

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Karen Marino
Noah's Ark Academy
900 Raritan Avenue
Highland Park, New Jersey 08904

Generated 1/30/2025 10:33:18 AM

JOB DESCRIPTION

Noah's Ark Academy

JOB NUMBER

460-319347-1

Eurofins Edison

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 Environment Testing Northeast, LLC Project Manager.

Authorization

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Definitions/Glossary

Client: Noah's Ark Academy
Project/Site: Noah's Ark Academy

Job ID: 460-319347-1

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.
U	Indicates the analyte was analyzed for but not detected.

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

Case Narrative

Client: Noah's Ark Academy
Project: Noah's Ark Academy

Job ID: 460-319347-1

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Job Narrative 460-319347-1

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 1/27/2025 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Old Kitchen Filter Sink (460-319347-1), Old Kitchen (460-319347-2) and New Kitchen (460-319347-3) Sample IDs, dates, and times were not listed on the COC, and were entered from the containers.

Metals

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

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Client Sample Results

Client: Noah's Ark Academy
Project/Site: Noah's Ark Academy

Job ID: 460-319347-1

Client Sample ID: Old Kitchen Filter Sink

Lab Sample ID: 460-319347-1

Date Collected: 01/27/25 07:15

Matrix: Water

Date Received: 01/27/25 10:40

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	1.7	U	2.5	1.7	ug/L		01/29/25 11:55	01/29/25 16:16	1
Lead	0.25	U	2.0	0.25	ug/L		01/29/25 11:55	01/29/25 16:16	1

Client Sample ID: Old Kitchen

Lab Sample ID: 460-319347-2

Date Collected: 01/27/25 07:16

Matrix: Water

Date Received: 01/27/25 10:40

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	37.4		2.5	1.7	ug/L		01/29/25 11:55	01/29/25 16:18	1
Lead	0.25	U	2.0	0.25	ug/L		01/29/25 11:55	01/29/25 16:18	1

Client Sample ID: New Kitchen

Lab Sample ID: 460-319347-3

Date Collected: 01/27/25 07:24

Matrix: Water

Date Received: 01/27/25 10:40

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	21.8		2.5	1.7	ug/L		01/29/25 11:55	01/29/25 16:19	1
Lead	0.75	J	2.0	0.25	ug/L		01/29/25 11:55	01/29/25 16:19	1

Lab Chronicle

Client: Noah's Ark Academy
Project/Site: Noah's Ark Academy

Job ID: 460-319347-1

Client Sample ID: Old Kitchen Filter Sink

Date Collected: 01/27/25 07:15

Date Received: 01/27/25 10:40

Lab Sample ID: 460-319347-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200			1018589	CDC	EET EDI	01/29/25 11:55
Total/NA	Analysis	200.8		1	1018618	CDC	EET EDI	01/29/25 16:16

Client Sample ID: Old Kitchen

Date Collected: 01/27/25 07:16

Date Received: 01/27/25 10:40

Lab Sample ID: 460-319347-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200			1018589	CDC	EET EDI	01/29/25 11:55
Total/NA	Analysis	200.8		1	1018618	CDC	EET EDI	01/29/25 16:18

Client Sample ID: New Kitchen

Date Collected: 01/27/25 07:24

Date Received: 01/27/25 10:40

Lab Sample ID: 460-319347-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200			1018589	CDC	EET EDI	01/29/25 11:55
Total/NA	Analysis	200.8		1	1018618	CDC	EET EDI	01/29/25 16:19

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Noah's Ark Academy
Project/Site: Noah's Ark Academy

Job ID: 460-319347-1

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	12028	06-30-25

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Method Summary

Client: Noah's Ark Academy
Project/Site: Noah's Ark Academy

Job ID: 460-319347-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET EDI
200	Preparation, Metals	EPA	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Noah's Ark Academy
Project/Site: Noah's Ark Academy

Job ID: 460-319347-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-319347-1	Old Kitchen Filter Sink	Water	01/27/25 07:15	01/27/25 10:40
460-319347-2	Old Kitchen	Water	01/27/25 07:16	01/27/25 10:40
460-319347-3	New Kitchen	Water	01/27/25 07:24	01/27/25 10:40

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Client Information			Sampler: Lab PW: Miller Jill K E-Mail: Jill.Miller@et.eurofinsus.com			COC No: 460-190582-108241 1		
Company Name: Noah's Ark Academy			Phone: 			Page: Page 1 of 1		
Address: 900 Raritan Avenue City: Highland Park State, Zip: NJ 08904 Phone: 732-985-0001(Tel) Email: noahsarkofhp@hotmail.com			PWSID: 			Job #: 319347		
Due Date Requested: TAT Requested (days): 10 days Compliance Project: Δ Yes Δ No PO #: Advance Payment Required WO #: Project #: 46025421 SSOW#:						Preservation Codes: D HNC3		
Other:								
Sample Identification			Analysis Requested			Special Instructions/Note:		
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=aqu)	Field Filled Sample (Yes or No)	Potential MS/MSD (Yes or No)	200.8 Copper & Lead (ICP/MS)	Total Number of Containers	
		G Water	X	D X			1	
		G Water	X	D X			1	
		G Water	X	D X			1	
460-319347 Chain of Custody								
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I II, III, IV Other (specify) _____								
Empty Kit Relinquished by _____ Date: _____ Method of Shipment: _____								
Relinquished by: Tail Mawell Date/Time: 12/25 10:40 Company: EBFH								
Relinquished by: _____ Date/Time: _____ Company: _____								
Relinquished by: _____ Date/Time: _____ Company: _____								
Custody Seals Intact: Δ Yes Δ No Custody Seal No. _____ Cooler Temperature(s) °C and Other Remarks: _____								

Ln3615

IR Gun #

Cooler Temperatures

Corrected	°C	°C	°C
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Total
phos
H₂O₂)

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if pH adjustments are required record the information below:

Volume of Preservative used (ml)

Expiration Date:

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Date: 1/27/25

Login Sample Receipt Checklist

Client: Noah's Ark Academy

Job Number: 460-319347-1

Login Number: 319347

List Number: 1

Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	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.	False	Refer to Job Narrative for details.
Is the Field Sampler's name present on COC?	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	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	