12

13 11

JOB DESCRIPTION

Generated 12/23/2024 8:25:06 AM

Saint Louis, Missouri 63116

PREPARED FOR

Attn: Ian St. John

5515 Grace Ave.

St. Joseph School District - Mark Twain

St. John Environmental Consulting

ANALYTICAL REPORT

JOB NUMBER

810-132150-1

Eurofins Eaton Analytical South Bend 110 S Hill Street South Bend IN 46617

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 12/23/2024 8:25:06 AM

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

13

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
QC Sample Results	8
QC Association Summary	9
Lab Chronicle	10
Certification Summary	11
Method Summary	12
Sample Summary	13
Chain of Custody	14
Racaint Chacklists	15

4

C

8

10

11

13

Definitions/Glossary

Client: St. John Environmental Consulting

Project/Site: St. Joseph School District - Mark Twain

Job ID: 810-132150-1

Qualifiers

M	eta	Is

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.
☼	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

Eurofins Eaton Analytical South Bend

9

6

7

0

10

111

13

Case Narrative

Client: St. John Environmental Consulting Project: St. Joseph School District - Mark Twain

Job ID: 810-132150-1

Eurofins Eaton Analytical South Bend

Job ID: 810-132150-1

Job Narrative 810-132150-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 sample was received on 12/18/2024 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Metals

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

2

3

4

5

7

8

11

12

Detection Summary

Client: St. John Environmental Consulting

Project/Site: St. Joseph School District - Mark Twain

Job ID: 810-132150-1

Client Sample ID: SJMT-6 Sink

Lab Sample ID: 810-132150-1

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

4

5

9

10

12

13

Client Sample Results

Client: St. John Environmental Consulting

Client Sample ID: SJMT-6 Sink

Project/Site: St. Joseph School District - Mark Twain

Lab Sample ID: 810-132150-1

Matrix: Drinking Water

Job ID: 810-132150-1

Date Collected: 12/13/24 08:00 Date Received: 12/18/24 10:00

Method: EPA 200.8 - Metals (ICP/MS)

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Lead 0.50 ug/L 12/19/24 22:18 1.3

QC Sample Results

RL

0.50

RL

0.50

Spike

Added

50.0

MDL Unit

MDL Unit

LCS LCS

LLCS LLCS

0.307 J

Result Qualifier

49.9

Result Qualifier

ug/L

ug/L

D

Prepared

Client: St. John Environmental Consulting

Project/Site: St. Joseph School District - Mark Twain

Job ID: 810-132150-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 810-127415/12

Matrix: Drinking Water Analysis Batch: 127415

< 0.12

MBL MBL

MBL MBL Analyte Result Qualifier

Lab Sample ID: MBL 810-127415/132

Matrix: Drinking Water Analysis Batch: 127415

Lead

Analyte

Result Qualifier Analyte Lead < 0.12

Lab Sample ID: LCS 810-127415/133

Matrix: Drinking Water

Analysis Batch: 127415

Lead Lab Sample ID: LLCS 810-127415/11

Matrix: Drinking Water Analysis Batch: 127415

Spike Analyte Added 0.300 Lead

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyzed

12/19/24 15:36

Dil Fac

Client Sample ID: Method Blank

Prep Type: Total/NA

Prepared Dil Fac Analyzed 12/19/24 21:04

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

%Rec

Limits Unit %Rec ug/L 85 - 115

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

%Rec Unit %Rec Limits ug/L 102 50 - 150

QC Association Summary

Client: St. John Environmental Consulting

Project/Site: St. Joseph School District - Mark Twain

Job ID: 810-132150-1

Metals

Analysis Batch: 127415

Lab Sample ID 810-132150-1	Client Sample ID SJMT-6 Sink	Prep Type Total/NA	Matrix Drinking Water	Method 200.8	Prep Batch
MBL 810-127415/12	Method Blank	Total/NA	Drinking Water	200.8	
MBL 810-127415/132	Method Blank	Total/NA	Drinking Water	200.8	
LCS 810-127415/133	Lab Control Sample	Total/NA	Drinking Water	200.8	
LLCS 810-127415/11	Lab Control Sample	Total/NA	Drinking Water	200.8	

Lab Chronicle

Client: St. John Environmental Consulting

Project/Site: St. Joseph School District - Mark Twain

Client Sample ID: SJMT-6 Sink

Date Collected: 12/13/24 08:00

Date Received: 12/18/24 10:00

Lab Sample ID: 810-132150-1

Matrix: Drinking Water

Job ID: 810-132150-1

	Batch	Batch		Dilution	Batch		Prepared
Prep Type	Туре	Method	Run	Factor	Number Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	127415 CA	EA SB	12/19/24 22:18

Laboratory References:

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

5

0

8

9

11

13

Accreditation/Certification Summary

Client: St. John Environmental Consulting

Project/Site: St. Joseph School District - Mark Twain

Job ID: 810-132150-1

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	09-30-27

0 102100 1

3

A

5

6

8

10

11

13

Method Summary

Client: St. John Environmental Consulting

Project/Site: St. Joseph School District - Mark Twain

Job ID: 810-132150-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

3

4

5

6

8

3

11

12

13

Sample Summary

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Mark Twain

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-132150-1	SJMT-6 Sink	Drinking Water	12/13/24 08:00	12/18/24 10:00

Job ID: 810-132150-1

Client Information Client Contact:					
at Contact:	Sampler: Ian St. John	Lab PM:		Carrier Tracking No(s):	COC No:
Casey Housman	Phone: 314-853-4668	E-Mail:	ian@stjohnenv.com	State of Origin: MO	Page:
Company: St. Joseph School District	PWSID:	ID:	Analysis Requested	lested	Job #:
Address: 1415 North 26th Street	Due Date Requested:				
S	TAT Requested (days): Standard		Dog		B - NaOH O - AsNaO2 C - Zn Acetate P - Na204S
State, Zip: Missouri 64506	Compliance Project: A Yes A No		+01		
Phone: 816-671-4000	PO#:		810-132150 Chain of Custody	nstody	
Email: CaseyHousman@sjsd.k12.mo.us	WO #:			- SI	I - Ice J - DI Water
Project Name: St. Joseph School District	Project #:			ənistr	K - EDIA Y - Trizma L - EDA Z - other (specify)
She: Mark Twan	SSOW#:			01 00	Other:
	Sample	Sample (W=water, Type S=solid, O=waste/oll,	Michim Michim	tal Number	
Sample Identification	Sample Date Time G=g	G=grab) BT=Tissue, A=AIr)		oT >	Special Instructions/Note:
1	12/ Grand 1.5.14 5/151	1			+ Dorld ma
9	200	3 -			Will prosper work
					coront & vin
					Poselsilei
83					
1					
()					
1					
ST					
らす	> >	7	⇒		
Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison B	on B Unknown Radiological	ogical	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Olsposal By Lab Mont	essed if samples are retaine	ed longer than 1 month) iive For Months
, III, IV, Other (specify)			Special Instructions/QC Requirements:		
Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Registratished by:	Date/Time:	Company	Received by: Kmullm Will	Munn Date Time; 8/20	HW Company Ans
	Dater rime:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:	rks: Ambiant	

Login Sample Receipt Checklist

Client: St. John Environmental Consulting

Job Number: 810-132150-1

Login Number: 132150 List Source: Eurofins Eaton Analytical South Bend

List Number: 1

Creator: Williams, Kameron

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	False	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	