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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/23/2024 8:14:36 AM

JOB DESCRIPTION

St. Joseph School District - Pear

JOB NUMBER

810-132113-1

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

See page two for job notes and contact information.

myEOL

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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12/23/2024 8:14:36 AM

Authorized for release by
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Table of Contents

Definitions/Glossary

Client: St. John Environmental Consulting
Job ID: 810-132113-1
Project/Site: St. Joseph School District - Pear

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.
☼	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

Job Narrative
810-132113-1

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.

Detection Summary

Client: St. John Environmental Consulting
Job ID: 810-132113-1
Project/Site: St. Joseph School District - Pear

Client Sample ID: SJP-3 Sink
Lab Sample ID: 810-132113-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.8		0.50		ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: St. John Environmental Consulting
Job ID: 810-132113-1
Project/Site: St. Joseph School District - Pear

Client Sample ID: SJP-3 Sink
Lab Sample ID: 810-132113-1
Date Collected: 12/13/24 08:00
Matrix: Drinking Water
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	2.8		0.50		ug/L			12/19/24 21:12	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 810-127415/102
Matrix: Drinking Water
Analysis Batch: 127415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.12		0.50		ug/L			12/19/24 19:42	1

Lab Sample ID: MBL 810-127415/12
Matrix: Drinking Water
Analysis Batch: 127415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.12		0.50		ug/L			12/19/24 15:36	1

Lab Sample ID: MBL 810-127415/132
Matrix: Drinking Water
Analysis Batch: 127415

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.12		0.50		ug/L			12/19/24 21:04	1

Lab Sample ID: LCS 810-127415/103
Matrix: Drinking Water
Analysis Batch: 127415

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	49.9		ug/L		100	85 - 115

Lab Sample ID: LCS 810-127415/133
Matrix: Drinking Water
Analysis Batch: 127415

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	49.9		ug/L		100	85 - 115

Lab Sample ID: LLCS 810-127415/11
Matrix: Drinking Water
Analysis Batch: 127415

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	0.307	J	ug/L		102	50 - 150

QC Association Summary

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

Job ID: 810-132113-1

Metals

Analysis Batch: 127415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-132113-1	SJP-3 Sink	Total/NA	Drinking Water	200.8	
MBL 810-127415/102	Method Blank	Total/NA	Drinking Water	200.8	
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 810-127415/103	Lab Control Sample	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
Job ID: 810-132113-1
Project/Site: St. Joseph School District - Pear

Client Sample ID: SJP-3 Sink
Lab Sample ID: 810-132113-1
Date Collected: 12/13/24 08:00
Matrix: Drinking Water
Date Received: 12/18/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	127415	CA	EA SB	12/19/24 21:12

Laboratory References:

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

Accreditation/Certification Summary

Client: St. John Environmental Consulting
Job ID: 810-132113-1
Project/Site: St. Joseph School District - Pear

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

Method Summary

Client: St. John Environmental Consulting
Job ID: 810-132113-1
Project/Site: St. Joseph School District - Pear

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: St. Joseph School District - Pear

Job ID: 810-132113-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-132113-1	SJP-3 Sink	Drinking Water	12/13/24 08:00	12/18/24 10:00

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

Chain of Custody Record

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Client Information	Sampler: Ian St. John	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Casey Housman	Phone: 314-853-4668	E-Mail: ian@stjohnenv.com	State of Origin: MO	Page: Page 1 of 1
Company: St. Joseph School District	PWSID:			Job #:
Address: 1415 North 26th Street	Due Date Requested:			
City: St. Joseph	TAT Requested (days): Standard			
State, Zip: Missouri 64506	Compliance Project: Δ Yes Δ No			
Phone: 816-671-4000	PO #:			
Email: CaseyHousman@sjsd.k12.mo.us	WO #:			
Project Name: St. Joseph School District	Project #:			
Site: PeaR	SSOW#:			

Analysis Requested

810-132113 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	B In Drinking Water	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SJP-3 Sink	12/13/2024	0800	G	W			1		*Recd unpreserved. Will preserve upon receipt. * KW 12/18/2024

3RD DRAW

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/12/24		Kameron Williams	12/18/2024 1000	EEA-SB
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: Ambient

Ver: 02/24/23

Login Sample Receipt Checklist

Client: St. John Environmental Consulting

Job Number: 810-132113-1

Login Number: 132113

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	