

# ANALYTICAL REPORT

## PREPARED FOR

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Saint Louis, Missouri 63116

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## JOB DESCRIPTION

Francis Howell School District-Castilio Elementary

## JOB NUMBER

810-91086-1

# 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



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## Definitions/Glossary

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

### 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 District-Castilio Elementary

Job ID: 810-91086-1

**Job ID: 810-91086-1**

**Eurofins Eaton Analytical South Bend**

**Job Narrative  
810-91086-1**

### REVISION

The report being provided is a revision of the original report sent on 1/29/2024. The report (revision 1) is being revised due to Client requested name change from Castlio to Castilio..

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 1/17/2024 9:45 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 District-Castilio Elementary

Job ID: 810-91086-1

### Client Sample ID: FHCO-1 Sink

Lab Sample ID: 810-91086-1

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: FHCO-2 Sink

Lab Sample ID: 810-91086-2

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: FHCO-3 Sink

Lab Sample ID: 810-91086-3

No Detections.

### Client Sample ID: FHCO-4 ICE

Lab Sample ID: 810-91086-4

No Detections.

### Client Sample ID: FHCO-5 WF

Lab Sample ID: 810-91086-5

No Detections.

### Client Sample ID: FHCO-6 WF

Lab Sample ID: 810-91086-6

No Detections.

### Client Sample ID: FHCO-7 WF

Lab Sample ID: 810-91086-7

No Detections.

### Client Sample ID: FHCO-8 WF

Lab Sample ID: 810-91086-8

No Detections.

### Client Sample ID: FHCO-9 Sink

Lab Sample ID: 810-91086-9

No Detections.

### Client Sample ID: FHCO-10 WF

Lab Sample ID: 810-91086-10

No Detections.

### Client Sample ID: FHCO-11 WF

Lab Sample ID: 810-91086-11

No Detections.

### Client Sample ID: FHCO-12 Sink

Lab Sample ID: 810-91086-12

No Detections.

### Client Sample ID: FHCO-13 WF

Lab Sample ID: 810-91086-13

No Detections.

### Client Sample ID: FHCO-14 Sink

Lab Sample ID: 810-91086-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.4		0.50		ug/L	1		200.8	Total/NA

### Client Sample ID: FHCO-15 Sink

Lab Sample ID: 810-91086-15

No Detections.

This Detection Summary does not include radiochemical test results.

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## Detection Summary

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-16 WF**

**Lab Sample ID: 810-91086-16**

No Detections.

**Client Sample ID: FHCO-17 WF**

**Lab Sample ID: 810-91086-17**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.81		0.50		ug/L	1		200.8	Total/NA

**Client Sample ID: FHCO-18 WF**

**Lab Sample ID: 810-91086-18**

No Detections.

**Client Sample ID: FHCO-19 WF**

**Lab Sample ID: 810-91086-19**

No Detections.

**Client Sample ID: FHCO-20 WF**

**Lab Sample ID: 810-91086-20**

No Detections.

**Client Sample ID: FHCO-21 WF**

**Lab Sample ID: 810-91086-21**

No Detections.

**Client Sample ID: FHCO-22 WF**

**Lab Sample ID: 810-91086-22**

No Detections.

**Client Sample ID: FHCO-23 WF**

**Lab Sample ID: 810-91086-23**

No Detections.

**Client Sample ID: FHCO-24 ICE**

**Lab Sample ID: 810-91086-24**

No Detections.

**Client Sample ID: FHCO-25 Sink**

**Lab Sample ID: 810-91086-25**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.56		0.50		ug/L	1		200.8	Total/NA

**Client Sample ID: FHCO-26 WF**

**Lab Sample ID: 810-91086-26**

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: FHCO-27 Sink**

**Lab Sample ID: 810-91086-27**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	48		0.50		ug/L	1		200.8	Total/NA

**Client Sample ID: FHCO-28 Bubbler**

**Lab Sample ID: 810-91086-28**

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: FHCO-29 Sink**

**Lab Sample ID: 810-91086-29**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.2		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 District-Castilio Elementary

Job ID: 810-91086-1

### Client Sample ID: FHCO-30 Bubbler

Lab Sample ID: 810-91086-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.5		0.50		ug/L	1		200.8	Total/NA

### Client Sample ID: FHCO-31 Sink

Lab Sample ID: 810-91086-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.4		0.50		ug/L	1		200.8	Total/NA

### Client Sample ID: FHCO-32 Sink

Lab Sample ID: 810-91086-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.4		0.50		ug/L	1		200.8	Total/NA

### Client Sample ID: FHCO-33 Bubbler

Lab Sample ID: 810-91086-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.5		0.50		ug/L	1		200.8	Total/NA

### Client Sample ID: FHCO-34 Sink

Lab Sample ID: 810-91086-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.0		0.50		ug/L	1		200.8	Total/NA

### Client Sample ID: FHCO-35 WF

Lab Sample ID: 810-91086-35

No Detections.

### Client Sample ID: FHCO-36 WF

Lab Sample ID: 810-91086-36

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: FHCO-37 Sink

Lab Sample ID: 810-91086-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.83		0.50		ug/L	1		200.8	Total/NA

### Client Sample ID: FHCO-38 WF

Lab Sample ID: 810-91086-38

No Detections.

### Client Sample ID: FHCO-39 WF

Lab Sample ID: 810-91086-39

No Detections.

### Client Sample ID: FHCO-40 WF

Lab Sample ID: 810-91086-40

No Detections.

### Client Sample ID: FHCO-41 WF

Lab Sample ID: 810-91086-41

No Detections.

### Client Sample ID: FHCO-42 WF

Lab Sample ID: 810-91086-42

No Detections.

### Client Sample ID: FHCO-43 WF

Lab Sample ID: 810-91086-43

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 District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-44 WF**

**Lab Sample ID: 810-91086-44**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.99		0.50		ug/L	1		200.8	Total/NA

**Client Sample ID: FHCO-45 WF**

**Lab Sample ID: 810-91086-45**

No Detections.

**Client Sample ID: FHCO-46 WF**

**Lab Sample ID: 810-91086-46**

No Detections.

**Client Sample ID: FHCO-47 WF**

**Lab Sample ID: 810-91086-47**

No Detections.

**Client Sample ID: FHCO-48 WF**

**Lab Sample ID: 810-91086-48**

No Detections.

**Client Sample ID: FHCO-49 WF**

**Lab Sample ID: 810-91086-49**

No Detections.

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 District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-1 Sink**

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

**Lab Sample ID: 810-91086-1**

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			01/26/24 14:33	1

**Client Sample ID: FHCO-2 Sink**

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

**Lab Sample ID: 810-91086-2**

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			01/26/24 14:34	1

**Client Sample ID: FHCO-3 Sink**

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

**Lab Sample ID: 810-91086-3**

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			01/26/24 14:39	1

**Client Sample ID: FHCO-4 ICE**

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

**Lab Sample ID: 810-91086-4**

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			01/26/24 14:41	1

**Client Sample ID: FHCO-5 WF**

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

**Lab Sample ID: 810-91086-5**

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			01/26/24 14:43	1

**Client Sample ID: FHCO-6 WF**

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

**Lab Sample ID: 810-91086-6**

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			01/26/24 14:44	1

**Client Sample ID: FHCO-7 WF**

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

**Lab Sample ID: 810-91086-7**

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			01/26/24 14:49	1

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# Client Sample Results

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-8 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-8**

**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			01/26/24 14:51	1

**Client Sample ID: FHCO-9 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-9**

**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			01/26/24 14:52	1

**Client Sample ID: FHCO-10 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-10**

**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			01/26/24 14:54	1

**Client Sample ID: FHCO-11 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-11**

**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			01/26/24 14:56	1

**Client Sample ID: FHCO-12 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-12**

**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			01/26/24 14:57	1

**Client Sample ID: FHCO-13 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-13**

**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			01/29/24 10:21	1

**Client Sample ID: FHCO-14 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-14**

**Matrix: Drinking Water**

**Method: EPA 200.8 - Metals (ICP/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.4		0.50		ug/L			01/29/24 10:26	1

Eurofins Eaton Analytical South Bend

# Client Sample Results

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

## Client Sample ID: FHCO-15 Sink

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-15

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			01/29/24 10:27	1

## Client Sample ID: FHCO-16 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-16

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			01/29/24 10:29	1

## Client Sample ID: FHCO-17 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-17

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.81		0.50		ug/L			01/29/24 10:30	1

## Client Sample ID: FHCO-18 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-18

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			01/29/24 10:32	1

## Client Sample ID: FHCO-19 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-19

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			01/29/24 10:34	1

## Client Sample ID: FHCO-20 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-20

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			01/29/24 10:35	1

## Client Sample ID: FHCO-21 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-21

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			01/29/24 10:37	1

Eurofins Eaton Analytical South Bend

# Client Sample Results

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

## Client Sample ID: FHCO-22 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-22

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			01/29/24 10:39	1

## Client Sample ID: FHCO-23 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-23

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			01/29/24 10:44	1

## Client Sample ID: FHCO-24 ICE

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-24

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			01/29/24 10:45	1

## Client Sample ID: FHCO-25 Sink

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-25

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.56		0.50		ug/L			01/29/24 10:50	1

## Client Sample ID: FHCO-26 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-26

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			01/29/24 10:52	1

## Client Sample ID: FHCO-27 Sink

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-27

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	48		0.50		ug/L			01/29/24 10:53	1

## Client Sample ID: FHCO-28 Bubbler

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-28

Matrix: Drinking Water

### 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			01/29/24 10:55	1

Eurofins Eaton Analytical South Bend

# Client Sample Results

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

## Client Sample ID: FHCO-29 Sink

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-29

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.2		0.50		ug/L			01/29/24 10:57	1

## Client Sample ID: FHCO-30 Bubbler

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-30

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.5		0.50		ug/L			01/29/24 10:58	1

## Client Sample ID: FHCO-31 Sink

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-31

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		0.50		ug/L			01/29/24 11:00	1

## Client Sample ID: FHCO-32 Sink

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-32

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.4		0.50		ug/L			01/29/24 11:02	1

## Client Sample ID: FHCO-33 Bubbler

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-33

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.5		0.50		ug/L			01/29/24 11:10	1

## Client Sample ID: FHCO-34 Sink

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-34

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.0		0.50		ug/L			01/29/24 11:11	1

## Client Sample ID: FHCO-35 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-35

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			01/29/24 11:13	1

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# Client Sample Results

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

## Client Sample ID: FHCO-36 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-36

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			01/29/24 11:18	1

## Client Sample ID: FHCO-37 Sink

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-37

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.83		0.50		ug/L			01/29/24 11:20	1

## Client Sample ID: FHCO-38 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-38

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			01/29/24 11:21	1

## Client Sample ID: FHCO-39 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-39

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			01/29/24 11:23	1

## Client Sample ID: FHCO-40 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-40

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			01/29/24 11:25	1

## Client Sample ID: FHCO-41 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-41

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			01/29/24 11:26	1

## Client Sample ID: FHCO-42 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-42

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			01/29/24 11:28	1

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# Client Sample Results

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

## Client Sample ID: FHCO-43 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-43

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			01/29/24 11:33	1

## Client Sample ID: FHCO-44 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-44

Matrix: Drinking Water

### Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.99		0.50		ug/L			01/29/24 11:34	1

## Client Sample ID: FHCO-45 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-45

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			01/29/24 11:36	1

## Client Sample ID: FHCO-46 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-46

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			01/29/24 11:38	1

## Client Sample ID: FHCO-47 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-47

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			01/29/24 11:43	1

## Client Sample ID: FHCO-48 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-48

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			01/29/24 11:44	1

## Client Sample ID: FHCO-49 WF

Date Collected: 01/15/24 00:00

Date Received: 01/17/24 09:45

## Lab Sample ID: 810-91086-49

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			01/29/24 11:46	1

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# QC Sample Results

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

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

Lab Sample ID: MB 810-86909/11  
Matrix: Drinking Water  
Analysis Batch: 86909

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			01/26/24 13:24	1

Lab Sample ID: MB 810-86909/41  
Matrix: Drinking Water  
Analysis Batch: 86909

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			01/26/24 14:13	1

Lab Sample ID: LCS 810-86909/42  
Matrix: Drinking Water  
Analysis Batch: 86909

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	49.5		ug/L		99	85 - 115

Lab Sample ID: LLCS 810-86909/10  
Matrix: Drinking Water  
Analysis Batch: 86909

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	0.260	J	ug/L		87	50 - 150

Lab Sample ID: 810-91086-6 MS  
Matrix: Drinking Water  
Analysis Batch: 86909

Client Sample ID: FHCO-6 WF  
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	49.2		ug/L		98	70 - 130

Lab Sample ID: 810-91086-6 MSD  
Matrix: Drinking Water  
Analysis Batch: 86909

Client Sample ID: FHCO-6 WF  
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	48.3		ug/L		97	70 - 130	2	20

Lab Sample ID: MB 810-87010/11  
Matrix: Drinking Water  
Analysis Batch: 87010

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			01/29/24 10:17	1

Lab Sample ID: MB 810-87010/41  
Matrix: Drinking Water  
Analysis Batch: 87010

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			01/29/24 11:07	1

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# QC Sample Results

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

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

Lab Sample ID: LCS 810-87010/12

Matrix: Drinking Water

Analysis Batch: 87010

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	50.8		ug/L		102	85 - 115

Lab Sample ID: LCS 810-87010/42

Matrix: Drinking Water

Analysis Batch: 87010

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	50.7		ug/L		101	85 - 115

Lab Sample ID: LLCS 810-87010/10

Matrix: Drinking Water

Analysis Batch: 87010

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	0.302	J	ug/L		101	50 - 150

Lab Sample ID: 810-91086-13 MS

Matrix: Drinking Water

Analysis Batch: 87010

Client Sample ID: FHCO-13 WF

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	49.9		ug/L		99	70 - 130

Lab Sample ID: 810-91086-13 MSD

Matrix: Drinking Water

Analysis Batch: 87010

Client Sample ID: FHCO-13 WF

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	51.5		ug/L		103	70 - 130	3	20

Lab Sample ID: 810-91086-24 MS

Matrix: Drinking Water

Analysis Batch: 87010

Client Sample ID: FHCO-24 ICE

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	49.5		ug/L		99	70 - 130

Lab Sample ID: 810-91086-24 MSD

Matrix: Drinking Water

Analysis Batch: 87010

Client Sample ID: FHCO-24 ICE

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	49.6		ug/L		99	70 - 130	0	20

Lab Sample ID: 810-91086-35 MS

Matrix: Drinking Water

Analysis Batch: 87010

Client Sample ID: FHCO-35 WF

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	50.6		ug/L		101	70 - 130

Eurofins Eaton Analytical South Bend

# QC Sample Results

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

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

Lab Sample ID: 810-91086-35 MSD  
Matrix: Drinking Water  
Analysis Batch: 87010

Client Sample ID: FHCO-35 WF  
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	50.7		ug/L		101	70 - 130	0	20

Lab Sample ID: 810-91086-46 MS  
Matrix: Drinking Water  
Analysis Batch: 87010

Client Sample ID: FHCO-46 WF  
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	52.9		ug/L		105	70 - 130		

Lab Sample ID: 810-91086-46 MSD  
Matrix: Drinking Water  
Analysis Batch: 87010

Client Sample ID: FHCO-46 WF  
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	52.7		ug/L		104	70 - 130	0	20

# QC Association Summary

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

## Metals

### Analysis Batch: 86909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-91086-1	FHCO-1 Sink	Total/NA	Drinking Water	200.8	
810-91086-2	FHCO-2 Sink	Total/NA	Drinking Water	200.8	
810-91086-3	FHCO-3 Sink	Total/NA	Drinking Water	200.8	
810-91086-4	FHCO-4 ICE	Total/NA	Drinking Water	200.8	
810-91086-5	FHCO-5 WF	Total/NA	Drinking Water	200.8	
810-91086-6	FHCO-6 WF	Total/NA	Drinking Water	200.8	
810-91086-7	FHCO-7 WF	Total/NA	Drinking Water	200.8	
810-91086-8	FHCO-8 WF	Total/NA	Drinking Water	200.8	
810-91086-9	FHCO-9 Sink	Total/NA	Drinking Water	200.8	
810-91086-10	FHCO-10 WF	Total/NA	Drinking Water	200.8	
810-91086-11	FHCO-11 WF	Total/NA	Drinking Water	200.8	
810-91086-12	FHCO-12 Sink	Total/NA	Drinking Water	200.8	
MB 810-86909/11	Method Blank	Total/NA	Drinking Water	200.8	
MB 810-86909/41	Method Blank	Total/NA	Drinking Water	200.8	
LCS 810-86909/42	Lab Control Sample	Total/NA	Drinking Water	200.8	
LLCS 810-86909/10	Lab Control Sample	Total/NA	Drinking Water	200.8	
810-91086-6 MS	FHCO-6 WF	Total/NA	Drinking Water	200.8	
810-91086-6 MSD	FHCO-6 WF	Total/NA	Drinking Water	200.8	

### Analysis Batch: 87010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-91086-13	FHCO-13 WF	Total/NA	Drinking Water	200.8	
810-91086-14	FHCO-14 Sink	Total/NA	Drinking Water	200.8	
810-91086-15	FHCO-15 Sink	Total/NA	Drinking Water	200.8	
810-91086-16	FHCO-16 WF	Total/NA	Drinking Water	200.8	
810-91086-17	FHCO-17 WF	Total/NA	Drinking Water	200.8	
810-91086-18	FHCO-18 WF	Total/NA	Drinking Water	200.8	
810-91086-19	FHCO-19 WF	Total/NA	Drinking Water	200.8	
810-91086-20	FHCO-20 WF	Total/NA	Drinking Water	200.8	
810-91086-21	FHCO-21 WF	Total/NA	Drinking Water	200.8	
810-91086-22	FHCO-22 WF	Total/NA	Drinking Water	200.8	
810-91086-23	FHCO-23 WF	Total/NA	Drinking Water	200.8	
810-91086-24	FHCO-24 ICE	Total/NA	Drinking Water	200.8	
810-91086-25	FHCO-25 Sink	Total/NA	Drinking Water	200.8	
810-91086-26	FHCO-26 WF	Total/NA	Drinking Water	200.8	
810-91086-27	FHCO-27 Sink	Total/NA	Drinking Water	200.8	
810-91086-28	FHCO-28 Bubbler	Total/NA	Drinking Water	200.8	
810-91086-29	FHCO-29 Sink	Total/NA	Drinking Water	200.8	
810-91086-30	FHCO-30 Bubbler	Total/NA	Drinking Water	200.8	
810-91086-31	FHCO-31 Sink	Total/NA	Drinking Water	200.8	
810-91086-32	FHCO-32 Sink	Total/NA	Drinking Water	200.8	
810-91086-33	FHCO-33 Bubbler	Total/NA	Drinking Water	200.8	
810-91086-34	FHCO-34 Sink	Total/NA	Drinking Water	200.8	
810-91086-35	FHCO-35 WF	Total/NA	Drinking Water	200.8	
810-91086-36	FHCO-36 WF	Total/NA	Drinking Water	200.8	
810-91086-37	FHCO-37 Sink	Total/NA	Drinking Water	200.8	
810-91086-38	FHCO-38 WF	Total/NA	Drinking Water	200.8	
810-91086-39	FHCO-39 WF	Total/NA	Drinking Water	200.8	
810-91086-40	FHCO-40 WF	Total/NA	Drinking Water	200.8	
810-91086-41	FHCO-41 WF	Total/NA	Drinking Water	200.8	
810-91086-42	FHCO-42 WF	Total/NA	Drinking Water	200.8	

Eurofins Eaton Analytical South Bend

# QC Association Summary

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

## Metals (Continued)

### Analysis Batch: 87010 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-91086-43	FHCO-43 WF	Total/NA	Drinking Water	200.8	
810-91086-44	FHCO-44 WF	Total/NA	Drinking Water	200.8	
810-91086-45	FHCO-45 WF	Total/NA	Drinking Water	200.8	
810-91086-46	FHCO-46 WF	Total/NA	Drinking Water	200.8	
810-91086-47	FHCO-47 WF	Total/NA	Drinking Water	200.8	
810-91086-48	FHCO-48 WF	Total/NA	Drinking Water	200.8	
810-91086-49	FHCO-49 WF	Total/NA	Drinking Water	200.8	
MB 810-87010/11	Method Blank	Total/NA	Drinking Water	200.8	
MB 810-87010/41	Method Blank	Total/NA	Drinking Water	200.8	
LCS 810-87010/12	Lab Control Sample	Total/NA	Drinking Water	200.8	
LCS 810-87010/42	Lab Control Sample	Total/NA	Drinking Water	200.8	
LLCS 810-87010/10	Lab Control Sample	Total/NA	Drinking Water	200.8	
810-91086-13 MS	FHCO-13 WF	Total/NA	Drinking Water	200.8	
810-91086-13 MSD	FHCO-13 WF	Total/NA	Drinking Water	200.8	
810-91086-24 MS	FHCO-24 ICE	Total/NA	Drinking Water	200.8	
810-91086-24 MSD	FHCO-24 ICE	Total/NA	Drinking Water	200.8	
810-91086-35 MS	FHCO-35 WF	Total/NA	Drinking Water	200.8	
810-91086-35 MSD	FHCO-35 WF	Total/NA	Drinking Water	200.8	
810-91086-46 MS	FHCO-46 WF	Total/NA	Drinking Water	200.8	
810-91086-46 MSD	FHCO-46 WF	Total/NA	Drinking Water	200.8	

# Lab Chronicle

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-1 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-1**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:33

**Client Sample ID: FHCO-2 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-2**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:34

**Client Sample ID: FHCO-3 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-3**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:39

**Client Sample ID: FHCO-4 ICE**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-4**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:41

**Client Sample ID: FHCO-5 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-5**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:43

**Client Sample ID: FHCO-6 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-6**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:44

**Client Sample ID: FHCO-7 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-7**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:49

Eurofins Eaton Analytical South Bend

# Lab Chronicle

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-8 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-8**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:51

**Client Sample ID: FHCO-9 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-9**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:52

**Client Sample ID: FHCO-10 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-10**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:54

**Client Sample ID: FHCO-11 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-11**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:56

**Client Sample ID: FHCO-12 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-12**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	86909	CA	EA SB	01/26/24 14:57

**Client Sample ID: FHCO-13 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-13**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:21

**Client Sample ID: FHCO-14 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-14**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:26

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# Lab Chronicle

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-15 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-15**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:27

**Client Sample ID: FHCO-16 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-16**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:29

**Client Sample ID: FHCO-17 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-17**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:30

**Client Sample ID: FHCO-18 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-18**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:32

**Client Sample ID: FHCO-19 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-19**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:34

**Client Sample ID: FHCO-20 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-20**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:35

**Client Sample ID: FHCO-21 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-21**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:37

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# Lab Chronicle

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-22 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-22**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:39

**Client Sample ID: FHCO-23 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-23**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:44

**Client Sample ID: FHCO-24 ICE**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-24**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:45

**Client Sample ID: FHCO-25 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-25**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:50

**Client Sample ID: FHCO-26 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-26**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:52

**Client Sample ID: FHCO-27 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-27**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:53

**Client Sample ID: FHCO-28 Bubbler**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-28**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 10:55

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# Lab Chronicle

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-29 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-29**

**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	87010	CA	EA SB	01/29/24 10:57

**Client Sample ID: FHCO-30 Bubbler**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-30**

**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	87010	CA	EA SB	01/29/24 10:58

**Client Sample ID: FHCO-31 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-31**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 11:00

**Client Sample ID: FHCO-32 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-32**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 11:02

**Client Sample ID: FHCO-33 Bubbler**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-33**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 11:10

**Client Sample ID: FHCO-34 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-34**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 11:11

**Client Sample ID: FHCO-35 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-35**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 11:13

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# Lab Chronicle

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-36 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-36**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 11:18

**Client Sample ID: FHCO-37 Sink**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-37**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 11:20

**Client Sample ID: FHCO-38 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-38**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 11:21

**Client Sample ID: FHCO-39 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-39**

**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	87010	CA	EA SB	01/29/24 11:23

**Client Sample ID: FHCO-40 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-40**

**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	87010	CA	EA SB	01/29/24 11:25

**Client Sample ID: FHCO-41 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-41**

**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	87010	CA	EA SB	01/29/24 11:26

**Client Sample ID: FHCO-42 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-42**

**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	87010	CA	EA SB	01/29/24 11:28

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# Lab Chronicle

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

**Client Sample ID: FHCO-43 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-43**

**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	87010	CA	EA SB	01/29/24 11:33

**Client Sample ID: FHCO-44 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-44**

**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	87010	CA	EA SB	01/29/24 11:34

**Client Sample ID: FHCO-45 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-45**

**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	87010	CA	EA SB	01/29/24 11:36

**Client Sample ID: FHCO-46 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-46**

**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	87010	CA	EA SB	01/29/24 11:38

**Client Sample ID: FHCO-47 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-47**

**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	87010	CA	EA SB	01/29/24 11:43

**Client Sample ID: FHCO-48 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-48**

**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	87010	CA	EA SB	01/29/24 11:44

**Client Sample ID: FHCO-49 WF**

**Date Collected: 01/15/24 00:00**

**Date Received: 01/17/24 09:45**

**Lab Sample ID: 810-91086-49**

**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	87010	CA	EA SB	01/29/24 11:46

## Laboratory References:

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

Eurofins Eaton Analytical South Bend

Accreditation/Certification Summary

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

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 District-Castilio Elementary

Job ID: 810-91086-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EA SB

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

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

# Sample Summary

Client: St. John Environmental Consulting  
Project/Site: Francis Howell School District-Castilio Elementary

Job ID: 810-91086-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-91086-1	FHCO-1 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-2	FHCO-2 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-3	FHCO-3 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-4	FHCO-4 ICE	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-5	FHCO-5 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-6	FHCO-6 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-7	FHCO-7 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-8	FHCO-8 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-9	FHCO-9 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-10	FHCO-10 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-11	FHCO-11 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-12	FHCO-12 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-13	FHCO-13 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-14	FHCO-14 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-15	FHCO-15 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-16	FHCO-16 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-17	FHCO-17 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-18	FHCO-18 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-19	FHCO-19 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-20	FHCO-20 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-21	FHCO-21 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-22	FHCO-22 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-23	FHCO-23 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-24	FHCO-24 ICE	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-25	FHCO-25 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-26	FHCO-26 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-27	FHCO-27 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-28	FHCO-28 Bubbler	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-29	FHCO-29 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-30	FHCO-30 Bubbler	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-31	FHCO-31 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-32	FHCO-32 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-33	FHCO-33 Bubbler	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-34	FHCO-34 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-35	FHCO-35 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-36	FHCO-36 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-37	FHCO-37 Sink	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-38	FHCO-38 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-39	FHCO-39 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-40	FHCO-40 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-41	FHCO-41 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-42	FHCO-42 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-43	FHCO-43 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-44	FHCO-44 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-45	FHCO-45 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-46	FHCO-46 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-47	FHCO-47 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-48	FHCO-48 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45
810-91086-49	FHCO-49 WF	Drinking Water	01/15/24 00:00	01/17/24 09:45



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



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## Chain of Custody Record

<b>Client Information</b>		Sampler: <u>Jan St. John</u>		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact: <u>Dan Allison</u>		Phone: <u>(314) 853-4668</u>		E-Mail: <u>janastjohn@ev.com</u>		State of Origin: <u>MO</u>		F Page 1 of 5	
Company: <u>Francis Howell School Dist.</u>		Address: <u>4606 Central School Road</u>		City: <u>St. Charles</u>		State, Zip: <u>MO</u>		Job #: _____	
Phone: <u>636-851-6176</u>		Email: <u>Dan.Allison@FHSchools.org</u>		Project Name: <u>Francis Howell School Dist</u>		Site: <u>Castillo Elementary</u>		Analysis Requested	
Due Date Requested:		TAT Requested (days):		Standard		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO #:	
WO #:		Project #:		SSOW #:		Field Filtered Sample (Yes or No)		Total Number of Containers	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab) (BT=Tissue, A=Air)		Matrix (W=Water, S=Solid, O=Soil, A=Air)	
FH001 Sink		4/15/24		6		W		Preservation Codes:	
FH002								A - HCL	
FH003								B - NaOH	
FH004 ICE								C - Zn Acetate	
FH005 WF								D - Nitric Acid	
FH006								E - NaHSO4	
FH007								F - MeOH	
FH008								G - Anion	
FH009 Sink								H - Ascorbic Acid	
FH010 WF								I - Ice	
FH011 WF								J - DI Water	
Possible Hazard Identification		Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/>		Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/Note:		Special Instructions/Note:	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:		Special Instructions/Note:	
Relinquished by: <u>Jan St. John</u>		Date: <u>4/15/24</u>		Time:		Company:		Relinquished by:	
Relinquished by:		Date:		Time:		Company:		Relinquished by:	
Relinquished by:		Date:		Time:		Company:		Relinquished by:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For _____ Months	



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Phone (574) 233-4777

# Chain of Custody Record

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Client Information		Sampler: <u>Don St. John</u>		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact: <u>Don Allison</u>		Phone: <u>314-853-4668</u>		E-Mail: <u>inastjohn@ev.com</u>		State of Origin: <u>MO</u>		F Page 2 of 5	
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>117-24 445</u>	
Phone: <u>636-851-6176</u>		Email: <u>Don.Allison@FHSchools.org</u>		Project Name: <u>Francis Howell School Dist</u>		Project #: <u>Castalia Elementary</u>		SSOW#:	
Due Date Requested:		TAT Requested (days): <u>Standard</u>		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		PO #:		WO #:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, B=solid, O=other)	
FH0012 SWK		1/15/24		6		W			
FH0013 WF									
FH0014 SWK									
FH0015 SWK									
FH0016 WF									
FH0017									
FH0018									
FH0019									
FH0020									
FH0021									
FH0022 WF									
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab		Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by: <u>Don St. John</u>		Date: <u>1/15/24</u>		Company: <u>Francis Howell School Dist</u>		Date/Time: <u>1/15/24 445</u>	
Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:					

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7125

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



Environment Testing  
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# Chain of Custody Record

Client Information		Sampler: <u>Don St. John</u>	Lab PM:	Carrier Tracking No(s):	COC No:		
Client Contact:		Phone: <u>314-853-4668</u>	E-Mail:	State of Origin: <u>MO</u>	F Page 3 of 5		
Company:		PWSID:	Job #:				
Address: <u>Francis Howell School Dist.</u>		Due Date Requested:	Analysis Requested				
City: <u>St. Charles</u>		TAT Requested (days): <u>Standard</u>					
State, Zip: <u>MO</u>		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Phone: <u>636-851-6176</u>		PO #:					
Email: <u>Don.Allison@FHSchools.org</u>		WO #:					
Project Name: <u>Francis Howell School Dist</u>		Project #:					
Site: <u>Cassio Elementary</u>		SSOW #:					
Sample Identification	Sample Date	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of Containers	Special Instructions/Note:
FHC023 WF	1/15/24	G	W	X	X		
FHC024 ICE							
FHC025 Sink							
FHC026 WF							
FHC027 Sink							
FHC028 Bubble							
FHC029 Sink							
FHC030 Bubble							
FHC031 Sink							
FHC032 Bubble Sink							
FHC033 Bubble Bubble							
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:		Method of Shipment:			
Relinquished by: <u>Don St. John</u>		Date/Time: <u>1/15/24</u>		Received by: <u>Don St. John</u>			
Relinquished by:		Date/Time:		Received by:			
Relinquished by:		Date/Time:		Received by:			
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			



**Chain of Custody Record**



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<b>Client Information</b>		<b>Sampler:</b> <u>David St. John</u>		<b>Lab PM:</b>		<b>Carrier Tracking No(s):</b>		<b>COC No:</b>	
<b>Client Contact:</b>		<b>Phone:</b> <u>(314) 853-4668</u>		<b>E-Mail:</b>		<b>State of Origin:</b>		<b>F</b> <u>Page 4 of 5</u>	
<b>Company:</b> <u>Francis Howell School Dist.</u>		<b>PWSID:</b>		<b>Analysis Requested</b>		<b>Job #:</b>			
<b>Address:</b> <u>4606 Central School Road</u>		<b>Due Date Requested:</b>		<b>Standard</b>		<b>Preservation Codes:</b>			
<b>City:</b> <u>St. Charles</u>		<b>TAT Requested (days):</b>		<b>Compliance Project:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>A - HCL</b>		<b>M - Hexane</b>	
<b>State, Zip:</b> <u>MO</u>		<b>PO #:</b>		<b>WO #:</b>		<b>B - NaOH</b>		<b>N - None</b>	
<b>Phone:</b> <u>636-851-6176</u>		<b>Project #:</b>		<b>SSOW#:</b>		<b>C - Zn Acetate</b>		<b>O - AsNaO2</b>	
<b>Email:</b> <u>Dev. Allison@FHSschools.org</u>		<b>Sample Data</b>		<b>Sample Type (C=Comp, G=grab)</b>		<b>D - Nitric Acid</b>		<b>P - Na2O4S</b>	
<b>Project Name:</b> <u>Francis Howell School Dist</u>		<b>Sample Time</b>		<b>Matrix (W=water, S=solid, O=organic, A=air)</b>		<b>E - NaHSO4</b>		<b>Q - Na2SO3</b>	
<b>Site:</b> <u>Castillo Elementary</u>		<b>Sample Date</b>		<b>Preservation Code:</b>		<b>F - MeOH</b>		<b>R - Na2SO3</b>	
<b>Sample Identification</b>		<b>Sample Time</b>		<b>Preservation Code:</b>		<b>G - Amchlor</b>		<b>S - H2SO4</b>	
<u>FHC034 Bagged Sink</u>		<u>1/15/24</u>		<u>G W</u>		<b>H - Ascorbic Acid</b>		<b>T - TSP Dodecahydrate</b>	
<u>FHC035 WF</u>						<b>I - Ice</b>		<b>U - Acetone</b>	
<u>FHC036 WF</u>						<b>J - DI Water</b>		<b>V - MCAA</b>	
<u>FHC037 Sink</u>						<b>K - EDTA</b>		<b>W - pH 4.5</b>	
<u>FHC038 WF</u>						<b>L - EDA</b>		<b>Y - Trizma</b>	
<u>FHC039</u>						<b>Other:</b>		<b>Z - other (specify)</b>	
<u>FHC040</u>									
<u>FHC041</u>									
<u>FHC042</u>									
<u>FHC043</u>									
<u>FHC044 WF</u>									
<b>Possible Hazard Identification</b>		<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>		<b>Special Instructions/Note:</b>					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <u>Months</u>							
<b>Deliverable Requested: I, II, III, IV, Other (specify)</b>		<b>Special Instructions/QC Requirements:</b>							
<b>Empty Kit Relinquished by:</b>		<b>Date:</b>		<b>Method of Shipment:</b>					
<b>Relinquished by:</b> <u>David St. John</u>		<b>Date/Time:</b> <u>1/15/24</u>		<b>Received by:</b> <u>David St. John</u>		<b>Date/Time:</b> <u>1/17/24</u>		<b>Company:</b>	
<b>Relinquished by:</b>		<b>Date/Time:</b>		<b>Received by:</b>		<b>Date/Time:</b>		<b>Company:</b>	
<b>Relinquished by:</b>		<b>Date/Time:</b>		<b>Received by:</b>		<b>Date/Time:</b>		<b>Company:</b>	
<b>Custody Seals Intact:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Custody Seal No.:</b>		<b>Cooler Temperature(s) °C and Other Remarks:</b>					

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Phone (574) 233-4711		Lab PM:		Carrier Tracking No(s):		COC No:									
Client Information		Sampler: <u>Frank St. John</u>		State of Origin: <u>MO</u>		Page 5 of 6									
Client Contact:		Phone: <u>(314) 853-4668</u>		E-Mail: <u>ian@stjohnenv.com</u>		Job #:									
Company: <u>Francis Howell School Dist.</u>		PWSID:		Analysis Requested											
Address: <u>4606 Central School Road</u>		Due Date Requested:		<div style="border: 1px solid black; padding: 5px;"> <p>Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/></p> <p>Perform MS/MSD <input checked="" type="checkbox"/></p> <p>Pb in Drinking Water</p> </div>											
City: <u>St. Charles</u>		TAT Requested (days): <u>Standard</u>													
State, Zip: <u>MO</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No													
Phone: <u>636-851-6176</u>		PO #:													
Email: <u>Don.Allison@FHSchools.org</u>		WO #:													
Project Name: <u>Francis Howell School Dist</u>		Project #:		<div style="border: 1px solid black; padding: 5px;"> <p>Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/></p> <p>Perform MS/MSD <input checked="" type="checkbox"/></p> <p>Pb in Drinking Water</p> </div>											
Site: <u>Castillo Elementary</u>		SSOW#:													
Sample Identification		Sample Date						Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, B=soil, O=other)		Preservation Code:	
FH0045 WF		1/15/24						6		W		X		W	
FH0046 WF		↓						↓		↓		↓		↓	
FH0047 WF		↓		↓		↓		↓		↓					
FH0048 WF		↓		↓		↓		↓		↓					
FH0049 WF		↓		↓		↓		↓		↓					
FH0050 WF		↓		↓		↓		↓		↓					
Possible Hazard Identification		Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For <input type="checkbox"/> Months									
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Special Instructions/QC Requirements:		Total Number of Containers									
Relinquished by: <u>Don St. John</u>		Date: <u>1/15/24</u>		Method of Shipment:		Special Instructions/Note:									
Relinquished by:		Date:		Received by:		Date/Time:									
Relinquished by:		Date:		Received by:		Date/Time:									
Relinquished by:		Date:		Received by:		Date/Time:									
Custody Seal No.:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Company									
Δ Yes Δ No		Δ Yes Δ No				Company									
						Company									

## Login Sample Receipt Checklist

Client: St. John Environmental Consulting

Job Number: 810-91086-1

**Login Number: 91086**

**List Number: 1**

**Creator: Alfred, Robbin**

**List Source: Eurofins Eaton Analytical South Bend**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	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	