

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ian St. John St. John Environmental Consulting 5515 Grace Ave. Saint Louis, Missouri 63116 Generated 8/12/2024 11:57:46 PM

JOB DESCRIPTION

St. Joseph School District - Pickett Elementary

JOB NUMBER

810-114284-1

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



See page two for job notes and contact information.

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

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Definitions/Glossary

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Pickett Elementary

Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

Qualifiers

TEQ

TNTC

Qualifiers		3
Metals		
Qualifier	Qualifier Description	4
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5
Glossary		3
Abbreviation	These commonly used abbreviations may or may not be present in this report.	6
¤	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	8
CNF	Contains No Free Liquid	0
DER	Duplicate Error Ratio (normalized absolute difference)	0
Dil Fac	Dilution Factor	9
DL	Detection Limit (DoD/DOE)	4.0
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)	13
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)	

Job ID: 810-114284-1

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Job Narrative 810-114284-1

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.

Detection Summary

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Pickett Elementary

Job ID: 810-114284-1

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Client Sample ID: SJPE - 8	3 Sink					Lab	Sample ID	: 810-114284-1
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: SJPE - '	10 Sink					Lab	Sample ID	: 810-114284-2
– 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: SJPE - ²	11 Sink					Lab	Sample ID	: 810-114284-3
 Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
Lead	1.8		0.50		ug/L	1	200.8	Total/NA
Client Sample ID: SJPE - ²	19 Sink					Lat	Sample ID	: 810-114284-4
– Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
Lead	1.9		0.50		ug/L	1	200.8	Total/NA

Client Sample Results

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Pickett Elementary Job ID: 810-114284-1

Project/Site: St. Joseph School District -	FICKELL EI	ementary							
Client Sample ID: SJPE - 8 Sinl	k						Lab Sam	ple ID: 810-11	
Date Collected: 08/01/24 08:00								Matrix: Drinkin	g Water
Date Received: 08/05/24 09:15									
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			08/12/24 14:46	1
Client Sample ID: SJPE - 10 Sir	nk						Lab Sam	ple ID: 810-11	4284-2
Date Collected: 08/01/24 08:00								Matrix: Drinkin	
Date Received: 08/05/24 09:15									3
_ 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			08/12/24 14:48	1
Client Sample ID: SJPE - 11 Sir	nk						Lab Sam	ple ID: 810-11	4284-3
Date Collected: 08/01/24 08:00								Matrix: Drinkin	
Date Received: 08/05/24 09:15									J
_ Method: EPA 200.8 - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.8		0.50		ug/L			08/12/24 14:50	1
Client Sample ID: SJPE - 19 Sir	nk						Lab Sam	ple ID: 810-11	4284-4
Date Collected: 08/01/24 08:00								Matrix: Drinkin	
Date Received: 08/05/24 09:15									-
_ Method: EPA 200.8 - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.9		0.50		ug/L			08/12/24 14:58	1

QC Sample Results

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Pickett Elementary

Job ID: 810-114284-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 810-109645/11											client S	ample ID: Metho	
Matrix: Drinking Water												Prep Type:	Fotal/NA
Analysis Batch: 109645													
	MB	MB											
Analyte	Result	Qualifier		RL		MDL	Unit			Pr	repared	Analyzed	Dil Fac
Lead	<0.50			0.50			ug/L					08/12/24 12:39	1
Lab Sample ID: MB 810-109645/41											Client S	ample ID: Metho	d Blank
Matrix: Drinking Water												Prep Type:	Total/NA
Analysis Batch: 109645													
-	MB	МВ											
Analyte	Result	Qualifier		RL		MDL	Unit		D	Pr	repared	Analyzed	Dil Fac
Lead	<0.50			0.50			ug/L					08/12/24 13:30	1
Lab Sample ID: MB 810-109645/71											Client S	ample ID: Metho	d Blank
Matrix: Drinking Water												Prep Type:	
Analysis Batch: 109645													
	мв	мв											
Analyte		Qualifier		RL		MDL	Unit		D	Pr	repared	Analyzed	Dil Fac
Lead	<0.50			0.50			ug/L					08/12/24 14:26	1
- Lab Sample ID: LCS 810-109645/42									Cli	ont	Sample	ID: Lab Control	Sample
Matrix: Drinking Water									•		oumpio	Prep Type:	
Analysis Batch: 109645													
Analysis Batch. 103045			Spike		LCS	LCS						%Rec	
Analyte			Added		Result		ifier	Unit		D	%Rec	Limits	
Lead			50.0		50.4	Quu		ug/L		_	101	85 - 115	
- - 									CI	ont	Sample	D: Lab Control	Sample
Lab Sample ID: LCS 810-109645/72									Cli	ent	Sample	ID: Lab Control	
Matrix: Drinking Water									Cli	ent	Sample	ID: Lab Control Prep Type: `	
			Spika		1.05	1.00			Cli	ent	Sample	Prep Type:	
Matrix: Drinking Water Analysis Batch: 109645			Spike		LCS		ifier	Unit	Cli		-	Prep Type: *	
Matrix: Drinking Water			Spike Added 50.0		LCS Result 52.0		ifier	Unit ug/L	Cli	ent	Sample %Rec 104	Prep Type:	
Matrix: Drinking Water Analysis Batch: 109645 Analyte Lead			Added		Result		ifier			<u>D</u>	%Rec 104	Kec Limits 85 - 115	Total/NA
Matrix: Drinking Water Analysis Batch: 109645 Analyte Lead Lab Sample ID: LLCS 810-109645/10			Added		Result		ifier			<u>D</u>	%Rec 104	Prep Type: 7 %Rec Limits 85 - 115 • ID: Lab Control	Total/NA
Matrix: Drinking Water Analysis Batch: 109645 Analyte Lead Lab Sample ID: LLCS 810-109645/10 Matrix: Drinking Water			Added		Result		ifier			<u>D</u>	%Rec 104	Kec Limits 85 - 115	Total/NA
Matrix: Drinking Water Analysis Batch: 109645 Analyte Lead Lab Sample ID: LLCS 810-109645/10			Added 50.0		Result 52.0	Qual				<u>D</u>	%Rec 104	Prep Type: *	Total/NA
Matrix: Drinking Water Analysis Batch: 109645 Analyte Lead Lab Sample ID: LLCS 810-109645/10 Matrix: Drinking Water			Added		Result	Qual	6			<u>D</u>	%Rec 104	Prep Type: 7 %Rec Limits 85 - 115 • ID: Lab Control	Total/NA

QC Association Summary

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Pickett Elementary Job ID: 810-114284-1

Metals

Analysis Batch: 109645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-114284-1	SJPE - 8 Sink	Total/NA	Drinking Water	200.8	
810-114284-2	SJPE - 10 Sink	Total/NA	Drinking Water	200.8	
810-114284-3	SJPE - 11 Sink	Total/NA	Drinking Water	200.8	
810-114284-4	SJPE - 19 Sink	Total/NA	Drinking Water	200.8	
MB 810-109645/11	Method Blank	Total/NA	Drinking Water	200.8	
MB 810-109645/41	Method Blank	Total/NA	Drinking Water	200.8	
MB 810-109645/71	Method Blank	Total/NA	Drinking Water	200.8	
LCS 810-109645/42	Lab Control Sample	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	

Lab Chronicle

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Pickett Elementary

Client Sample ID: SJPE - 8 Sink

Job ID: 810-114284-1

Lab Sample ID: 810-114284-1

Date Collected	. 00/01/24 00:0	•						Matrix: Drink	ing wate
Date Received:	: 08/05/24 09:1	5							
_	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 14:46	
Client Samp	le ID: SJPE	- 10 Sink						Lab Sample ID: 810-1	14284
Date Collected	: 08/01/24 08:0	0						Matrix: Drink	ing Wat
Date Received:	: 08/05/24 09:1	5							
_	Batch	Batch		Dilution	Batch			Prepared	
Prep Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
	Amelia	200.8		1	109645	NB	EA SB	08/12/24 14:48	
Total/NA	Analysis	200.0							
_	,							Lab Sample ID: 810-1	14284
Client Samp	le ID: SJPE : 08/01/24 08:0	- 11 Sink 0						Lab Sample ID: 810-1 Matrix: Drinki	
Client Samp	le ID: SJPE	- 11 Sink 0							
Client Samp	le ID: SJPE : 08/01/24 08:0	- 11 Sink 0		Dilution	Batch				
Client Samp	le ID: SJPE : 08/01/24 08:0 : 08/05/24 09:1	- 11 Sink ⁰ 5	Run	Dilution Factor		Analyst	Lab	Matrix: Drinki	
Client Samp Date Collected Date Received:	le ID: SJPE : 08/01/24 08:0 : 08/05/24 09:1 Batch	- 11 Sink 0 5 Batch	Run				Lab EA SB	Matrix: Drink	
Client Samp Date Collected Date Received: Prep Type Total/NA	le ID: SJPE : 08/01/24 08:0 : 08/05/24 09:1 Batch Type	- 11 Sink 0 5 Batch <u>Method</u> 200.8	Run	Factor	Number			Matrix: Drink	ing Wa
Client Samp Date Collected Date Received: Prep Type Total/NA Client Samp	le ID: SJPE : 08/01/24 08:0 : 08/05/24 09:1 Batch Type Analysis	- 11 Sink 0 5 Batch <u>Method</u> 200.8 - 19 Sink	Run	Factor	Number			Matrix: Drink Prepared or Analyzed 08/12/24 14:50	ing Wat
Client Samp Date Collected Date Received: Prep Type Total/NA Client Samp Date Collected	le ID: SJPE - : 08/01/24 08:0 : 08/05/24 09:1 Batch Type Analysis le ID: SJPE -	- 11 Sink 0 5 Batch <u>Method</u> 200.8 - 19 Sink 0	Run	Factor	Number			Matrix: Drink Prepared or Analyzed 08/12/24 14:50 Lab Sample ID: 810-1	ing Wat
Client Samp Date Collected Date Received: Prep Type Total/NA Client Samp Date Collected	le ID: SJPE : 08/01/24 08:0 : 08/05/24 09:1 Batch Type Analysis le ID: SJPE : 08/01/24 08:0	- 11 Sink 0 5 Batch <u>Method</u> 200.8 - 19 Sink 0	<u>Run</u>	Factor	Number			Matrix: Drink Prepared or Analyzed 08/12/24 14:50 Lab Sample ID: 810-1	ing Wat
Client Samp Date Collected Date Received: Prep Type Total/NA Client Samp Date Collected	le ID: SJPE : 08/01/24 08:0 : 08/05/24 09:12 Batch Type Analysis le ID: SJPE : 08/01/24 08:0 : 08/05/24 09:12	- 11 Sink 0 5 Batch <u>Method</u> 200.8 - 19 Sink 0 5	Run	_ Factor 1	Number 109645 Batch			Matrix: Drinki Prepared or Analyzed 08/12/24 14:50 Lab Sample ID: 810-1 Matrix: Drinki	ing Wat

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

	Eaton Analytical South Bend			
accreditations/certifications list	isted below are applicable to this report.			- 1
Authority	Program	Identification Number	Expiration Date	
lissouri	State	880	09-30-24	

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Pickett Elementary

5
8
9
11

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

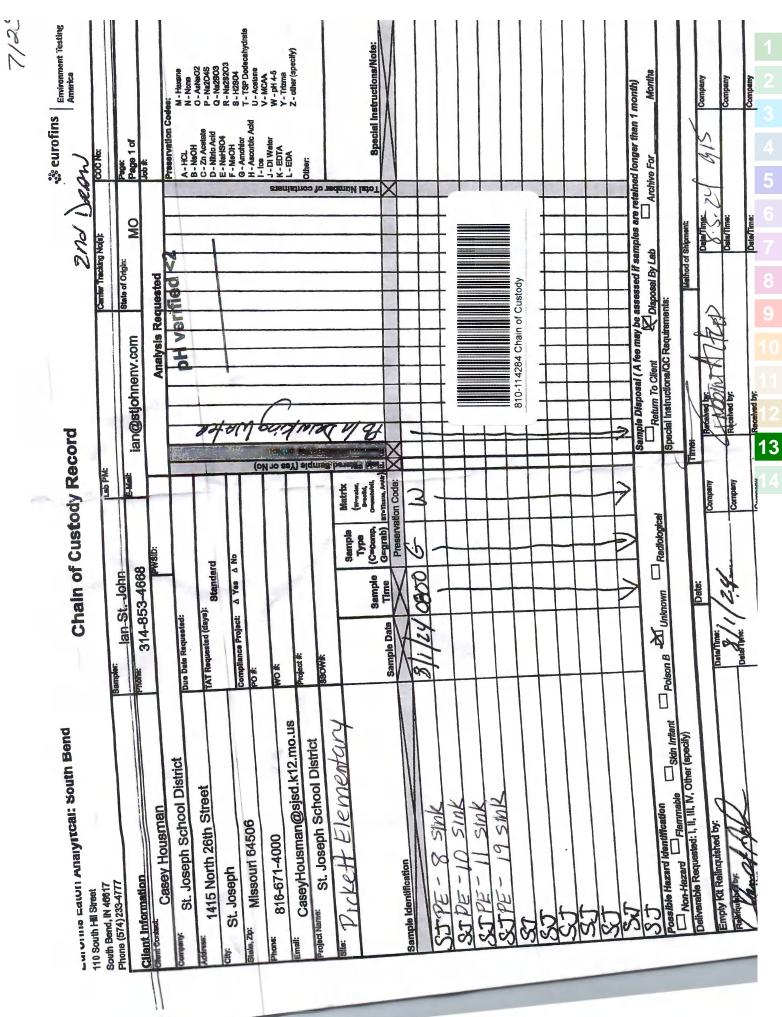
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Sample Summary

Client: St. John Environmental Consulting Project/Site: St. Joseph School District - Pickett Elementary

Job ID: 810-114284-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-114284-1	SJPE - 8 Sink	Drinking Water	08/01/24 08:00	08/05/24 09:15
810-114284-2	SJPE - 10 Sink	Drinking Water	08/01/24 08:00	08/05/24 09:15
810-114284-3	SJPE - 11 Sink	Drinking Water	08/01/24 08:00	08/05/24 09:15
810-114284-4	SJPE - 19 Sink	Drinking Water	08/01/24 08:00	08/05/24 09:15





Login Sample Receipt Checklist

Client: St. John Environmental Consulting

Login Number: 114284 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	

Job Number: 810-114284-1

List Source: Eurofins Eaton Analytical South Bend