JOB DESCRIPTION

PREPARED FOR

Attn: Ian St. John

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St. Joseph School District - Lake

St. John Environmental Consulting

Saint Louis, Missouri 63116

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ANALYTICAL REPORT

JOB NUMBER

810-114283-1

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

Eurofins Eaton Analytical South Bend

Job Notes

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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: St. Joseph School District - Lake Job ID: 810-114283-1

Qualifiers

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Qualifier **Qualifier Description**

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

Glossary

LOD

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)

LOQ Limit of Quantitation (DoD/DOE) MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Limit of Detection (DoD/DOE)

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 **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) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

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

Job ID: 810-114283-1

Eurofins Eaton Analytical South Bend

Job ID: 810-114283-1

Job Narrative 810-114283-1

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 samples were received on 8/5/2024 9:15 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.

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Detection Summary

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Lake Job ID: 810-114283-1

Client Sample ID: SJ	LE - 9 Bubbler					Lak	o S	ample ID:	810-114283-1
— Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.2		0.50		ug/L	1	_	200.8	Total/NA
Client Sample ID: SJ	ILE - 13 Sink					Lak	o S	ample ID:	810-114283-2
– Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.8		0.50		ug/L	1	_	200.8	Total/NA
Client Sample ID: SJ	LE - 14 Bubbler					Lak	o S	ample ID:	810-114283-3
– Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.5		0.50		ug/L	1	_	200.8	Total/NA
Client Sample ID: SJ	ILE - 15 Sink					Lak	o S	ample ID:	810-114283-4
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.1		0.50		ug/L	1	_	200.8	Total/NA
Client Sample ID: SJ	ILE - 18 Sink					Lak	o S	ample ID:	810-114283-5
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.5		0.50		ug/L	1	_	200.8	Total/NA
Client Sample ID: SJ	ILE - 33 ICE					Lak	o S	ample ID:	810-114283-6
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.82		0.50		ug/L	1	_	200.8	Total/NA

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8/12/2024

Client Sample ID: SJLE - 9 Bubbler

Lab Sample ID: 810-114283-1

Date Collected: 08/01/24 08:00 Date Received: 08/05/24 09:15

Matrix: Drinking Water

Mothod: EDA 200 8 - Metals (ICP/MS)

sult Qualifier	RL MC	DL Unit	D	Prepared	Analyzed	Dil Fac
4.2	0.50	ug/L			08/12/24 14:32	1
	4.2 Qualifier					

Client Sample ID: SJLE - 13 Sink Lab Sample ID: 810-114283-2

Date Collected: 08/01/24 08:00 Date Received: 08/05/24 09:15

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed 0.50 08/12/24 14:33 Lead 2.8 ug/L

Client Sample ID: SJLE - 14 Bubbler Lab Sample ID: 810-114283-3

Date Collected: 08/01/24 08:00 Date Received: 08/05/24 09:15

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Lead 0.50 08/12/24 14:35 2.5 ug/L

Client Sample ID: SJLE - 15 Sink Lab Sample ID: 810-114283-4

Date Collected: 08/01/24 08:00

Date Received: 08/05/24 09:15

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 0.50 08/12/24 14:37 Lead ug/L 3.1

Client Sample ID: SJLE - 18 Sink Lab Sample ID: 810-114283-5

Date Collected: 08/01/24 08:00

Date Received: 08/05/24 09:15

Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Lead 0.50 ug/L 08/12/24 14:43

Client Sample ID: SJLE - 33 ICE

Lab Sample ID: 810-114283-6

Matrix: Drinking Water

Date Collected: 08/01/24 08:00

Date Received: 08/05/24 09:15

Method: EPA 200.8 - Metals (ICP/MS) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 0.50 08/12/24 14:45 Lead 0.82 ug/L

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Lake Job ID: 810-114283-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 810-109645/11	Client Sample ID: Method Blank
Matrix: Drinking Water	Prep Type: Total/NA

Matrix: Drinking Water Analysis Batch: 109645

Analyte Lead

МВ	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.50		0.50		ug/L			08/12/24 12:39	1

Lab Sample ID: MB 810-109645/71 Client Sample ID: Method Blank **Matrix: Drinking Water** Prep Type: Total/NA

Analysis Batch: 109645

	MR MR						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.50	0.50	ug/L			08/12/24 14:26	1

Lab Sample ID: LCS 810-109645/72 **Client Sample ID: Lab Control Sample Matrix: Drinking Water** Prep Type: Total/NA

Analysis Batch: 109645

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits	
Lead	50.0	52.0	uç]/L	104	85 - 115	

Lab Sample ID: LLCS 810-109645/10 **Client Sample ID: Lab Control Sample Matrix: Drinking Water** Prep Type: Total/NA

Analysis Batch: 109645

		Spike	LLCS	LLCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Lead		0.300	0.321	J	ug/L		107	50 - 150	

Lab Sample ID: 810-114283-4 MS Client Sample ID: SJLE - 15 Sink **Matrix: Drinking Water** Prep Type: Total/NA

Analysis Batch: 109645

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Lead	3.1		50.0	59.3		ua/L		112	70 - 130		_

Lab Sample ID: 810-114283-4 MSD Client Sample ID: SJLE - 15 Sink Prep Type: Total/NA

Matrix: Drinking Water Analysis Batch: 109645

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Lead	3.1		50.0	58.0		ug/L		110	70 - 130	2	20	

QC Association Summary

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Lake Job ID: 810-114283-1

Metals

Analysis Batch: 109645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-114283-1	SJLE - 9 Bubbler	Total/NA	Drinking Water	200.8	
810-114283-2	SJLE - 13 Sink	Total/NA	Drinking Water	200.8	
810-114283-3	SJLE - 14 Bubbler	Total/NA	Drinking Water	200.8	
810-114283-4	SJLE - 15 Sink	Total/NA	Drinking Water	200.8	
810-114283-5	SJLE - 18 Sink	Total/NA	Drinking Water	200.8	
810-114283-6	SJLE - 33 ICE	Total/NA	Drinking Water	200.8	
MB 810-109645/11	Method Blank	Total/NA	Drinking Water	200.8	
MB 810-109645/71	Method Blank	Total/NA	Drinking Water	200.8	
LCS 810-109645/72	Lab Control Sample	Total/NA	Drinking Water	200.8	
LLCS 810-109645/10	Lab Control Sample	Total/NA	Drinking Water	200.8	
810-114283-4 MS	SJLE - 15 Sink	Total/NA	Drinking Water	200.8	
810-114283-4 MSD	SJLE - 15 Sink	Total/NA	Drinking Water	200.8	

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Matrix: Drinking Water

Client Sample ID: SJLE - 9 Bubbler

Date Collected: 08/01/24 08:00 Date Received: 08/05/24 09:15 Lab Sample ID: 810-114283-1

Matrix: Drinking Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	109645	NB	EA SB	08/12/24 14:32

Client Sample ID: SJLE - 13 Sink Lab Sample ID: 810-114283-2

Date Collected: 08/01/24 08:00 Date Received: 08/05/24 09:15

_								
	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8			109645	NB	EA SB	08/12/24 14:33

Client Sample ID: SJLE - 14 Bubbler Lab Sample ID: 810-114283-3

Date Collected: 08/01/24 08:00 Date Received: 08/05/24 09:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	109645	NB	EA SB	08/12/24 14:35

Client Sample ID: SJLE - 15 Sink

Lab Sample ID: 810-114283-4

Date Collected: 08/01/24 08:00

Date Received: 08/05/24 09:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8			109645	NB	EA SB	08/12/24 14:37

Client Sample ID: SJLE - 18 Sink Lab Sample ID: 810-114283-5

Date Collected: 08/01/24 08:00 Date Received: 08/05/24 09:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8		1	109645	NR	FA SB	08/12/24 14:43

Client Sample ID: SJLE - 33 ICE

Lab Sample ID: 810-114283-6

Date Collected: 08/01/24 08:00 Date Received: 08/05/24 09:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	200.8			109645	NB	EA SB	08/12/24 14:45

Laboratory References:

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

8/12/2024

Accreditation/Certification Summary

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Lake Job ID: 810-114283-1

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

Method Summary

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Lake Job ID: 810-114283-1

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

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Sample Summary

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Lake Job ID: 810-114283-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-114283-1	SJLE - 9 Bubbler	Drinking Water	08/01/24 08:00	08/05/24 09:15
810-114283-2	SJLE - 13 Sink	Drinking Water	08/01/24 08:00	08/05/24 09:15
810-114283-3	SJLE - 14 Bubbler	Drinking Water	08/01/24 08:00	08/05/24 09:15
810-114283-4	SJLE - 15 Sink	Drinking Water	08/01/24 08:00	08/05/24 09:15
810-114283-5	SJLE - 18 Sink	Drinking Water	08/01/24 08:00	08/05/24 09:15
810-114283-6	SJLE - 33 ICE	Drinking Water	08/01/24 08:00	08/05/24 09:15

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Login Sample Receipt Checklist

Client: St. John Environmental Consulting

Job Number: 810-114283-1

Login Number: 114283 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.	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	

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