



October 29, 2021
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. 104 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 104 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. 104 was conducted on September 15-16, 2021 by Ashley Anstaett of Burns & McDonnell and Kevin Heriford 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.

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Drinking water sampling for the presence of lead and copper was conducted at ten (10) distinct locations within Building 104. A total of eleven (11) samples were obtained including duplicate samples. After each drinking water sample was collected, Burns & McDonnell filled a separate sample cup with approximately 2 inches of water. Burns & McDonnell placed an Oakton pH30 pH tester into the sample cup. After readings stabilized, Burns & McDonnell recorded the 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	<1.0 µg/L	<1.0 µg/L	15 µg/L
Copper	31 µg/L	150 µg/L	1300 µg/L

Notes:

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

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

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

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



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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 104 ranged from 6.14 to 9.82 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,

Matt Shanahan, CHMM
Project Manager

Attachments:

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

APPENDIX A – RESULTS SUMMARY BY LOCATION

Appendix A

Results Summary by Location

Sample Number	Location	pH	Temp (°C)	Water Source	Analyte	Result	Units	Above / Below	AL
104-DW-01	2nd floor, break room, column D43	6.1	23.7	Sink	Copper	76	µg/L	Below	1300
104-DW-01	2nd floor, break room, column D43	6.1	23.7	Sink	Lead	< 1.0	µg/L	Below	15
104-DW-02	Duplicate of 104-DW-01	6.1	23.7	Sink	Copper	82	µg/L	Below	1300
104-DW-02	Duplicate of 104-DW-01	6.1	23.7	Sink	Lead	< 1.0	µg/L	Below	15
104-DW-03	2nd floor, Corner Café, column C37	8.7	24.4	Sink	Copper	82	µg/L	Below	1300
104-DW-03	2nd floor, Corner Café, column C37	8.7	24.4	Sink	Lead	< 1.0	µg/L	Below	15
104-DW-04	2nd floor, between columns B41 & B45	8.4	21.1	DF	Copper	39	µg/L	Below	1300
104-DW-04	2nd floor, between columns B41 & B45	8.4	21.1	DF	Lead	< 1.0	µg/L	Below	15
104-DW-05	2nd floor, break room, column B19	8.5	22.2	DF	Copper	52	µg/L	Below	1300
104-DW-05	2nd floor, break room, column B19	8.5	22.2	DF	Lead	< 1.0	µg/L	Below	15
104-DW-06	2nd floor, break room, column B19	8.9	23.8	Sink	Copper	31	µg/L	Below	1300
104-DW-06	2nd floor, break room, column B19	8.9	23.8	Sink	Lead	< 1.0	µg/L	Below	15
104-DW-07	2nd floor, near northern restrooms	9.4	16.0	DF	Copper	69	µg/L	Below	1300
104-DW-07	2nd floor, near northern restrooms	9.4	16.0	DF	Lead	< 1.0	µg/L	Below	15
104-DW-08	2nd floor, Limestone Lounge, column C44	9.8	23.1	Sink	Copper	150	µg/L	Below	1300
104-DW-08	2nd floor, Limestone Lounge, column C44	9.8	23.1	Sink	Lead	< 1.0	µg/L	Below	15
104-DW-09	2nd floor, break room, column F50	9.5	24.0	Sink	Copper	95	µg/L	Below	1300
104-DW-09	2nd floor, break room, column F50	9.5	24.0	Sink	Lead	< 1.0	µg/L	Below	15
104-DW-10	2nd floor, Hidden Valley, column B31	9.6	23.7	Sink	Copper	44	µg/L	Below	1300
104-DW-10	2nd floor, Hidden Valley, column B31	9.6	23.7	Sink	Lead	< 1.0	µg/L	Below	15
104-DW-11	2nd floor, column B31	9.7	26.7	L DF	Copper	71	µg/L	Below	1300
104-DW-11	2nd floor, column B31	9.7	26.7	L DF	Lead	< 1.0	µg/L	Below	15

Notes:

DF - Drinking Fountain

D - Duplicate

L/R - Left or Right

Dil - Dilution

AL - Action Level

µg/L - micrograms per liter

APPENDIX B – WATER SAMPLE LABORATORY REPORT

ANALYTICAL REPORT

Eurofins Eaton Analytical - South Bend
110 S Hill Street
South Bend, IN 46617
Tel: (574)233-4777

Laboratory Job ID: 810-3517-1
Client Project/Site: GFL

For:

Burns & McDonnell
425 South Woods Mill Road
Chesterfield, Missouri 63017

Attn: Mr. Matt Shanahan

(b) (6)

Authorized for release by:
10/18/2021 3:56:04 PM
Carol Webb, Client Program Manager
(850)471-6250
Carol.Webb@eurofinset.com
Designee for
Patricia Muff, Project Manager
(574)233-4777
patricia.muff@eurofinset.com

LINKS

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results through
TotalAccess

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Burns & McDonnell
Project/Site: GFL

Job ID: 810-3517-1

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: GFL

Job ID: 810-3517-1

Job ID: 810-3517-1

Laboratory: Eurofins Eaton Analytical - South Bend

Narrative

Job Narrative 810-3517-1

Comments

No additional comments.

Receipt

The samples were received on 9/27/2021 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Metals

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



Client Sample Results

Client: Burns & McDonnell
Project/Site: GFL

Job ID: 810-3517-1

Client Sample ID: 104-DW-01

Lab Sample ID: 810-3517-1

Date Collected: 09/15/21 06:40

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 02:42	1
Copper	76		1.0	ug/L			10/06/21 02:42	1

Client Sample ID: 104-DW-02

Lab Sample ID: 810-3517-2

Date Collected: 09/15/21 06:40

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 02:45	1
Copper	82		1.0	ug/L			10/06/21 02:45	1

Client Sample ID: 104-DW-03

Lab Sample ID: 810-3517-3

Date Collected: 09/15/21 06:46

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 02:48	1
Copper	82		1.0	ug/L			10/06/21 02:48	1

Client Sample ID: 104-DW-04

Lab Sample ID: 810-3517-4

Date Collected: 09/15/21 06:52

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 02:51	1
Copper	39		1.0	ug/L			10/06/21 02:51	1

Client Sample ID: 104-DW-05

Lab Sample ID: 810-3517-5

Date Collected: 09/15/21 07:01

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 02:54	1
Copper	52		1.0	ug/L			10/06/21 02:54	1

Client Sample ID: 104-DW-06

Lab Sample ID: 810-3517-6

Date Collected: 09/15/21 07:10

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 03:02	1
Copper	31		1.0	ug/L			10/06/21 03:02	1

Client Sample Results

Client: Burns & McDonnell
Project/Site: GFL

Job ID: 810-3517-1

Client Sample ID: 104-DW-07

Lab Sample ID: 810-3517-7

Date Collected: 09/15/21 07:10

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 03:05	1
Copper	69		1.0	ug/L			10/06/21 03:05	1

Client Sample ID: 104-DW-08

Lab Sample ID: 810-3517-8

Date Collected: 09/15/21 07:24

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 03:08	1
Copper	150		1.0	ug/L			10/06/21 03:08	1

Client Sample ID: 104-DW-09

Lab Sample ID: 810-3517-9

Date Collected: 09/16/21 07:00

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 03:11	1
Copper	95		1.0	ug/L			10/06/21 03:11	1

Client Sample ID: 104-DW-10

Lab Sample ID: 810-3517-10

Date Collected: 09/16/21 07:10

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 03:20	1
Copper	44		1.0	ug/L			10/06/21 03:20	1

Client Sample ID: 104-DW-11

Lab Sample ID: 810-3517-11

Date Collected: 09/16/21 07:11

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.0		1.0	ug/L			10/06/21 03:22	1
Copper	71		1.0	ug/L			10/06/21 03:22	1

Lab Chronicle

Client: Burns & McDonnell
Project/Site: GFL

Job ID: 810-3517-1

Client Sample ID: 104-DW-01

Date Collected: 09/15/21 06:40

Date Received: 09/27/21 15:30

Lab Sample ID: 810-3517-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 02:42	NB	EA SB

Client Sample ID: 104-DW-02

Date Collected: 09/15/21 06:40

Date Received: 09/27/21 15:30

Lab Sample ID: 810-3517-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 02:45	NB	EA SB

Client Sample ID: 104-DW-03

Date Collected: 09/15/21 06:46

Date Received: 09/27/21 15:30

Lab Sample ID: 810-3517-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 02:48	NB	EA SB

Client Sample ID: 104-DW-04

Date Collected: 09/15/21 06:52

Date Received: 09/27/21 15:30

Lab Sample ID: 810-3517-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 02:51	NB	EA SB

Client Sample ID: 104-DW-05

Date Collected: 09/15/21 07:01

Date Received: 09/27/21 15:30

Lab Sample ID: 810-3517-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 02:54	NB	EA SB

Client Sample ID: 104-DW-06

Date Collected: 09/15/21 07:10

Date Received: 09/27/21 15:30

Lab Sample ID: 810-3517-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 03:02	NB	EA SB

Client Sample ID: 104-DW-07

Date Collected: 09/15/21 07:10

Date Received: 09/27/21 15:30

Lab Sample ID: 810-3517-7

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 03:05	NB	EA SB

Lab Chronicle

Client: Burns & McDonnell
Project/Site: GFL

Job ID: 810-3517-1

Client Sample ID: 104-DW-08

Lab Sample ID: 810-3517-8

Date Collected: 09/15/21 07:24

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 03:08	NB	EA SB

Client Sample ID: 104-DW-09

Lab Sample ID: 810-3517-9

Date Collected: 09/16/21 07:00

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 03:11	NB	EA SB

Client Sample ID: 104-DW-10

Lab Sample ID: 810-3517-10

Date Collected: 09/16/21 07:10

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 03:20	NB	EA SB

Client Sample ID: 104-DW-11

Lab Sample ID: 810-3517-11

Date Collected: 09/16/21 07:11

Matrix: Drinking Water

Date Received: 09/27/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	4687	10/06/21 03:22	NB	EA SB

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: GFL

Job ID: 810-3517-1

Laboratory: Eurofins Eaton Analytical - South Bend

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	ISO/IEC 17025	5794.01	07-31-22
Alabama	State	40700	06-30-22
Alaska	State	IN00035	06-30-22
Arizona	State	AZ0432	07-26-22
Arkansas (DW)	State	EPA IN00035	06-30-22
California	State	2920	06-30-22
Colorado	State	IN00035	02-28-22
Connecticut	State	PH-0132	03-31-22
Delaware (DW)	State	IN00035	06-30-22
Florida	NELAP	E87775	06-30-22
Georgia (DW)	State	929	06-30-22
Hawaii	State	IN035	06-30-22
Idaho (DW)	State	IN00035	12-31-21
IL Dept. of Public Health (Micro)	State	17767	06-30-22
Illinois	NELAP	200001	09-30-22
Indiana	State	C-71-01	12-31-22
Indiana (Micro)	State	M-76-07	12-31-22
Iowa	State	IA Lab #098	11-01-21
Kansas	NELAP	E-10233	10-31-21
Kentucky (DW)	State	KY90056	12-31-21
Louisiana (DW)	State	LA180008	12-31-21
Maine	State	IN00035	05-01-23
Maryland	State	209	03-31-22
Massachusetts	State	M-IN035	06-30-22
MI - RadChem Recognition	State	9926	06-30-22
Michigan	State	9926	03-22-22
Minnesota	NELAP	1989807	12-31-21
Mississippi	State	IN00035	06-30-22
Montana (DW)	State	CERT0026	01-01-22
Nebraska	State	NE-OS-05-04	06-30-22
Nevada	State	IN000352021-1	08-01-22
New Hampshire	NELAP	2124	11-05-21
New Jersey	NELAP	IN598	06-30-22
New Mexico	State	IN00035	06-30-22
New York	NELAP	11398	04-01-22
North Carolina (DW)	State	18700	07-31-22
North Dakota	State	R-035	06-30-22
Ohio	State	87775	06-30-22
Oklahoma	NELAP	D9508	08-31-22
Oregon	NELAP	4156	09-16-22
Pennsylvania	NELAP	68-00466	04-30-22
Puerto Rico	State	IN00035	04-02-22
Rhode Island	State	LAO0034	12-31-21
South Carolina	State	95005001	06-30-21 *
South Dakota (DW)	State	IN00035	12-31-22
Tennessee	State	TN02973	06-30-22
Texas	NELAP	T104704187-20-4	12-31-21
Texas	TCEQ Water Supply	TX207	06-30-22
USEPA Reg X SDWA	US Federal Programs	IN00035	08-20-22
Utah	NELAP	IN000352020-13	07-31-21 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Burns & McDonnell
Project/Site: GFL

Job ID: 810-3517-1

Laboratory: Eurofins Eaton Analytical - South Bend (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Vermont	State	VT-8775	11-15-21
Virginia	NELAP	460275	03-14-22
Washington	State	C837	01-01-22
West Virginia (DW)	State	9927 C	12-31-21
Wisconsin	State	999766900	08-31-22
Wisconsin (Micro)	State	10121	12-31-21
Wyoming	State	8TMS-L	08-23-22



Method Summary

Client: Burns & McDonnell
Project/Site: GFL

Job ID: 810-3517-1

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



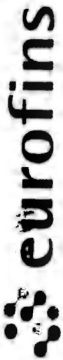
Sample Summary

Client: Burns & McDonnell
Project/Site: GFL

Job ID: 810-3517-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-3517-1	104-DW-01	Drinking Water	09/15/21 06:40	09/27/21 15:30
810-3517-2	104-DW-02	Drinking Water	09/15/21 06:40	09/27/21 15:30
810-3517-3	104-DW-03	Drinking Water	09/15/21 06:46	09/27/21 15:30
810-3517-4	104-DW-04	Drinking Water	09/15/21 06:52	09/27/21 15:30
810-3517-5	104-DW-05	Drinking Water	09/15/21 07:01	09/27/21 15:30
810-3517-6	104-DW-06	Drinking Water	09/15/21 07:10	09/27/21 15:30
810-3517-7	104-DW-07	Drinking Water	09/15/21 07:10	09/27/21 15:30
810-3517-8	104-DW-08	Drinking Water	09/15/21 07:24	09/27/21 15:30
810-3517-9	104-DW-09	Drinking Water	09/16/21 07:00	09/27/21 15:30
810-3517-10	104-DW-10	Drinking Water	09/16/21 07:10	09/27/21 15:30
810-3517-11	104-DW-11	Drinking Water	09/16/21 07:11	09/27/21 15:30





Eaton Analytical

www.eurolins.us.com/Eaton

CHAIN OF CUSTODY RECORD

Shaded area for EEA use only

REPORT TO: *enshelton@bassnet.com*
1400 Ward Parkway
Kansas City, MO 64114

BILL TO:

Same



810-3517 C0C

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

Order #

Batch #

Page 1 of 1

LAB Number	COLLECTION		SAMPLING SITE	COMPLIANCE MONITORING	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	FO#	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
	DATE	TIME										
1						N/A	MO	GFL	12244	1	DW SW	
2	9/15	0640	104-DW-01			N/A	MO	GFL	12244	1	DW SW	
3	9/15	0640	104-DW-02			N/A	MO	GFL	12244	1	DW SW	
4	9/15	0646	104-DW-03			N/A	MO	GFL	12244	1	DW SW	
5	9/15	0653	104-DW-04			N/A	MO	GFL	12244	1	DW SW	
6	9/15	0701	104-DW-05			N/A	MO	GFL	12244	1	DW SW	
7	9/15	0710	104-DW-06			N/A	MO	GFL	12244	1	DW SW	
8	9/15	0710	104-DW-07			N/A	MO	GFL	12244	1	DW SW	
9	9/15	0724	104-DW-08			N/A	MO	GFL	12244	1	DW SW	
10	9/16	0700	104-DW-09			N/A	MO	GFL	12244	1	DW SW	
11	9/16	0710	104-DW-10			N/A	MO	GFL	12244	1	DW SW	
12	9/16	0711	104-DW-11			N/A	MO	GFL	12244	1	DW SW	

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME	LAB COMMENTS
(b) (6)	9/24/21	1600				

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

RECEIVED BY: (Signature) _____ DATE _____ TIME _____ AM/PM

RECEIVED FOR LABORATORY BY: _____ DATE _____ TIME _____ AM/PM

CONDITIONS UPON RECEIPT (check one):
 Ambient
 Ambient
 Cold
 Warm
 Hot

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

UPON RECEIPT: _____ °C

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

TURN-AROUND TIME (TAT) - SURCHARGES
 SW = Standard Writen: (15 working days) 9% RW = Rush Writen: (5 working days)
 50% RW* = Rush Writen: (5 working days) 75%
 * Please call, expedited service not available for all testing

100%
 125%
 CALL
 CALL

Sample received unannounced with less than 48 hours holding time remaining may be subject to additional charges.
 06-LO-FOCS Issue 8.0 Effective Date: 2020-05

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: 810-3517-1

Login Number: 3517

List Source: Eurofins Eaton Analytical - South Bend

List Number: 1

Creator: DePriest, Kellie

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.	True	
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	