

ANALYTICAL REPORT

PREPARED FOR

Attn: Ian St. John
St. John Environmental Consulting
5515 Grace Ave.
Saint Louis, Missouri 63116

Generated 2/26/2024 1:58:28 AM

JOB DESCRIPTION

Francis Howell School Dist/Barnwell Middle School

JOB NUMBER

810-94458-1

Eurofins Eaton Analytical South Bend

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

Authorization



Generated
2/26/2024 1:58:28 AM

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

Table of Contents

Cover Page 1

Table of Contents 3

Definitions/Glossary 4

Case Narrative 5

Detection Summary 6

Client Sample Results 9

QC Sample Results 14

QC Association Summary 17

Lab Chronicle 19

Certification Summary 24

Method Summary 25

Sample Summary 26

Chain of Custody 27

Receipt Checklists 33



Definitions/Glossary

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: St. John Environmental Consulting
Project: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Job ID: 810-94458-1

Eurofins Eaton Analytical South Bend

Job Narrative 810-94458-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 2/20/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Metals

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

Eurofins Eaton Analytical South Bend

Detection Summary

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Client Sample ID: BWM-1 Sink

Lab Sample ID: 810-94458-1

No Detections.

Client Sample ID: BWM-2 Sink

Lab Sample ID: 810-94458-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.79		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-3 WF

Lab Sample ID: 810-94458-3

No Detections.

Client Sample ID: BWM-4 WF

Lab Sample ID: 810-94458-4

No Detections.

Client Sample ID: BWM-5 ICE

Lab Sample ID: 810-94458-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.92		0.50		ug/L	1		200.8	Total Recoverable

Client Sample ID: BWM-6 Sink

Lab Sample ID: 810-94458-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.50		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-7 Sink

Lab Sample ID: 810-94458-7

No Detections.

Client Sample ID: BWM-8 WF

Lab Sample ID: 810-94458-8

No Detections.

Client Sample ID: BWM-9 WF

Lab Sample ID: 810-94458-9

No Detections.

Client Sample ID: BWM-10 Sink

Lab Sample ID: 810-94458-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.87		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-11 Sink

Lab Sample ID: 810-94458-11

No Detections.

Client Sample ID: BWM-12 Sink

Lab Sample ID: 810-94458-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.0		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-13 Sink

Lab Sample ID: 810-94458-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.68		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-14 WF

Lab Sample ID: 810-94458-14

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical South Bend

Detection Summary

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Client Sample ID: BWM-15 WF

Lab Sample ID: 810-94458-15

No Detections.

Client Sample ID: BWM-16 WF

Lab Sample ID: 810-94458-16

No Detections.

Client Sample ID: BWM-17 WF

Lab Sample ID: 810-94458-17

No Detections.

Client Sample ID: BWM-18 WF

Lab Sample ID: 810-94458-18

No Detections.

Client Sample ID: BWM-19 Sink

Lab Sample ID: 810-94458-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.90		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-20 Sink

Lab Sample ID: 810-94458-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.71		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-21 Sink

Lab Sample ID: 810-94458-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.1		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-22 Sink

Lab Sample ID: 810-94458-22

No Detections.

Client Sample ID: BWM-23 ICE

Lab Sample ID: 810-94458-23

No Detections.

Client Sample ID: BWM-24 WF

Lab Sample ID: 810-94458-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.88		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-25 WF

Lab Sample ID: 810-94458-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.98		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-26 Sink

Lab Sample ID: 810-94458-26

No Detections.

Client Sample ID: BWM-27 Sink

Lab Sample ID: 810-94458-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.71		0.50		ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical South Bend

Detection Summary

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Client Sample ID: BWM-28 Sink

Lab Sample ID: 810-94458-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.3		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-29 Sink

Lab Sample ID: 810-94458-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.64		0.50		ug/L	1		200.8	Total/NA

Client Sample ID: BWM-30 Sink

Lab Sample ID: 810-94458-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.2		0.50		ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical South Bend

Client Sample Results

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Client Sample ID: BWM-1 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-1

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 11:43	1

Client Sample ID: BWM-2 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-2

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.79		0.50		ug/L			02/23/24 11:52	1

Client Sample ID: BWM-3 WF

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-3

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 11:55	1

Client Sample ID: BWM-4 WF

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-4

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 11:58	1

Client Sample ID: BWM-5 ICE

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-5

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.92		0.50		ug/L		02/21/24 11:40	02/22/24 14:27	1

Client Sample ID: BWM-6 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-6

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.50		0.50		ug/L			02/23/24 12:01	1

Client Sample ID: BWM-7 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-7

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 12:03	1

Eurofins Eaton Analytical South Bend

Client Sample Results

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Client Sample ID: BWM-8 WF

Lab Sample ID: 810-94458-8

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 12:06	1

Client Sample ID: BWM-9 WF

Lab Sample ID: 810-94458-9

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 12:20	1

Client Sample ID: BWM-10 Sink

Lab Sample ID: 810-94458-10

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.87		0.50		ug/L			02/23/24 12:23	1

Client Sample ID: BWM-11 Sink

Lab Sample ID: 810-94458-11

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 12:32	1

Client Sample ID: BWM-12 Sink

Lab Sample ID: 810-94458-12

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.0		0.50		ug/L			02/23/24 12:34	1

Client Sample ID: BWM-13 Sink

Lab Sample ID: 810-94458-13

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.68		0.50		ug/L			02/23/24 12:37	1

Client Sample ID: BWM-14 WF

Lab Sample ID: 810-94458-14

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 12:40	1

Eurofins Eaton Analytical South Bend

Client Sample Results

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Client Sample ID: BWM-15 WF

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-15

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 12:43	1

Client Sample ID: BWM-16 WF

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-16

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 12:46	1

Client Sample ID: BWM-17 WF

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-17

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 12:49	1

Client Sample ID: BWM-18 WF

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-18

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 12:52	1

Client Sample ID: BWM-19 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-19

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.90		0.50		ug/L			02/23/24 13:00	1

Client Sample ID: BWM-20 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-20

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.71		0.50		ug/L			02/23/24 13:03	1

Client Sample ID: BWM-21 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-21

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.1		0.50		ug/L			02/23/24 13:06	1

Eurofins Eaton Analytical South Bend

Client Sample Results

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Client Sample ID: BWM-22 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-22

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 13:14	1

Client Sample ID: BWM-23 ICE

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-23

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 13:17	1

Client Sample ID: BWM-24 WF

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-24

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.88		0.50		ug/L			02/23/24 13:20	1

Client Sample ID: BWM-25 WF

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-25

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.98		0.50		ug/L			02/23/24 13:23	1

Client Sample ID: BWM-26 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-26

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 13:25	1

Client Sample ID: BWM-27 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-27

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.71		0.50		ug/L			02/23/24 13:28	1

Client Sample ID: BWM-28 Sink

Date Collected: 02/16/24 09:00

Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-28

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.3		0.50		ug/L			02/23/24 13:31	1

Eurofins Eaton Analytical South Bend

Client Sample Results

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Client Sample ID: BWM-29 Sink

Lab Sample ID: 810-94458-29

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.64		0.50		ug/L			02/23/24 13:45	1

Client Sample ID: BWM-30 Sink

Lab Sample ID: 810-94458-30

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.2		0.50		ug/L			02/23/24 13:48	1

QC Sample Results

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 810-89825/101

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 13:39	1

Lab Sample ID: MB 810-89825/11

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 09:26	1

Lab Sample ID: MB 810-89825/41

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 10:50	1

Lab Sample ID: MB 810-89825/71

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L			02/23/24 12:15	1

Lab Sample ID: LCS 810-89825/102

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	50.0	47.8		ug/L		96	85 - 115

Lab Sample ID: LCS 810-89825/42

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	50.0	48.9		ug/L		98	85 - 115

Lab Sample ID: LCS 810-89825/72

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	50.0	47.4		ug/L		95	85 - 115

QC Sample Results

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LLCS 810-89825/10

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			0.300	0.300	J	ug/L		100	50 - 150		

Lab Sample ID: 810-94458-1 MS

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: BWM-1 Sink

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	<0.50		50.0	48.4		ug/L		96	70 - 130		

Lab Sample ID: 810-94458-1 MSD

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: BWM-1 Sink

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	<0.50		50.0	48.9		ug/L		97	70 - 130	1	20

Lab Sample ID: 810-94458-10 MS

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: BWM-10 Sink

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	0.87		50.0	49.8		ug/L		98	70 - 130		

Lab Sample ID: 810-94458-10 MSD

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: BWM-10 Sink

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	0.87		50.0	49.9		ug/L		98	70 - 130	0	20

Lab Sample ID: 810-94458-21 MS

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: BWM-21 Sink

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	1.1		50.0	48.2		ug/L		94	70 - 130		

Lab Sample ID: 810-94458-21 MSD

Matrix: Drinking Water

Analysis Batch: 89825

Client Sample ID: BWM-21 Sink

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	1.1		50.0	48.3		ug/L		94	70 - 130	0	20

QC Sample Results

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 810-89458/1-A

Matrix: Drinking Water

Analysis Batch: 89662

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 89458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50		0.50		ug/L		02/21/24 11:40	02/22/24 13:46	1

Lab Sample ID: LCS 810-89458/6-A

Matrix: Drinking Water

Analysis Batch: 89662

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 89458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	50.0	51.3		ug/L		103	85 - 115

Lab Sample ID: LLCS 810-89458/2-A

Matrix: Drinking Water

Analysis Batch: 89662

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 89458

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.300	0.307	J	ug/L		102	50 - 150

QC Association Summary

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Metals

Prep Batch: 89458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-94458-5	BWM-5 ICE	Total Recoverable	Drinking Water	200.8	
MB 810-89458/1-A	Method Blank	Total Recoverable	Drinking Water	200.8	
LCS 810-89458/6-A	Lab Control Sample	Total Recoverable	Drinking Water	200.8	
LLCS 810-89458/2-A	Lab Control Sample	Total Recoverable	Drinking Water	200.8	

Analysis Batch: 89662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-94458-5	BWM-5 ICE	Total Recoverable	Drinking Water	200.8	89458
MB 810-89458/1-A	Method Blank	Total Recoverable	Drinking Water	200.8	89458
LCS 810-89458/6-A	Lab Control Sample	Total Recoverable	Drinking Water	200.8	89458
LLCS 810-89458/2-A	Lab Control Sample	Total Recoverable	Drinking Water	200.8	89458

Analysis Batch: 89825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-94458-1	BWM-1 Sink	Total/NA	Drinking Water	200.8	
810-94458-2	BWM-2 Sink	Total/NA	Drinking Water	200.8	
810-94458-3	BWM-3 WF	Total/NA	Drinking Water	200.8	
810-94458-4	BWM-4 WF	Total/NA	Drinking Water	200.8	
810-94458-6	BWM-6 Sink	Total/NA	Drinking Water	200.8	
810-94458-7	BWM-7 Sink	Total/NA	Drinking Water	200.8	
810-94458-8	BWM-8 WF	Total/NA	Drinking Water	200.8	
810-94458-9	BWM-9 WF	Total/NA	Drinking Water	200.8	
810-94458-10	BWM-10 Sink	Total/NA	Drinking Water	200.8	
810-94458-11	BWM-11 Sink	Total/NA	Drinking Water	200.8	
810-94458-12	BWM-12 Sink	Total/NA	Drinking Water	200.8	
810-94458-13	BWM-13 Sink	Total/NA	Drinking Water	200.8	
810-94458-14	BWM-14 WF	Total/NA	Drinking Water	200.8	
810-94458-15	BWM-15 WF	Total/NA	Drinking Water	200.8	
810-94458-16	BWM-16 WF	Total/NA	Drinking Water	200.8	
810-94458-17	BWM-17 WF	Total/NA	Drinking Water	200.8	
810-94458-18	BWM-18 WF	Total/NA	Drinking Water	200.8	
810-94458-19	BWM-19 Sink	Total/NA	Drinking Water	200.8	
810-94458-20	BWM-20 Sink	Total/NA	Drinking Water	200.8	
810-94458-21	BWM-21 Sink	Total/NA	Drinking Water	200.8	
810-94458-22	BWM-22 Sink	Total/NA	Drinking Water	200.8	
810-94458-23	BWM-23 ICE	Total/NA	Drinking Water	200.8	
810-94458-24	BWM-24 WF	Total/NA	Drinking Water	200.8	
810-94458-25	BWM-25 WF	Total/NA	Drinking Water	200.8	
810-94458-26	BWM-26 Sink	Total/NA	Drinking Water	200.8	
810-94458-27	BWM-27 Sink	Total/NA	Drinking Water	200.8	
810-94458-28	BWM-28 Sink	Total/NA	Drinking Water	200.8	
810-94458-29	BWM-29 Sink	Total/NA	Drinking Water	200.8	
810-94458-30	BWM-30 Sink	Total/NA	Drinking Water	200.8	
MB 810-89825/101	Method Blank	Total/NA	Drinking Water	200.8	
MB 810-89825/11	Method Blank	Total/NA	Drinking Water	200.8	
MB 810-89825/41	Method Blank	Total/NA	Drinking Water	200.8	
MB 810-89825/71	Method Blank	Total/NA	Drinking Water	200.8	
LCS 810-89825/102	Lab Control Sample	Total/NA	Drinking Water	200.8	
LCS 810-89825/42	Lab Control Sample	Total/NA	Drinking Water	200.8	
LCS 810-89825/72	Lab Control Sample	Total/NA	Drinking Water	200.8	

Eurofins Eaton Analytical South Bend

QC Association Summary

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Metals (Continued)

Analysis Batch: 89825 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 810-89825/10	Lab Control Sample	Total/NA	Drinking Water	200.8	
810-94458-1 MS	BWM-1 Sink	Total/NA	Drinking Water	200.8	
810-94458-1 MSD	BWM-1 Sink	Total/NA	Drinking Water	200.8	
810-94458-10 MS	BWM-10 Sink	Total/NA	Drinking Water	200.8	
810-94458-10 MSD	BWM-10 Sink	Total/NA	Drinking Water	200.8	
810-94458-21 MS	BWM-21 Sink	Total/NA	Drinking Water	200.8	
810-94458-21 MSD	BWM-21 Sink	Total/NA	Drinking Water	200.8	

Lab Chronicle

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Client Sample ID: BWM-1 Sink

Lab Sample ID: 810-94458-1

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 11:43

Client Sample ID: BWM-2 Sink

Lab Sample ID: 810-94458-2

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 11:52

Client Sample ID: BWM-3 WF

Lab Sample ID: 810-94458-3

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 11:55

Client Sample ID: BWM-4 WF

Lab Sample ID: 810-94458-4

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 11:58

Client Sample ID: BWM-5 ICE

Lab Sample ID: 810-94458-5

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			89458	NB	EA SB	02/21/24 11:40
Total Recoverable	Analysis	200.8		1	89662	NB	EA SB	02/22/24 14:27

Client Sample ID: BWM-6 Sink

Lab Sample ID: 810-94458-6

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:01

Client Sample ID: BWM-7 Sink

Lab Sample ID: 810-94458-7

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:03

Eurofins Eaton Analytical South Bend

Lab Chronicle

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Client Sample ID: BWM-8 WF

Lab Sample ID: 810-94458-8

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:06

Client Sample ID: BWM-9 WF

Lab Sample ID: 810-94458-9

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:20

Client Sample ID: BWM-10 Sink

Lab Sample ID: 810-94458-10

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:23

Client Sample ID: BWM-11 Sink

Lab Sample ID: 810-94458-11

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:32

Client Sample ID: BWM-12 Sink

Lab Sample ID: 810-94458-12

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:34

Client Sample ID: BWM-13 Sink

Lab Sample ID: 810-94458-13

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:37

Client Sample ID: BWM-14 WF

Lab Sample ID: 810-94458-14

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:40

Lab Chronicle

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Client Sample ID: BWM-15 WF

Lab Sample ID: 810-94458-15

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:43

Client Sample ID: BWM-16 WF

Lab Sample ID: 810-94458-16

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:46

Client Sample ID: BWM-17 WF

Lab Sample ID: 810-94458-17

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:49

Client Sample ID: BWM-18 WF

Lab Sample ID: 810-94458-18

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 12:52

Client Sample ID: BWM-19 Sink

Lab Sample ID: 810-94458-19

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:00

Client Sample ID: BWM-20 Sink

Lab Sample ID: 810-94458-20

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:03

Client Sample ID: BWM-21 Sink

Lab Sample ID: 810-94458-21

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:06

Eurofins Eaton Analytical South Bend

Lab Chronicle

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Client Sample ID: BWM-22 Sink

Lab Sample ID: 810-94458-22

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:14

Client Sample ID: BWM-23 ICE

Lab Sample ID: 810-94458-23

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:17

Client Sample ID: BWM-24 WF

Lab Sample ID: 810-94458-24

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:20

Client Sample ID: BWM-25 WF

Lab Sample ID: 810-94458-25

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:23

Client Sample ID: BWM-26 Sink

Lab Sample ID: 810-94458-26

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:25

Client Sample ID: BWM-27 Sink

Lab Sample ID: 810-94458-27

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:28

Client Sample ID: BWM-28 Sink

Lab Sample ID: 810-94458-28

Date Collected: 02/16/24 09:00

Matrix: Drinking Water

Date Received: 02/20/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:31

Eurofins Eaton Analytical South Bend

Lab Chronicle

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Client Sample ID: BWM-29 Sink
Date Collected: 02/16/24 09:00
Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-29
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:45

Client Sample ID: BWM-30 Sink
Date Collected: 02/16/24 09:00
Date Received: 02/20/24 09:30

Lab Sample ID: 810-94458-30
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	89825	NB	EA SB	02/23/24 13:48

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: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Laboratory: Eurofins Eaton Analytical South Bend

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle
School

Job ID: 810-94458-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EA SB
200.8	Preparation, Total Recoverable Metals	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: St. John Environmental Consulting
Project/Site: Francis Howell School Dist/Barnwell Middle School

Job ID: 810-94458-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-94458-1	BWM-1 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-2	BWM-2 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-3	BWM-3 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-4	BWM-4 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-5	BWM-5 ICE	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-6	BWM-6 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-7	BWM-7 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-8	BWM-8 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-9	BWM-9 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-10	BWM-10 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-11	BWM-11 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-12	BWM-12 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-13	BWM-13 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-14	BWM-14 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-15	BWM-15 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-16	BWM-16 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-17	BWM-17 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-18	BWM-18 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-19	BWM-19 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-20	BWM-20 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-21	BWM-21 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-22	BWM-22 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-23	BWM-23 ICE	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-24	BWM-24 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-25	BWM-25 WF	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-26	BWM-26 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-27	BWM-27 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-28	BWM-28 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-29	BWM-29 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30
810-94458-30	BWM-30 Sink	Drinking Water	02/16/24 09:00	02/20/24 09:30



Chain of Custody Record

1st Dean

35

Client Information		Sampler: <u>Dean St. John</u>		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact: <u>Dean Allison</u>		Phone: <u>314-853-4668</u>		E-Mail: <u>ian@stjohnenv.com</u>		State of Origin: <u>MO</u>		F Page 1 of 3	
Company: <u>Francis Howell School Dist.</u>		Address: <u>4606 Central School Road</u>		City: <u>St. Charles</u>		State: <u>MO</u>		Job #: <u>10/23</u>	
Phone: <u>636-851-6176</u>		PO #: <u>MO</u>		Due Date Requested:		Analysis Requested		Preservation Codes:	
Email: <u>Dean Allison@FHSchools.org</u>		Project Name: <u>Francis Howell School Dist</u>		TAT Requested (days): <u>Standard</u>		Compliance Project: <u>Δ Yes Δ No</u>		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anichlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Site: <u>Boonwell Middle School</u>		SSON#: <u>MO</u>		Sample Date: <u>8/19/24</u>		Sample Time: <u>0900</u>		Matrix (W=water, S=solid, O=organic, A=air)	
Sample Identification		Sample Type (C=Comp, G=grab)		Preservation Code:		Field Filtered Sample (Yes or No)		Field Filtered Sample (Yes or No)	
<u>BWM - 1 Sink</u>		<u>G</u>		<u>W</u>		<u>X</u>		<u>X</u>	
<u>BWM - 2 Sink</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>	
<u>BWM - 3 Sink</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>	
<u>BWM - 4 Sink</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>	
<u>BWM - 5 Sink</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>	
<u>BWM - 6 Sink</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>	
<u>BWM - 7 Sink</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>	
<u>BWM - 8 Sink</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>	
<u>BWM - 9 Sink</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>	
<u>BWM - 10 Sink</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>	
<u>BWM - 11 Sink</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>		<u>WF</u>	
Possible Hazard Identification		Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological ☐		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client ☐ Disposal By Lab ☒ Archive For <u>Months</u>		Special Instructions/QC Requirements:	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by: <u>Dean St. John</u>		Date: <u>8/19/24</u>		Time: <u>0900</u>		Method of Shipment:	
Relinquished by: <u>Dean St. John</u>		Date/Time: <u>8/19/24</u>		Company: <u>Francis Howell School Dist</u>		Received by: <u>Dean St. John</u>		Date/Time: <u>8/19/24</u>	
Relinquished by: <u>Dean St. John</u>		Date/Time: <u>8/19/24</u>		Company: <u>Francis Howell School Dist</u>		Received by: <u>Dean St. John</u>		Date/Time: <u>8/19/24</u>	
Relinquished by: <u>Dean St. John</u>		Date/Time: <u>8/19/24</u>		Company: <u>Francis Howell School Dist</u>		Received by: <u>Dean St. John</u>		Date/Time: <u>8/19/24</u>	
Custody Seals Intact: <u>Δ Yes Δ No</u>		Custody Seal No.: <u>MO</u>		Cooler Temperature(s) °C and Other Remarks:		810-94458 Chain of Custody		Barcode	

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

Chain of Custody Record



Environment Testing
America

1st Draw

35

Client Information		Sampler: <u>Lead-SK-John</u>		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact: <u>Deal Allison</u>		Phone: <u>(314) 853-4668</u>		E-Mail:		State of Origin: <u>MO</u>		Job #:	
Company: <u>Francis Howell School Dist.</u>		Address: <u>4606 Central School Road</u>		City: <u>St. Charles</u>		State: <u>MO</u>		Analysis Requested	
Phone: <u>(636) 851-6176</u>		Due Date Requested:		TAT Requested (days): <u>Standard</u>		Compliance Project: ☐ Yes ☒ No		Preservation Codes:	
Email: <u>Don. Allison@FHSchools.org</u>		PO #:		WO #:		Project #:		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Site: <u>Boonwell Middle School</u>		SSOW#:		Sample Date: <u>8/19/24</u>		Sample Time: <u>0900</u>		Matrix (Wet, Dry, Solid, Liquid, Gas, etc.)	
Sample Identification		Sample Type (C=Comp, G=grab)		Preservation Code		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
<u>BWM-12 Sink</u>		<u>G</u>		<u>W</u>		<u>X</u>		<u>X</u>	
<u>BWM-13 Sink</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>	
<u>BWM-14 WF</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>	
<u>BWM-15 WF</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>	
<u>BWM-16 V</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>	
<u>BWM-18 WF</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>	
<u>BWM-19 Sink</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>	
<u>BWM-20</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>	
<u>BWM-21</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>	
<u>BWM-22</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>		<u>↓</u>	
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological		Disposal By Lab		Return To Client		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Date:		Time:		Special Instructions/QC Requirements:	
Relinquished by: <u>Don. Allison</u>		Date/Time: <u>8/19/24</u>		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Total Number of Containers		Special Instructions/Notes:	

Eurofins Eaton Analytical: South Bend
110 South Hill Street
South Bend, IN 46817
Phone (574) 233-4777

Chain of Custody Record

eurofins

Environment Testing
America

1st Draw

35

Client Information		Sample:		Lab Pkt:	Carrier Tracking Note(s):		COC No:
Client Contact:		Phone:		E-Mail:	State of Origin:		F
Dear Allison		314-853-4668		in a st johns - cam	MO		Page 3 of 3
Company:		Francis Howell School Dist.		Analysis Requested		Job #:	
Address:		4606 Central School Road		Due Date Requested:		Preservation Codes:	
City:		St. Charles		TAT Requested (days):		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
State, Zip:		MO		Compliance Project: ☐ Yes ☐ No		M - Hexane N - None O - Acetic P - Na2O4S Q - Na2SO3 R - H2SO4 S - TSP Dodecahydrate T - Acetone U - MCAA V - pH 4.5 W - Tris Y - Tris Z - other (specify)	
Phone:		636-851-6176		PO #:		Total Number of Containers	
Email:		Don. Allison@FHSschools.org		WFO #:		Special Instructions/Note:	
Project Name:		Francis Howell School Dist		Project #:		Perform MS/MSD (Yes or No)	
Site:		Boonwell Middle School		SSOW#:		Field Filtered Sample (Yes or No)	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code	Matrix (H=water, B=acid, O=acetone, AT=Tris, AW=)	
BWM-23 Sink ICE	8/19/24	0900	G	W			
BWM-24 WF							
BWM-25 WF							
BWM-26 Sink							
BWM-27 Sink							
BWM-28 Sink							
BWM-29 Sink							
BWM-30 Sink							
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Deliverable Requested: I, II, III, IV, Other (specify)				☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months			
Empty Kit Relinquished by:		Date:		Special Instructions/QC Requirements:			
Relinquished by:		Date:		Method of Shipment:			
Relinquished by:		Date:		Received by:			
Relinquished by:		Date:		Company:			
Relinquished by:		Date:		Company:			
Relinquished by:		Date:		Company:			
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Chain of Custody Record

35

1st Demo

Environment Testing America

110 South Hill Street
South Bend, IN 46617
Phone (574) 233-4771

Client Information

Client Contact: Don Allison
Company: Francis Howell School Dist.
Address: 4606 Central School Road
City: St. Charles
State: MO
Phone: 636-851-6176
Email: Don.Allison@FHSchools.org
Project Name: Francis Howell School Dist
Site: Baerwell Middle School

Lab File:

Carrier Tracking No.:

Sampler: Don St. John

State of Origin: MO

Job #:

Page 1 of 3

Due Date Requested:

TAT Requested (days):

Standard

Compliance Project: ☐ Yes ☐ No

PO #:

WO #:

Project #:

SSOWF:

Analysis Requested

Preservation Codes:

- A - HCL
- B - NaOH
- C - Zn Acetate
- D - Nitric Acid
- E - NaHSO4
- F - MeOH
- G - Amchlor
- H - Acetic Acid
- I - Ice
- J - DI Water
- K - EDTA
- L - EDA
- Other:



810-94458 Chain of Custody

Sample Identification

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Inorganic, Organic, Pesticide, Other)	Preservation Code
BW1 - 1 Sink	2/16/24	0900	G	W	X
BW1 - 2 Sink					
BW1 - 3 WF					
BW1 - 4 WF					
BW1 - 5 WF					
BW1 - 6 Sink					
BW1 - 7 Sink					
BW1 - 8 WF					
BW1 - 9 WF					
BW1 - 10 Sink					
BW1 - 11 Sink					

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months

Special Instructions/QC Requirements:

Method of Shipment:

Time:

Received by:

Date/Time:

Company:

Received by:

Date/Time:

Company:

Received by:

Date/Time:

Company:

Received by:

Date/Time:

Company:

Custody Seal No.:

☐ Yes ☐ No

Cooler Temperature and Time

Company:

Signature

Eurofins Eaton Analytical: South Bend

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

Chain of Custody Record

eurofins

Environmental Testing
America

35

1st page

Client Information		Sample: <u>Lead, Pb, Cd, Cu</u>		Lab File: <u>in a 2st job near cam</u>		COC No: <u>Page 3 of 3</u>	
Client Contact:		Phone: <u>314-853-4668</u>		Email: <u>in a 2st job near cam</u>		State of Origin: <u>MO</u>	
Company: <u>Deal Allison</u>		Address: <u>Francis Howell School Dist.</u>		City: <u>St. Charles</u>		State, Zip: <u>MO</u>	
Phone: <u>636-851-6176</u>		Fax: <u>636-851-6176</u>		Email: <u>Don. Allison@FHSchools.org</u>		Project Name: <u>Francis Howell School Dist</u>	
Address: <u>Francis Howell School Dist</u>		City: <u>St. Charles</u>		State, Zip: <u>MO</u>		Project ID: <u>SSOWK</u>	
Due Date Requested:		TAT Requested (days): <u>Standard</u>		Compliance Project: <u>Δ Yes Δ No</u>		FOI: <u>NO</u>	
Sample Identification		Sample Date		Sample Time		Sample Type (C-Comp, Grab) or (Grab) or (Grab) or (Grab)	
BWT-23 <u>Sink ICE</u>		8/19/24		0900		G W	
BWT-24 <u>WF</u>							
BWT-25 <u>WF</u>							
BWT-26 <u>Sink</u>							
BWT-27 <u>Sink</u>							
BWT-28 <u>Sink</u>							
BWT-29 <u>Sink</u>							
BWT-30 <u>Sink</u>							
Possible Hazard Identification		Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Pulver B ☒ Unknown ☐ Radiological ☐		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client ☐ Disposal By Lab ☒ Archive For ☐ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by: <u>Don. Allison</u>		Date: <u>8/19/24</u>		Time: <u>0900</u>	
Relinquished by: <u>Don. Allison</u>		Date: <u>8/19/24</u>		Time: <u>0900</u>		Company: <u>Francis Howell School Dist</u>	
Relinquished by: <u>Don. Allison</u>		Date: <u>8/19/24</u>		Time: <u>0900</u>		Company: <u>Francis Howell School Dist</u>	
Custody Seal Intact: <u>Δ Yes Δ No</u>		Custody Seal No.: <u>101</u>		Date: <u>8/19/24</u>		Time: <u>0900</u>	
Custody Seal Intact: <u>Δ Yes Δ No</u>		Custody Seal No.: <u>101</u>		Date: <u>8/19/24</u>		Time: <u>0900</u>	

Eurofins Eaton Analytical: South Bend
110 South Hill Street
South Bend, IN 46817
Phone (574) 233-4777

Chain of Custody Record

eurofins

Environment Testing
America

35

1st DEW

Client Information		Sample:		Lab Pile		Carrier Tracking Note:		DOC No:	
Client Contact:		Phone:		E-Mail:		State of Origin:		Job #:	
Don Allison		314-853-4668		naa2stjohnnv.com		MO		Page 2 of 3	
Company:		Address:		City:		State, Zip:		Phone:	
Francis Howell School Dist.		4406 Central School Road		St. Charles		MO		636-851-6176	
Enrollment:		Project Name:		Project #:		SSOWE:		Project #:	
Don. Albenda Elks Lodge		Francis Howell School Dist		Barnwell Middle School					
Sample Identification		Sample Date		Sample Time		Sample Type (C-Comp, G-Grab) or (I-Inst, A-Asst)		Matrix (I-Inst, A-Asst, C-Comp, G-Grab)	
BWM-12 Sink		8/19/24		0900		G		W	
BWM-13 Sink									
BWM-14 WF									
BWM-15 WF									
BWM-16 V									
BWM-17 V									
BWM-18 WF									
BWM-19 Sink									
BWM-20									
BWM-21									
BWM-22 V									
Possible Hazard Identification		Polson B		Unknown		Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant		☐ Polson B ☐ Unknown ☐ Radiological		☐ Return To Client ☐ Disposal By Lab		☐ Archive For		Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Date:		Time:		Number of Shipments:		Special Instructions/Notes:	
Empty Kit Requisitioned by:		Date/Time:		Company:		Received by:		Date/Time:	
Empty Kit Requisitioned by:		Date/Time:		Company:		Received by:		Date/Time:	
Empty Kit Requisitioned by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:	

Login Sample Receipt Checklist

Client: St. John Environmental Consulting

Job Number: 810-94458-1

Login Number: 94458

List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Alfred, Robbin

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	