BURNS McDONNELL

April 8, 2022
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 22-23, 2022 by Ashley Anstaett of Burns & McDonnell & 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.

Drinking water sampling for the presence of lead and copper was conducted at thirty-nine (39) distinct locations within Building 105. A total of forty-four (44) 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	120 µg/L	15 µg/L
Copper	11 µg/L	350 µg/L	1300 µg/L

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

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

1. A sample taken from the sink along the north wall in lab room 325 on the second floor of building 105 had a lead concentration of 120 µg/L.

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

pH

Normal pH levels for drinking water are between 6.0 to 8.5. Water with a pH < 6.5 is considered acidic, soft, and corrosive. Acidic water may contain metal ions, may cause premature damage to

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 9.70 to 10.50 indicating the drinking water is slightly alkaline.

LIMITATIONS

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

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

Sincerely,

(b) (6)

Matt Shanahan, CHMM
Project Manager

Attachments:

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

APPENDIX A – RESULTS SUMMARY BY LOCATION

Appendix A
Results Summary by Location

Sample Number	Location	pH	Temp (°C)	Water Source	Analyte	Result	Units	Above / Below	AL
105-DW-01	2nd floor, south end by lab entrance	10.1	16.0	R DF	Copper	23	µg/L	Below	1300
105-DW-01	2nd floor, south end by lab entrance	10.1	16.0	R DF	Lead	< 0.50	µg/L	Below	15
105-DW-02	Duplicate of 105-DW-01	10.1	16.0	R DF D	Copper	20	µg/L	Below	1300
105-DW-02	Duplicate of 105-DW-01	10.1	16.0	R DF D	Lead	< 0.50	µg/L	Below	15
105-DW-03	2nd floor, lab room 360	10.2	18.2	Sink	Copper	56	µg/L	Below	1300
105-DW-03	2nd floor, lab room 360	10.2	18.2	Sink	Lead	1.4	µg/L	Below	15
105-DW-04	2nd floor, lab room 359, south wall	10.4	18.6	Sink	Copper	19	µg/L	Below	1300
105-DW-04	2nd floor, lab room 359, south wall	10.4	18.6	Sink	Lead	0.57	µg/L	Below	15
105-DW-05	2nd floor, lab room 356, northeast wall	10.4	19.0	Sink	Copper	34	µg/L	Below	1300
105-DW-05	2nd floor, lab room 356, northeast wall	10.4	19.0	Sink	Lead	2.6	µg/L	Below	15
105-DW-06	2nd floor, lab room 306, south island	10.2	20.7	Sink	Copper	51	µg/L	Below	1300
105-DW-06	2nd floor, lab room 306, south island	10.2	20.7	Sink	Lead	0.80	µg/L	Below	15
105-DW-07	2nd floor, lab room 306, north island	10.1	21.5	Sink	Copper	41	µg/L	Below	1300
105-DW-07	2nd floor, lab room 306, north island	10.1	21.5	Sink	Lead	0.88	µg/L	Below	15
105-DW-08	2nd floor, lab room 333	10.4	20.9	Sink	Copper	54	µg/L	Below	1300
105-DW-08	2nd floor, lab room 333	10.4	20.9	Sink	Lead	3.4	µg/L	Below	15
105-DW-09	2nd floor, lab room 319, north wall	10.4	18.6	Sink	Copper	22	µg/L	Below	1300
105-DW-09	2nd floor, lab room 319, north wall	10.4	18.6	Sink	Lead	1.3	µg/L	Below	15
105-DW-10	2nd floor, lab break room, west wall	10.1	21.5	North Sink	Copper	27	µg/L	Below	1300
105-DW-10	2nd floor, lab break room, west wall	10.1	21.5	North Sink	Lead	1.5	µg/L	Below	15
105-DW-11	2nd floor, lab break room, west wall	10.3	22.8	South Sink	Copper	14	µg/L	Below	1300
105-DW-11	2nd floor, lab break room, west wall	10.3	22.8	South Sink	Lead	1.0	µg/L	Below	15
105-DW-12	Duplicate of 105-DW-11	10.3	22.8	South Sink D	Copper	19	µg/L	Below	1300
105-DW-12	Duplicate of 105-DW-11	10.3	22.8	South Sink D	Lead	1.2	µg/L	Below	15
105-DW-13	2nd floor, lab room 325, north wall	10.1	22.6	Sink	Copper	51	µg/L	Below	1300
105-DW-13	2nd floor, lab room 325, north wall	10.1	22.6	Sink	Lead	120	µg/L	Above	15
105-DW-14	2nd floor, lab room 326, island	10.0	22.8	Sink	Copper	76	µg/L	Below	1300
105-DW-14	2nd floor, lab room 326, island	10.0	22.8	Sink	Lead	11	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, lab room 326, west wall	10.1	22.8	Sink	Copper	48	µg/L	Below	1300
105-DW-15	2nd floor, lab room 326, west wall	10.1	22.8	Sink	Lead	8.4	µg/L	Below	15
105-DW-16	1st floor, lactation room, column H12	10.1	20.6	Sink	Copper	94	µg/L	Below	1300
105-DW-16	1st floor, lactation room, column H12	10.1	20.6	Sink	Lead	1.8	µg/L	Below	15
105-DW-17	1st floor, column B6	10.2	18.1	L DF	Copper	120	µg/L	Below	1300
105-DW-17	1st floor, column B6	10.2	18.1	L DF	Lead	7.2	µg/L	Below	15
105-DW-18	1st floor, break room, column B9	10.3	18.2	Sink	Copper	350	µg/L	Below	1300
105-DW-18	1st floor, break room, column B9	10.3	18.2	Sink	Lead	3.8	µg/L	Below	15
105-DW-19	1st floor, column B19	10.2	14.9	R DF	Copper	57	µg/L	Below	1300
105-DW-19	1st floor, column B19	10.2	14.9	R DF	Lead	1.4	µg/L	Below	15
105-DW-20	1st floor, break room, column B20	10.4	17.9	Sink	Copper	63	µg/L	Below	1300
105-DW-20	1st floor, break room, column B20	10.4	17.9	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-21	1st floor, column B30	9.8	16.7	DF	Copper	20	µg/L	Below	1300
105-DW-21	1st floor, column B30	9.8	16.7	DF	Lead	< 0.50	µg/L	Below	15
105-DW-22	1st floor, column B43	10.0	19.7	L DF	Copper	75	µg/L	Below	1300
105-DW-22	1st floor, column B43	10.0	19.7	L DF	Lead	2.6	µg/L	Below	15
105-DW-23	Duplicate of 105-DW-22	10.0	19.7	L DF D	Copper	69	µg/L	Below	1300
105-DW-23	Duplicate of 105-DW-22	10.0	19.7	L DF D	Lead	2.7	µg/L	Below	15
105-DW-24	1st floor, break room, column G2	10.1	20.0	Sink	Copper	89	µg/L	Below	1300
105-DW-24	1st floor, break room, column G2	10.1	20.0	Sink	Lead	0.50	µg/L	Below	15
105-DW-25	2nd floor, column H8	10.2	21.2	R DF	Copper	93	µg/L	Below	1300
105-DW-25	2nd floor, column H8	10.2	21.2	R DF	Lead	1.2	µg/L	Below	15
105-DW-26	2nd floor, break room at column B17	10.2	20.2	Sink	Copper	42	µg/L	Below	1300
105-DW-26	2nd floor, break room at column B17	10.2	20.2	Sink	Lead	2.6	µg/L	Below	15
105-DW-27	2nd floor, column B19	10.3	16.8	L DF	Copper	54	µg/L	Below	1300
105-DW-27	2nd floor, column B19	10.3	16.8	L DF	Lead	< 0.50	µg/L	Below	15
105-DW-28	2nd floor, break room at column B30	10.3	20.1	Sink	Copper	34	µg/L	Below	1300
105-DW-28	2nd floor, break room at column B30	10.3	20.1	Sink	Lead	3.2	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, column B31	9.7	17.3	DF	Copper	110	µg/L	Below	1300
105-DW-29	2nd floor, column B31	9.7	17.3	DF	Lead	< 0.50	µg/L	Below	15
105-DW-30	2nd floor, east side of building by room 315M	10.2	15.4	L DF	Copper	57	µg/L	Below	1300
105-DW-30	2nd floor, east side of building by room 315M	10.2	15.4	L DF	Lead	1.9	µg/L	Below	15
105-DW-31	2nd floor, lab room 321, island	10.3	19.9	Sink	Copper	53	µg/L	Below	1300
105-DW-31	2nd floor, lab room 321, island	10.3	19.9	Sink	Lead	5.2	µg/L	Below	15
105-DW-32	Duplicate of 105-DW-31	10.3	19.9	Sink D	Copper	44	µg/L	Below	1300
105-DW-32	Duplicate of 105-DW-31	10.3	19.9	Sink D	Lead	3.3	µg/L	Below	15
105-DW-33	2nd floor, lab room 311, north wall	10.3	19.5	Sink	Copper	69	µg/L	Below	1300
105-DW-33	2nd floor, lab room 311, north wall	10.3	19.5	Sink	Lead	1.1	µg/L	Below	15
105-DW-34	2nd floor, lab room 312, south wall	10.3	19.8	Sink	Copper	38	µg/L	Below	1300
105-DW-34	2nd floor, lab room 312, south wall	10.3	19.8	Sink	Lead	0.87	µg/L	Below	15
105-DW-35	2nd floor, lab room 314, south wall	10.2	20.1	Sink	Copper	43	µg/L	Below	1300
105-DW-35	2nd floor, lab room 314, south wall	10.2	20.1	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-36	2nd floor, lab offices room 317*	10.3	20.4	Sink	Copper	19	µg/L	Below	1300
105-DW-36	2nd floor, lab offices room 317*	10.3	20.4	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-37	1st floor, warehouse, adjacent to "Discard Fridge"	10.2	19.0	Sink	Copper	45	µg/L	Below	1300
105-DW-37	1st floor, warehouse, adjacent to "Discard Fridge"	10.2	19.0	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-38	1st floor, warehouse, east wall between B46 and B47	10.2	19.2	Sink	Copper	53	µg/L	Below	1300
105-DW-38	1st floor, warehouse, east wall between B46 and B47	10.2	19.2	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-39	1st floor, warehouse, east wall between B47 and B48	10.3	19.1	Sink	Copper	96	µg/L	Below	1300
105-DW-39	1st floor, warehouse, east wall between B47 and B48	10.3	19.1	Sink	Lead	< 0.50	µg/L	Below	15
105-DW-40	1st floor, south lobby	10.2	17.5	L DF	Copper	99	µg/L	Below	1300
105-DW-40	1st floor, south lobby	10.2	17.5	L DF	Lead	0.66	µg/L	Below	15
105-DW-41	1st floor, south lobby	10.4	16.0	R DF	Copper	52	µg/L	Below	1300
105-DW-41	1st floor, south lobby	10.4	16.0	R DF	Lead	0.57	µg/L	Below	15
105-DW-42	Duplicate of 105-DW-41	10.4	16.0	R DF D	Copper	45	µg/L	Below	1300
105-DW-42	Duplicate of 105-DW-41	10.4	16.0	R DF D	Lead	0.96	µg/L	Below	15

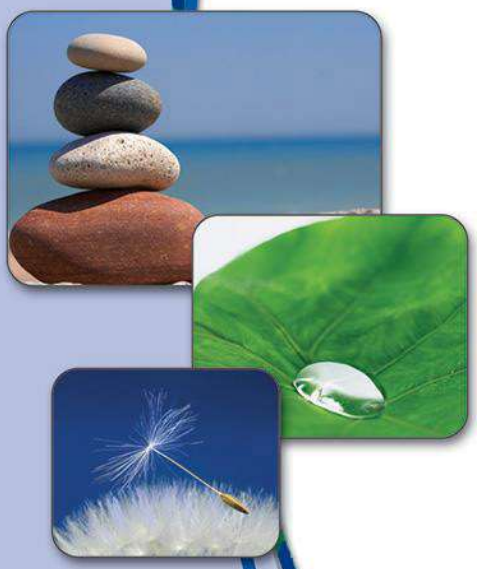
Appendix A
Results Summary by Location

Sample Number	Location	pH	Temp (°C)	Water Source	Analyte	Result	Units	Above / Below	AL
105-DW-43	2nd floor, lab room 347, south island	10.3	18.9	Sink	Copper	36	µg/L	Below	1300
105-DW-43	2nd floor, lab room 347, south island	10.3	18.9	Sink	Lead	1.1	µg/L	Below	15
105-DW-44	2nd floor, lab room 348, west wall	10.5	18.9	Sink	Copper	11	µg/L	Below	1300
105-DW-44	2nd floor, lab room 348, west wall	10.5	18.9	Sink	Lead	< 0.50	µg/L	Below	15

Notes:
* - Not first draw
DF - Drinking Fountain
D - Duplicate
L/R - Left or Right
AL - Action Level
µg/L - micrograms per liter

APPENDIX B – WATER SAMPLE LABORATORY REPORT

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 810-18907-1
Client Project/Site: 105-DW-01-44

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

Attn: Mr. Matt Shanahan

(b) (6) [redacted]

Authorized for release by:
3/30/2022 1:18:08 AM

Patricia Muff, Project Manager
(574)233-4777
patricia.muff@eurofinset.com

Table of Contents

Client: Burns & McDonnell
Job ID: 810-18907-1
Project/Site: 105-DW-01-44

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

Client Sample Results

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-01
Lab Sample ID: 810-18907-1
Date Collected: 03/22/22 05:28
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 14:59	1
Copper	**23**		1.0		ug/L			03/29/22 14:59	1

Client Sample ID: 105-DW-02
Lab Sample ID: 810-18907-2
Date Collected: 03/22/22 05:28
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 15:02	1
Copper	**20**		1.0		ug/L			03/29/22 15:02	1

Client Sample ID: 105-DW-03
Lab Sample ID: 810-18907-3
Date Collected: 03/22/22 05:34
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.4**		0.50		ug/L			03/29/22 15:04	1
Copper	**56**		1.0		ug/L			03/29/22 15:04	1

Client Sample ID: 105-DW-04
Lab Sample ID: 810-18907-4
Date Collected: 03/22/22 05:35
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.57**		0.50		ug/L			03/29/22 15:07	1
Copper	**19**		1.0		ug/L			03/29/22 15:07	1

Client Sample ID: 105-DW-05
Lab Sample ID: 810-18907-5
Date Collected: 03/22/22 05:38
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.6**		0.50		ug/L			03/29/22 15:10	1
Copper	**34**		1.0		ug/L			03/29/22 15:10	1

Client Sample ID: 105-DW-06
Lab Sample ID: 810-18907-6
Date Collected: 03/22/22 05:42
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.80**		0.50		ug/L			03/29/22 15:13	1
Copper	**51**		1.0		ug/L			03/29/22 15:13	1

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-07

Lab Sample ID: 810-18907-7

Date Collected: 03/22/22 05:43
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.88		0.50		ug/L			03/29/22 15:15	1
Copper	41		1.0		ug/L			03/29/22 15:15	1

Client Sample ID: 105-DW-08

Lab Sample ID: 810-18907-8

Date Collected: 03/22/22 05:45
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.4		0.50		ug/L			03/29/22 15:29	1
Copper	54		1.0		ug/L			03/29/22 15:29	1

Client Sample ID: 105-DW-09

Lab Sample ID: 810-18907-9

Date Collected: 03/22/22 05:47
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.3		0.50		ug/L			03/29/22 15:32	1
Copper	22		1.0		ug/L			03/29/22 15:32	1

Client Sample ID: 105-DW-10

Lab Sample ID: 810-18907-10

Date Collected: 03/22/22 05:51
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.5		0.50		ug/L			03/29/22 15:34	1
Copper	27		1.0		ug/L			03/29/22 15:34	1

Client Sample ID: 105-DW-11

Lab Sample ID: 810-18907-11

Date Collected: 03/22/22 05:53
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.0		0.50		ug/L			03/29/22 15:37	1
Copper	14		1.0		ug/L			03/29/22 15:37	1

Client Sample ID: 105-DW-12

Lab Sample ID: 810-18907-12

Date Collected: 03/22/22 05:53
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.50		ug/L			03/29/22 15:40	1
Copper	19		1.0		ug/L			03/29/22 15:40	1

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-13

Lab Sample ID: 810-18907-13

Date Collected: 03/22/22 05:58
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		0.50		ug/L			03/29/22 15:43	1
Copper	51		1.0		ug/L			03/29/22 15:43	1

Client Sample ID: 105-DW-14

Lab Sample ID: 810-18907-14

Date Collected: 03/22/22 06:00
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.50		ug/L			03/29/22 15:45	1
Copper	76		1.0		ug/L			03/29/22 15:45	1

Client Sample ID: 105-DW-15

Lab Sample ID: 810-18907-15

Date Collected: 03/22/22 06:02
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.4		0.50		ug/L			03/29/22 15:48	1
Copper	48		1.0		ug/L			03/29/22 15:48	1

Client Sample ID: 105-DW-16

Lab Sample ID: 810-18907-16

Date Collected: 03/22/22 06:29
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.8		0.50		ug/L			03/29/22 15:56	1
Copper	94		1.0		ug/L			03/29/22 15:56	1

Client Sample ID: 105-DW-17

Lab Sample ID: 810-18907-17

Date Collected: 03/22/22 06:33
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.2		0.50		ug/L			03/29/22 15:59	1
Copper	120		1.0		ug/L			03/29/22 15:59	1

Client Sample ID: 105-DW-18

Lab Sample ID: 810-18907-18

Date Collected: 03/22/22 06:35
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.8		0.50		ug/L			03/29/22 16:10	1
Copper	350		1.0		ug/L			03/29/22 16:10	1

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-19
Lab Sample ID: 810-18907-19
Date Collected: 03/22/22 06:39
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.4**		0.50		ug/L			03/29/22 16:13	1
Copper	**57**		1.0		ug/L			03/29/22 16:13	1

Client Sample ID: 105-DW-20
Lab Sample ID: 810-18907-20
Date Collected: 03/22/22 06:42
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 16:15	1
Copper	**63**		1.0		ug/L			03/29/22 16:15	1

Client Sample ID: 105-DW-21
Lab Sample ID: 810-18907-21
Date Collected: 03/22/22 06:49
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 16:18	1
Copper	**20**		1.0		ug/L			03/29/22 16:18	1

Client Sample ID: 105-DW-22
Lab Sample ID: 810-18907-22
Date Collected: 03/22/22 06:54
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.6**		0.50		ug/L			03/29/22 16:21	1
Copper	**75**		1.0		ug/L			03/29/22 16:21	1

Client Sample ID: 105-DW-23
Lab Sample ID: 810-18907-23
Date Collected: 03/22/22 06:54
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.7**		0.50		ug/L			03/29/22 16:29	1
Copper	**69**		1.0		ug/L			03/29/22 16:29	1

Client Sample ID: 105-DW-24
Lab Sample ID: 810-18907-24
Date Collected: 03/22/22 07:05
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.50**		0.50		ug/L			03/29/22 16:32	1
Copper	**89**		1.0		ug/L			03/29/22 16:32	1

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-25
Lab Sample ID: 810-18907-25
Date Collected: 03/23/22 04:37
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.2**		0.50		ug/L			03/29/22 16:34	1
Copper	**93**		1.0		ug/L			03/29/22 16:34	1

Client Sample ID: 105-DW-26
Lab Sample ID: 810-18907-26
Date Collected: 03/23/22 04:43
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.6**		0.50		ug/L			03/29/22 16:37	1
Copper	**42**		1.0		ug/L			03/29/22 16:37	1

Client Sample ID: 105-DW-27
Lab Sample ID: 810-18907-27
Date Collected: 03/23/22 04:49
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 16:40	1
Copper	**54**		1.0		ug/L			03/29/22 16:40	1

Client Sample ID: 105-DW-28
Lab Sample ID: 810-18907-28
Date Collected: 03/23/22 04:53
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.2**		0.50		ug/L			03/29/22 14:10	1
Copper	**34**		1.0		ug/L			03/29/22 14:10	1

Client Sample ID: 105-DW-29
Lab Sample ID: 810-18907-29
Date Collected: 03/23/22 04:54
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 14:12	1
Copper	**110**		1.0		ug/L			03/29/22 14:12	1

Client Sample ID: 105-DW-30
Lab Sample ID: 810-18907-30
Date Collected: 03/23/22 05:00
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.9**		0.50		ug/L			03/29/22 14:15	1
Copper	**57**		1.0		ug/L			03/29/22 14:15	1

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-31
Lab Sample ID: 810-18907-31
Date Collected: 03/23/22 05:04
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**5.2**		0.50		ug/L			03/29/22 14:21	1
Copper	**53**		1.0		ug/L			03/29/22 14:21	1

Client Sample ID: 105-DW-32
Lab Sample ID: 810-18907-32
Date Collected: 03/23/22 05:04
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.3**		0.50		ug/L			03/29/22 14:24	1
Copper	**44**		1.0		ug/L			03/29/22 14:24	1

Client Sample ID: 105-DW-33
Lab Sample ID: 810-18907-33
Date Collected: 03/23/22 05:09
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.1**		0.50		ug/L			03/29/22 14:26	1
Copper	**69**		1.0		ug/L			03/29/22 14:26	1

Client Sample ID: 105-DW-34
Lab Sample ID: 810-18907-34
Date Collected: 03/23/22 05:15
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.87**		0.50		ug/L			03/29/22 14:28	1
Copper	**38**		1.0		ug/L			03/29/22 14:28	1

Client Sample ID: 105-DW-35
Lab Sample ID: 810-18907-35
Date Collected: 03/23/22 05:16
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 14:30	1
Copper	**43**		1.0		ug/L			03/29/22 14:30	1

Client Sample ID: 105-DW-36
Lab Sample ID: 810-18907-36
Date Collected: 03/23/22 05:20
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 14:33	1
Copper	**19**		1.0		ug/L			03/29/22 14:33	1

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-37
Lab Sample ID: 810-18907-37
Date Collected: 03/23/22 05:26
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 14:35	1
Copper	**45**		1.0		ug/L			03/29/22 14:35	1

Client Sample ID: 105-DW-38
Lab Sample ID: 810-18907-38
Date Collected: 03/23/22 05:27
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 14:42	1
Copper	**53**		1.0		ug/L			03/29/22 14:42	1

Client Sample ID: 105-DW-39
Lab Sample ID: 810-18907-39
Date Collected: 03/23/22 05:28
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 14:44	1
Copper	**96**		1.0		ug/L			03/29/22 14:44	1

Client Sample ID: 105-DW-40
Lab Sample ID: 810-18907-40
Date Collected: 03/23/22 05:38
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.66**		0.50		ug/L			03/29/22 14:46	1
Copper	**99**		1.0		ug/L			03/29/22 14:46	1

Client Sample ID: 105-DW-41
Lab Sample ID: 810-18907-41
Date Collected: 03/23/22 05:39
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.57**		0.50		ug/L			03/29/22 14:48	1
Copper	**52**		1.0		ug/L			03/29/22 14:48	1

Client Sample ID: 105-DW-42
Lab Sample ID: 810-18907-42
Date Collected: 03/23/22 05:39
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.96**		0.50		ug/L			03/29/22 14:51	1
Copper	**45**		1.0		ug/L			03/29/22 14:51	1

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-43

Lab Sample ID: 810-18907-43

Date Collected: 03/23/22 05:46
Date Received: 03/25/22 08:45

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.1**		0.50		ug/L			03/29/22 14:53	1
Copper	**36**		1.0		ug/L			03/29/22 14:53	1

Client Sample ID: 105-DW-44

Lab Sample ID: 810-18907-44

Date Collected: 03/23/22 05:48
Date Received: 03/25/22 08:45

Matrix: Drinking Water

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			03/29/22 14:55	1
Copper	**11**		1.0		ug/L			03/29/22 14:55	1

Lab Chronicle

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-01
Lab Sample ID: 810-18907-1
Date Collected: 03/22/22 05:28
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 14:59	JK	EA SB

Client Sample ID: 105-DW-02
Lab Sample ID: 810-18907-2
Date Collected: 03/22/22 05:28
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:02	JK	EA SB

Client Sample ID: 105-DW-03
Lab Sample ID: 810-18907-3
Date Collected: 03/22/22 05:34
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:04	JK	EA SB

Client Sample ID: 105-DW-04
Lab Sample ID: 810-18907-4
Date Collected: 03/22/22 05:35
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:07	JK	EA SB

Client Sample ID: 105-DW-05
Lab Sample ID: 810-18907-5
Date Collected: 03/22/22 05:38
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:10	JK	EA SB

Client Sample ID: 105-DW-06
Lab Sample ID: 810-18907-6
Date Collected: 03/22/22 05:42
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:13	JK	EA SB

Client Sample ID: 105-DW-07
Lab Sample ID: 810-18907-7
Date Collected: 03/22/22 05:43
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:15	JK	EA SB

Lab Chronicle

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-08
Lab Sample ID: 810-18907-8
Date Collected: 03/22/22 05:45
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:29	JK	EA SB

Client Sample ID: 105-DW-09
Lab Sample ID: 810-18907-9
Date Collected: 03/22/22 05:47
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:32	JK	EA SB

Client Sample ID: 105-DW-10
Lab Sample ID: 810-18907-10
Date Collected: 03/22/22 05:51
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:34	JK	EA SB

Client Sample ID: 105-DW-11
Lab Sample ID: 810-18907-11
Date Collected: 03/22/22 05:53
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:37	JK	EA SB

Client Sample ID: 105-DW-12
Lab Sample ID: 810-18907-12
Date Collected: 03/22/22 05:53
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:40	JK	EA SB

Client Sample ID: 105-DW-13
Lab Sample ID: 810-18907-13
Date Collected: 03/22/22 05:58
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:43	JK	EA SB

Client Sample ID: 105-DW-14
Lab Sample ID: 810-18907-14
Date Collected: 03/22/22 06:00
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:45	JK	EA SB

Lab Chronicle

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-15
Lab Sample ID: 810-18907-15
Date Collected: 03/22/22 06:02
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:48	JK	EA SB

Client Sample ID: 105-DW-16
Lab Sample ID: 810-18907-16
Date Collected: 03/22/22 06:29
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:56	JK	EA SB

Client Sample ID: 105-DW-17
Lab Sample ID: 810-18907-17
Date Collected: 03/22/22 06:33
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 15:59	JK	EA SB

Client Sample ID: 105-DW-18
Lab Sample ID: 810-18907-18
Date Collected: 03/22/22 06:35
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 16:10	JK	EA SB

Client Sample ID: 105-DW-19
Lab Sample ID: 810-18907-19
Date Collected: 03/22/22 06:39
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 16:13	JK	EA SB

Client Sample ID: 105-DW-20
Lab Sample ID: 810-18907-20
Date Collected: 03/22/22 06:42
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 16:15	JK	EA SB

Client Sample ID: 105-DW-21
Lab Sample ID: 810-18907-21
Date Collected: 03/22/22 06:49
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 16:18	JK	EA SB

Lab Chronicle

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-22
Lab Sample ID: 810-18907-22
Date Collected: 03/22/22 06:54
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 16:21	JK	EA SB

Client Sample ID: 105-DW-23
Lab Sample ID: 810-18907-23
Date Collected: 03/22/22 06:54
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 16:29	JK	EA SB

Client Sample ID: 105-DW-24
Lab Sample ID: 810-18907-24
Date Collected: 03/22/22 07:05
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 16:32	JK	EA SB

Client Sample ID: 105-DW-25
Lab Sample ID: 810-18907-25
Date Collected: 03/23/22 04:37
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 16:34	JK	EA SB

Client Sample ID: 105-DW-26
Lab Sample ID: 810-18907-26
Date Collected: 03/23/22 04:43
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 16:37	JK	EA SB

Client Sample ID: 105-DW-27
Lab Sample ID: 810-18907-27
Date Collected: 03/23/22 04:49
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15819	03/29/22 16:40	JK	EA SB

Client Sample ID: 105-DW-28
Lab Sample ID: 810-18907-28
Date Collected: 03/23/22 04:53
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:10	JK	EA SB

Lab Chronicle

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-29
Lab Sample ID: 810-18907-29
Date Collected: 03/23/22 04:54
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:12	JK	EA SB

Client Sample ID: 105-DW-30
Lab Sample ID: 810-18907-30
Date Collected: 03/23/22 05:00
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:15	JK	EA SB

Client Sample ID: 105-DW-31
Lab Sample ID: 810-18907-31
Date Collected: 03/23/22 05:04
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:21	JK	EA SB

Client Sample ID: 105-DW-32
Lab Sample ID: 810-18907-32
Date Collected: 03/23/22 05:04
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:24	JK	EA SB

Client Sample ID: 105-DW-33
Lab Sample ID: 810-18907-33
Date Collected: 03/23/22 05:09
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:26	JK	EA SB

Client Sample ID: 105-DW-34
Lab Sample ID: 810-18907-34
Date Collected: 03/23/22 05:15
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:28	JK	EA SB

Client Sample ID: 105-DW-35
Lab Sample ID: 810-18907-35
Date Collected: 03/23/22 05:16
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:30	JK	EA SB

Lab Chronicle

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Client Sample ID: 105-DW-36
Lab Sample ID: 810-18907-36
Date Collected: 03/23/22 05:20
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:33	JK	EA SB

Client Sample ID: 105-DW-37
Lab Sample ID: 810-18907-37
Date Collected: 03/23/22 05:26
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:35	JK	EA SB

Client Sample ID: 105-DW-38
Lab Sample ID: 810-18907-38
Date Collected: 03/23/22 05:27
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:42	JK	EA SB

Client Sample ID: 105-DW-39
Lab Sample ID: 810-18907-39
Date Collected: 03/23/22 05:28
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:44	JK	EA SB

Client Sample ID: 105-DW-40
Lab Sample ID: 810-18907-40
Date Collected: 03/23/22 05:38
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:46	JK	EA SB

Client Sample ID: 105-DW-41
Lab Sample ID: 810-18907-41
Date Collected: 03/23/22 05:39
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:48	JK	EA SB

Client Sample ID: 105-DW-42
Lab Sample ID: 810-18907-42
Date Collected: 03/23/22 05:39
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:51	JK	EA SB

Lab Chronicle

Client: Burns & McDonnell
Job ID: 810-18907-1
Project/Site: 105-DW-01-44

Client Sample ID: 105-DW-43
Lab Sample ID: 810-18907-43

Date Collected: 03/23/22 05:46
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:53	JK	EA SB

Client Sample ID: 105-DW-44
Lab Sample ID: 810-18907-44

Date Collected: 03/23/22 05:48
Matrix: Drinking Water
Date Received: 03/25/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		1	15815	03/29/22 14:55	JK	EA SB

Laboratory References:

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

Accreditation/Certification Summary

Client: Burns & McDonnell
Job ID: 810-18907-1
Project/Site: 105-DW-01-44

Laboratory: Eurofins Eaton South Bend

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

Authority	Program	Identification Number	Expiration Date
Missouri	State	880	09-30-24

Method Summary

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

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 South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

Sample Summary

Client: Burns & McDonnell
Project/Site: 105-DW-01-44

Job ID: 810-18907-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-18907-1	105-DW-01	Drinking Water	03/22/22 05:28	03/25/22 08:45
810-18907-2	105-DW-02	Drinking Water	03/22/22 05:28	03/25/22 08:45
810-18907-3	105-DW-03	Drinking Water	03/22/22 05:34	03/25/22 08:45
810-18907-4	105-DW-04	Drinking Water	03/22/22 05:35	03/25/22 08:45
810-18907-5	105-DW-05	Drinking Water	03/22/22 05:38	03/25/22 08:45
810-18907-6	105-DW-06	Drinking Water	03/22/22 05:42	03/25/22 08:45
810-18907-7	105-DW-07	Drinking Water	03/22/22 05:43	03/25/22 08:45
810-18907-8	105-DW-08	Drinking Water	03/22/22 05:45	03/25/22 08:45
810-18907-9	105-DW-09	Drinking Water	03/22/22 05:47	03/25/22 08:45
810-18907-10	105-DW-10	Drinking Water	03/22/22 05:51	03/25/22 08:45
810-18907-11	105-DW-11	Drinking Water	03/22/22 05:53	03/25/22 08:45
810-18907-12	105-DW-12	Drinking Water	03/22/22 05:53	03/25/22 08:45
810-18907-13	105-DW-13	Drinking Water	03/22/22 05:58	03/25/22 08:45
810-18907-14	105-DW-14	Drinking Water	03/22/22 06:00	03/25/22 08:45
810-18907-15	105-DW-15	Drinking Water	03/22/22 06:02	03/25/22 08:45
810-18907-16	105-DW-16	Drinking Water	03/22/22 06:29	03/25/22 08:45
810-18907-17	105-DW-17	Drinking Water	03/22/22 06:33	03/25/22 08:45
810-18907-18	105-DW-18	Drinking Water	03/22/22 06:35	03/25/22 08:45
810-18907-19	105-DW-19	Drinking Water	03/22/22 06:39	03/25/22 08:45
810-18907-20	105-DW-20	Drinking Water	03/22/22 06:42	03/25/22 08:45
810-18907-21	105-DW-21	Drinking Water	03/22/22 06:49	03/25/22 08:45
810-18907-22	105-DW-22	Drinking Water	03/22/22 06:54	03/25/22 08:45
810-18907-23	105-DW-23	Drinking Water	03/22/22 06:54	03/25/22 08:45
810-18907-24	105-DW-24	Drinking Water	03/22/22 07:05	03/25/22 08:45
810-18907-25	105-DW-25	Drinking Water	03/23/22 04:37	03/25/22 08:45
810-18907-26	105-DW-26	Drinking Water	03/23/22 04:43	03/25/22 08:45
810-18907-27	105-DW-27	Drinking Water	03/23/22 04:49	03/25/22 08:45
810-18907-28	105-DW-28	Drinking Water	03/23/22 04:53	03/25/22 08:45
810-18907-29	105-DW-29	Drinking Water	03/23/22 04:54	03/25/22 08:45
810-18907-30	105-DW-30	Drinking Water	03/23/22 05:00	03/25/22 08:45
810-18907-31	105-DW-31	Drinking Water	03/23/22 05:04	03/25/22 08:45
810-18907-32	105-DW-32	Drinking Water	03/23/22 05:04	03/25/22 08:45
810-18907-33	105-DW-33	Drinking Water	03/23/22 05:09	03/25/22 08:45
810-18907-34	105-DW-34	Drinking Water	03/23/22 05:15	03/25/22 08:45
810-18907-35	105-DW-35	Drinking Water	03/23/22 05:16	03/25/22 08:45
810-18907-36	105-DW-36	Drinking Water	03/23/22 05:20	03/25/22 08:45
810-18907-37	105-DW-37	Drinking Water	03/23/22 05:26	03/25/22 08:45
810-18907-38	105-DW-38	Drinking Water	03/23/22 05:27	03/25/22 08:45
810-18907-39	105-DW-39	Drinking Water	03/23/22 05:28	03/25/22 08:45
810-18907-40	105-DW-40	Drinking Water	03/23/22 05:38	03/25/22 08:45
810-18907-41	105-DW-41	Drinking Water	03/23/22 05:39	03/25/22 08:45
810-18907-42	105-DW-42	Drinking Water	03/23/22 05:39	03/25/22 08:45
810-18907-43	105-DW-43	Drinking Water	03/23/22 05:46	03/25/22 08:45
810-18907-44	105-DW-44	Drinking Water	03/23/22 05:48	03/25/22 08:45

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Order # _____

Batch # _____

810-18907 Chain of Custody

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CHAIN OF CUSTODY RECORD

Page 1 of 94

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REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#
eapulcher@burnsmcd.com	(b) (6) [redacted]		MO	GFC	121244

BILL TO:	COMPLIANCE MONITORING	Yes	No	POPULATION SERVED	SOURCE WATER	Preservative Checks
same						

	LAB Number	COLLECTION DATE	TIME	AM	PM	SAMPLING SITE	TEST NAME	pH accep-table? √	Residual Chlorine (P/A)	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1		3-22-22	0528	X		105-DW-01	Lead + copper			X		1	DW	SW
2		3-22-22	0528	X		105-DW-02				X		1	DW	SW
3		3-22-22	0534	X		105-DW-03				X		1	DW	SW
4		3-22-22	0535	X		105-DW-04				X		1	DW	SW
5		3-22-22	0538	X		105-DW-05				X		1	DW	SW
6		3-22-22	0542	X		105-DW-06				X		1	DW	SW
7		3-22-22	0543	X		105-DW-07				X		1	DW	SW
8		3-22-22	0545	X		105-DW-08				X		1	DW	SW
9		3-22-22	0547	X		105-DW-09				X		1	DW	SW
10		3-22-22	0551	X		105-DW-10				X		1	DW	SW
11		3-22-22	0553	X		105-DW-11				X		1	DW	SW
12		3-22-22	0553	X		105-DW-12				X		1	DW	SW
13		3-22-22	0558	X		105-DW-13				X		1	DW	SW
14		3-22-22	0600	X		105-DW-14				X		1	DW	SW

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
(b) (6) [redacted]	3/24/22	1630 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM	(b) (6) [redacted]	03.25 2022	0845 AM PM

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

LAB COMMENTS

CONDITIONS UPON RECEIPT (check one): ____ Iced: Wet/Blue ____ Ambient _____ °C Upon Receipt____ N/A

MATRIX CODES:

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

TURN-AROUND TIME (TAT) - SURCHARGES

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

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

100% 125% CALL CALL

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

06-LO-F0435 Issue 8.0 Effective Date: 2020-05-15

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Batch # _____

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CHAIN OF CUSTODY RECORD

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REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#
capulcher@burnsmcd.com			MD	GFC	121244

BILL TO: SAWB	COMPLIANCE MONITORING	Yes	No	POPULATION SERVED	SOURCE WATER	Preservative Checks

	LAB Number	COLLECTION DATE	TIME	AM	PM	SAMPLING SITE	TEST NAME	pH accep-table? √	Residual Chlorine (P/A)	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1		3-22-22	0602	X		105-DW-15	Lead + Copper			X		1	DW	SW
2		3-22-22	0629	X		105-DW-16				X		1	DW	SW
3		3-22-22	0633	X		105-DW-17				X		1	DW	SW
4		3-22-22	0635	X		105-DW-18				X		1	DW	SW
5		3-22-22	0639	X		105-DW-19				X		1	DW	SW
6		3-22-22	0642	X		105-DW-20				X		1	DW	SW
7		3-22-22	0649	X		105-DW-21				X		1	DW	SW
8		3-22-22	0654	X		105-DW-22				X		1	DW	SW
9		3-22-22	0654	X		105-DW-23				X		1	DW	SW
10		3-22-22	0705	X		105-DW-24				X		1	DW	SW
11		3-23-22	0437			105-DW-25				X		1	DW	SW
12			0443			105-DW-26				X		1	DW	SW
13			0449			105-DW-27				X		1	DW	SW
14			0453			105-DW-28				X		1	DW	SW

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
(b) (6)	3/24/22	1630 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM			AM PM

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

LAB COMMENTS

CONDITIONS UPON RECEIPT (check one):
____ Iced: Wet/Blue ____ Ambient _____ °C Upon Receipt____ N/A

MATRIX CODES:

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

TURN-AROUND TIME (TAT) - SURCHARGES

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

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

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

06-LO-F0435 Issue 8.0 Effective Date: 2020-05-15

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Batch # _____

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CHAIN OF CUSTODY RECORD

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REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#

BILL TO:	COMPLIANCE MONITORING	Yes	No	POPULATION SERVED	SOURCE WATER	Preservative Checks

LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	pH accep-table? √	Residual Chlorine (P/A)	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	3-23-22	0454	✓		105 - DW - 29	Lead + Coppers			↓		1	DW	SW
2		0500			105 - DW - 30								
3		0504			105 - DW - 31								
4		0504			105 - DW - 32								
5		0509			105 - DW - 33								
6		0515			105 - DW - 34								
7		0516			105 - DW - 35								
8		0520			105 - DW - 36								
9		0526			105 - DW - 37								
10		0527			105 - DW - 38								
11		0528			105 - DW - 39								
12		0538			105 - DW - 40								
13		0539			105 - DW - 41								
14		0539			105 - DW - 42								

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
(b) (6) [redacted]	3/24/22	1430 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM			AM PM

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

LAB COMMENTS

CONDITIONS UPON RECEIPT (check one):
____ Iced: Wet/Blue ____ Ambient _____ °C Upon Receipt____ N/A

MATRIX CODES:

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

TURN-AROUND TIME (TAT) - SURCHARGES

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

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

100% 125% CALL CALL

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

06-LO-F0435 Issue 8.0 Effective Date: 2020-05-15

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

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Batch # _____

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CHAIN OF CUSTODY RECORD

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REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#

BILL TO:	COMPLIANCE MONITORING	Yes	No	POPULATION SERVED	SOURCE WATER	Preservative Checks

	LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	pH accep-table? √	Residual Chlorine (P/A)	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1		3-23-22	0546	✓		105 - DW - 43	Lead & Copper			X		1	DW	SW
2			0548	✓		105 - DW - 44				X		1	DW	SW
3														
4														
5														
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RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
(b) (6) [redacted]	3/24/22	1630 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM			AM PM

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

LAB COMMENTS

CONDITIONS UPON RECEIPT (check one):
____ Iced: Wet/Blue ____ Ambient _____ °C Upon Receipt____ N/A

MATRIX CODES:

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

TURN-AROUND TIME (TAT) - SURCHARGES

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

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

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

06-LO-F0435 Issue 8.0 Effective Date: 2020-05-15

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T: 1.800.332.4345
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810-18907 Chain of Custody

Order # _____

Batch # _____

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CHAIN OF CUSTODY RECORD

Page 1 of 94

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REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#
eapulcher@burnsmcd.com	(b) (6)		MO	GFC	121244

BILL TO:	COMPLIANCE MONITORING	Yes	No	POPULATION SERVED	SOURCE WATER	Preservative Checks
same						

LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	pH accep-table? √	Residual Chlorine (P/A)	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	3-22-22	0528	X		105-DW-01	Lead + copper			X		1	DW	SW
2	3-22-22	0529	X		105-DW-02				X		1	DW	SW
3	3-22-22	0534	X		105-DW-03				X		1	DW	SW
4	3-22-22	0535	X		105-DW-04				X		1	DW	SW
5	3-22-22	0538	X		105-DW-05				X		1	DW	SW
6	3-22-22	0542	X		105-DW-06				X		1	DW	SW
7	3-22-22	0543	X		105-DW-07				X		1	DW	SW
8	3-22-22	0545	X		105-DW-08				X		1	DW	SW
9	3-22-22	0547	X		105-DW-09				X		1	DW	SW
10	3-22-22	0551	X		105-DW-10				X		1	DW	SW
11	3-22-22	0553	X		105-DW-11				X		1	DW	SW
12	3-22-22	0553	X		105-DW-12				X		1	DW	SW
13	3-22-22	0558	X		105-DW-13				X		1	DW	SW
14	3-22-22	0600	X		105-DW-14				X		1	DW	SW

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME	LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT
(b) (6)	3/24/22	1630 AM PM			AM PM	LAB COMMENTS
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME	
		AM PM			AM PM	
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME	CONDITIONS UPON RECEIPT (check one): ___ Iced: Wet/Blue ___ Ambient _____ °C Upon Receipt____ N/A
		AM PM	(b) (6)	03·25 2022	0845 AM PM	

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%
RV* = Rush Verbal: (5 working days) 75%
* Please call, expedited service not available for all testing

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

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06-LO-F0435 Issue 8.0 Effective Date: 2020-05-15

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

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Batch # _____

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CHAIN OF CUSTODY RECORD

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REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#
capulcher@burnsmcd.com			MO	GFC	121244

BILL TO: SAME

COMPLIANCE MONITORING	Yes	No	POPULATION SERVED	SOURCE WATER	Preservative Checks

LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	pH accep-table? √	Residual Chlorine (P/A)	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	3-22-22	0602	X		105-DW-15	Lead + Copper			X		1	DW	SW
2	3-22-22	0629	X		105-DW-16				X		1	DW	SW
3	3-22-22	0633	X		105-DW-17				X		1	DW	SW
4	3-22-22	0635	X		105-DW-18				X		1	DW	SW
5	3-22-22	0639	X		105-DW-19				X		1	DW	SW
6	3-22-22	0642	X		105-DW-20				X		1	DW	SW
7	3-22-22	0649	X		105-DW-21				X		1	DW	SW
8	3-22-22	0654	X		105-DW-22				X		1	DW	SW
9	3-22-22	0654	X		105-DW-23				X		1	DW	SW
10	3-22-22	0705	X		105-DW-24				X		1	DW	SW
11	3-23-22	0437			105-DW-25				X		1	DW	SW
12		0443			105-DW-26				X		1	DW	SW
13		0449			105-DW-27				X		1	DW	SW
14		0453			105-DW-28				X		1	DW	SW

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
(b) (6)	3/24/22	1630 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM	(b) (6)	03 25 0845 2022	AM PM

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

LAB COMMENTS

CONDITIONS UPON RECEIPT (check one):
Iced: Wet/Blue ____ Ambient _____ °C Upon Receipt____ N/A

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

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

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

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06-LO-F0435 Issue 8.0 Effective Date: 2020-05-15

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Order # _____

Batch # _____

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CHAIN OF CUSTODY RECORD

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REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#

BILL TO:	COMPLIANCE MONITORING	Yes	No	POPULATION SERVED	SOURCE WATER	Preservative Checks

LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	pH accep-table? √	Residual Chlorine (P/A)	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	3-23-22	0454	✓		105 - DW - 29	Lead + Copper			↓		1	DW	SW
2	↓	0500	↓		105 - DW - 30	↓					↓	↓	↓
3		0504			105 - DW - 31								
4		0504			105 - DW - 32								
5		0509			105 - DW - 33								
6		0515			105 - DW - 34								
7		0516			105 - DW - 35								
8		0520			105 - DW - 36								
9		0526			105 - DW - 37								
10		0527			105 - DW - 38								
11		0528			105 - DW - 39								
12		0538			105 - DW - 40								
13		0539			105 - DW - 41								
14		0539			105 - DW - 42								

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
(b) (6) [redacted]	3/24/22	1630 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM	(b) (6) [redacted]	03-25-2022 0845	AM PM

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

LAB COMMENTS

CONDITIONS UPON RECEIPT (check one): ____ Iced: Wet/Blue ____ Ambient _____ °C Upon Receipt____ N/A

MATRIX CODES:

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

TURN-AROUND TIME (TAT) - SURCHARGES

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

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

	100%
	125%
	CALL
	CALL

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CHAIN OF CUSTODY RECORD

Page 4 of 4

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REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#

BILL TO:	COMPLIANCE MONITORING	Yes	No	POPULATION SERVED	SOURCE WATER	Preservative Checks

	LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	pH accep-table? √	Residual Chlorine (P/A)	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1		3-23-22	0546	✓		105 - DW - 43	Lead + Copper			X		1	DW	SW
2			0548	✓		105 - DW - 44				X		1	DW	SW
3														
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RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
(b) (6)	3/24/22	1630 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY: (b) (6)	DATE	TIME
		AM PM		03.25 2022	0846 AM PM

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

LAB COMMENTS

CONDITIONS UPON RECEIPT (check one):
____ Iced: Wet/Blue ____ Ambient ____ °C Upon Receipt____ N/A

MATRIX CODES:

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

TURN-AROUND TIME (TAT) - SURCHARGES

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

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

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Login Sample Receipt Checklist

Client: Burns & McDonnell

Job Number: 810-18907-1

Login Number: 18907
List Number: 1
Creator: Trott, Riley

List Source: Eurofins Eaton 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.	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	