ CONDITION OF ICE: Frozen _____ Partially Frozen _____ Thawed _____ N/A _____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: **Burns & McDonnell**

capulcher@burnsmcd.com

PROJECT CODE: **121244**

EEA CLIENT CODE: _____ COC ID: _____

SAMPLE GROUP: **GFC**

TAT requested: rush by adv notice only
 STD 1 wk 3 day 2 day 1 day

COMPLIANCE SAMPLES (check for yes) _____ NON-COMPLIANCE SAMPLES (check for yes) _____
 - Requires state forms _____ REGULATION INVOLVED: _____ (eg. SDWA, NPDES, etc.)
 Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION _____
SEE ATTACHED KIT ORDER FOR ANALYSES
 List ALL ANALYSES REQUIRED (enter number of bottles sent for each test for each sample) _____ (check for yes), **OR** _____

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX *	Turnaround Time	# of Container	COMPLIANCE SAMPLES	NON-COMPLIANCE SAMPLES	SAMPLER COMMENTS
3/23/23	0546	105 - DW-21		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0546	105 - DW-22		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0550	105 - DW-23		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0562	105 - DW-24		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0554	105 - DW-25		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0554	105 - DW-26		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0557	105 - DW-27		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0606	105 - DW-28		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0604	105 - DW-29		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0608	105 - DW-30		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated

* MATRIX TYPES: **RSW** = Raw Surface Water **CFW** = Chlor(am)inated Finished Water **SEAW** = Sea Water **BW** = Bottled Water **SO** = Soil **O** = Other - Please Identify
RGW = Raw Ground Water **FW** = Other Finished Water **WW** = Waste Water **SW** = Storm Water **SL** = Sludge

SAMPLED BY: _____ SIGNATURE _____ PRINT NAME _____ DATE _____ TIME _____
 RELINQUISHED BY: _____
 RECEIVED BY: **(9)** _____
 RELINQUISHED BY: **(9)** _____
 RECEIVED BY: _____



Eaton Analytical

CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY

750 Royal Oaks Drive, Suite 100
 Monrovia, CA 91016-3629
 Phone: 626 386 1100
 Fax: 626 386 1101
 800 566 LABS (800 566 5227)
 Website:
<http://www.eurofinsus.com/Eaton>

LOGIN COMMENTS: _____

SAMPLES CHECKED AGAINST COC BY: _____

SAMPLES LOGGED IN BY: _____

SAMPLE TEMP RECEIVED AT:
 (Other) IR Gun ID = _____ (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)
 Monrovia IR Gun ID = _____ (Observation = _____ °C) (Corr. Factor = _____ °C) (Final = _____ °C)
Compliance Acceptance Criteria: (Chemistry: 4 ± 2 °C) (Microbiology: < 10⁴ C)

TYPE OF ICE: Real _____ Synthetic _____ No Ice _____ CONDITION OF ICE: Frozen _____ Partially Frozen _____ Thawed _____ N/A _____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: Burns & McDonnell PROJECT CODE: 121244

capulcher@burnsmcd.com

EEA CLIENT CODE: _____ COC ID: _____ SAMPLE GROUP: GFC

TAT requested: rush by adv notice only STD 1 wk _____ 3 day _____ 2 day _____ 1 day _____

COMPLIANCE SAMPLES (check for yes) NON-COMPLIANCE SAMPLES (check for yes)

- Requires state forms REGULATION INVOLVED: _____ (eg. SDWA, NPDES, etc.)

Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION

SEE ATTACHED KIT ORDER FOR ANALYSES

List ALL ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX	Turnaround Time	# of Container	COMPLIANCE	NON-COMPLIANCE	SAMPLER COMMENTS
3/23/23	0615	105 - DW-31		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0610	105 - DW-32		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0620	105 - DW-33		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0623	105 - DW-34		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0625	105 - DW-35		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated
3/23/23	0628	105 - DW-34		DW	SW	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorinated

* MATRIX TYPES: RSW = Raw Surface Water CFW = Chlor(am)inated Finished Water SEAW = Sea Water BW = Bottled Water SO = Soil O = Other - Please Identify
 RGW = Raw Ground Water FW = Other Finished Water WW = Waste Water SW = Storm Water SL = Sludge

SIGNATURE

SAMPLED BY: _____ PRINT NAME: _____

RELINQUISHED BY: _____

RECEIVED BY: _____

RELINQUISHED BY: _____

RECEIVED BY: _____

COMPANY/TITLE: _____ DATE: _____ TIME: _____

Login Sample Receipt Checklist

Client: Burns & McDonnell

Job Number: 810-57977-1

Login Number: 57977

List Number: 1

Creator: Williams, Kameron

List Source: Eurofins Eaton Analytical South Bend

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.	False	Refer to Job Narrative for details.
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
Chesterfield, Missouri 63017

Generated 4/28/2023 12:24:06 AM

JOB DESCRIPTION

GFC

JOB NUMBER

810-60774-1

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
4/28/2023 12:24:06 AM

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Lab Chronicle	7
Certification Summary	8
Method Summary	9
Sample Summary	10
Chain of Custody	11
Receipt Checklists	12

Definitions/Glossary

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-60774-1

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: GFC

Job ID: 810-60774-1

Job ID: 810-60774-1

Laboratory: Eurofins Eaton Analytical South Bend

Narrative

Job Narrative
810-60774-1

Receipt

The sample was received on 4/25/2023 9:00 AM. Unless otherwise noted below, the sample 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: 810-60774-1

Client Sample ID: 105-DW-27 Room 345

Lab Sample ID: 810-60774-1

Date Collected: 04/19/23 05:37

Matrix: Drinking Water

Date Received: 04/25/23 09:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.77		0.50	ug/L			04/27/23 18:26	1
Copper	76		1.0	ug/L			04/27/23 18:26	1

Lab Chronicle

Client: Burns & McDonnell
Project/Site: GFC

Job ID: 810-60774-1

Client Sample ID: 105-DW-27 Room 345

Lab Sample ID: 810-60774-1

Date Collected: 04/19/23 05:37

Matrix: Drinking Water

Date Received: 04/25/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	57016	NB	EA SB	04/27/23 18:26

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: 810-60774-1

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: 810-60774-1

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: 810-60774-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-60774-1	105-DW-27 Room 345	Drinking Water	04/19/23 05:37	04/25/23 09:00

1

2

3

4

5

6

7

8

9

10

11



Eaton Analytical

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



810-60774 Chain of Custody

www.eurofins.com/Eaton

CHAIN OF CUSTODY RECORD

Shaded area for EEA use only

REPORT TO: Alan Stuebe

4900 Ward Parkway

Kansas City, MO 64114

BILL TO: SAME

SAMPLER (Signature)

[Redacted Signature]

COMPLIANCE MONITORING

Yes

No

X

PROJECT NAME

GEC

STATE (sample origin)

MO

PROJECT NO.

101044

INSURANCE DISCHG

INSURANCE DISCHG

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

DATE

TIME

AM

PM

Login Sample Receipt Checklist

Client: Burns & McDonnell

Job Number: 810-60774-1

Login Number: 60774

List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Williams, Kameron

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	