eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-201128-1
Client Project/Site: Drinking Water Lead

For:
Prep Charter High School
1928 Point Breeze Avenue
Philadelphia, Pennsylvania 19145

Attn: Jeremy Kane

Authorized for release by:
1/28/2020 11:59:23 AM

Jill Miller, Senior Project Manager
(484)685-0871
jill.miller@testamericainc.com

Case Narrative

Client: Prep Charter High School
Project/Site: Drinking Water Lead

Job ID: 460-201128-1

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Laboratory: Eurofins TestAmerica, Edison

Narrative

Job Narrative
460-201128-1

Comments
No additional comments.

Receipt
The samples were received on 1/15/2020 9:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

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

Sample Summary

Client: Prep Charter High School
Project/Site: Drinking Water Lead

Job ID: 460-201128-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-201128-1	Conference Room Sink	Water	01/15/20 05:50	01/15/20 21:00	
460-201128-2	Teachers Lounge Sink	Water	01/15/20 05:54	01/15/20 21:00	
460-201128-3	Nurses office Sink	Water	01/15/20 05:57	01/15/20 21:00	
460-201128-4	First Hallway W.F. High	Water	01/15/20 05:59	01/15/20 21:00	
460-201128-5	First Hallway W.F. Low	Water	01/15/20 06:00	01/15/20 21:00	
460-201128-6	Back Hallway W.F. High	Water	01/15/20 06:03	01/15/20 21:00	
460-201128-7	Back Hallway W.F. Low	Water	01/15/20 06:05	01/15/20 21:00	
460-201128-8	Kitchen Sink	Water	01/15/20 06:08	01/15/20 21:00	
460-201128-9	Weight Room W.F. High	Water	01/15/20 06:15	01/15/20 21:00	
460-201128-10	Weight Room W.F. Low	Water	01/15/20 06:16	01/15/20 21:00	
460-201128-11	Laundry Room Sink	Water	01/15/20 06:20	01/15/20 21:00	
460-201128-12	Gym Office Sink	Water	01/15/20 06:12	01/15/20 21:00	
460-201128-13	Boys Locker Room Sink	Water	01/15/20 06:18	01/15/20 21:00	
460-201128-14	Shop Sink	Water	01/15/20 06:23	01/15/20 21:00	

Client Sample Results

Client: Prep Charter High School
Project/Site: Drinking Water Lead

Job ID: 460-201128-1

Client Sample ID: Conference Room Sink
Lab Sample ID: 460-201128-1
Date Collected: 01/15/20 05:50
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.0	J	2.0	0.053	ug/L		01/27/20 23:32	1	VAD

Client Sample ID: Teachers Lounge Sink
Lab Sample ID: 460-201128-2
Date Collected: 01/15/20 05:54
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.34	J	2.0	0.053	ug/L		01/27/20 23:35	1	VAD

Client Sample ID: Nurses office Sink
Lab Sample ID: 460-201128-3
Date Collected: 01/15/20 05:57
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.7	J	2.0	0.053	ug/L		01/27/20 23:38	1	VAD

Client Sample ID: First Hallway W.F. High
Lab Sample ID: 460-201128-4
Date Collected: 01/15/20 05:59
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.077	J	2.0	0.053	ug/L		01/27/20 23:39	1	VAD

Client Sample ID: First Hallway W.F. Low
Lab Sample ID: 460-201128-5
Date Collected: 01/15/20 06:00
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.11	J	2.0	0.053	ug/L		01/27/20 23:43	1	VAD

Client Sample ID: Back Hallway W.F. High
Lab Sample ID: 460-201128-6
Date Collected: 01/15/20 06:03
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.36	J	2.0	0.053	ug/L		01/27/20 23:44	1	VAD

Client Sample ID: Back Hallway W.F. Low
Lab Sample ID: 460-201128-7
Date Collected: 01/15/20 06:05
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.49	J	2.0	0.053	ug/L		01/27/20 23:46	1	VAD

Client Sample Results

Client: Prep Charter High School
Project/Site: Drinking Water Lead

Job ID: 460-201128-1

Client Sample ID: Kitchen Sink
Lab Sample ID: 460-201128-8
Date Collected: 01/15/20 06:08
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	2.2		2.0	0.053	ug/L		01/27/20 23:47	1	VAD

Client Sample ID: Weight Room W.F. High
Lab Sample ID: 460-201128-9
Date Collected: 01/15/20 06:15
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.18	J	2.0	0.053	ug/L		01/27/20 23:49	1	VAD

Client Sample ID: Weight Room W.F. Low
Lab Sample ID: 460-201128-10
Date Collected: 01/15/20 06:16
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.16	J	2.0	0.053	ug/L		01/27/20 23:50	1	VAD

Client Sample ID: Laundry Room Sink
Lab Sample ID: 460-201128-11
Date Collected: 01/15/20 06:20
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.45	J	2.0	0.053	ug/L		01/27/20 23:51	1	VAD

Client Sample ID: Gym Office Sink
Lab Sample ID: 460-201128-12
Date Collected: 01/15/20 06:12
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	51.4		2.0	0.053	ug/L		01/27/20 23:53	1	VAD

Client Sample ID: Boys Locker Room Sink
Lab Sample ID: 460-201128-13
Date Collected: 01/15/20 06:18
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	0.22	J	2.0	0.053	ug/L		01/27/20 23:54	1	VAD

Client Sample ID: Shop Sink
Lab Sample ID: 460-201128-14
Date Collected: 01/15/20 06:23
Matrix: Water
Date Received: 01/15/20 21:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Lead	1.9	J	2.0	0.053	ug/L		01/27/20 23:55	1	VAD

Accreditation/Certification and Definitions Summary

Client: Prep Charter High School
Job ID: 460-201128-1
Project/Site: Drinking Water Lead

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-20
DE Haz. Subst. Cleanup Act (HSCA)	State	<cert No.>	12-31-21
Georgia	State	12028 (NJ)	06-30-20
Massachusetts	State	M-NJ312	06-30-20
Massachusetts	State Program	M-NJ312	06-30-20
New Jersey	NELAP	12028	06-30-20
New York	NELAP	11452	04-01-20
Pennsylvania	NELAP	68-00522	02-28-20
Rhode Island	State	LAO00132	12-30-19 *
USDA	US Federal Programs	P330-18-00135	05-03-21

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Prep Charter High School
Project/Site: Drinking Water Lead

Job ID: 460-201128-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

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Client Information	Sampler: South Jersey Service Center	Lab PM: Miller, Jill K	Carrier Tracking No(s):	COC No: 460-123387-79479.1
Client Contact: Jeremy Kane	Phone: 225	E-Mail: Jill.Miller@testamericainc.com		Page: Page 1 of 2
Company: Prep Charter High School				Job #: 201128
Address: 1928 Point Breeze	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Philadelphia	TAT Requested (days): Standard			
State, Zip: PA, 19145				
Phone: 215-920-3267(Tel)	PO #: Advance Payment Required			
Email: jkane@prepchs.org	WO #:			
Project Name: Drinking Water Lead	Project #: 46031515			
Site:	SSOW#:			

460-201128 Chain of Custody

J - DI Water; K - EDTA; L - EDA; V - MCAA; W - pH 4-5; Z - other (specify); Other:

3.8078

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)	200.8 - (MOD) Lead (ICP/MS)	Total Number of containers	Special Instructions/Note:
			Preservation Code:			D		
Conference Room Sink	1/15/20	0550	G	Water		X		1
Teacher Lounge Sink	1/15/20	0554	G	Water		X		2
Nurses Office Sink	1/15/20	0557	G	Water		X		3
First Hallway W.F. High	1/15/20	0559	G	Water		X		4
First Hallway W.F. Low	1/15/20	0600	G	Water		X		5
Back Hallway W.F. High	1/15/20	0603	G	Water		X		6
Bck Hallway W.F. Low	1/15/20	0605	G	Water		X		7
Kitchen Sink	1/15/20	0608	G	Water		X		8
Weight Room W.F. High	1/15/20	0615	G	Water		X		9
Weight Room W.F. Low	1/15/20	0616	G	Water		X		10
Laundry Room Sink	1/15/20	0620	G	Water		X		11

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		1-15-2020 4:00pm			1/15/20 1200	
2	Relinquished by:	Date/Time: 1/15/20	Company TK	Received by:	Date/Time: 1/15/20	Company
3	Relinquished by:	Date/Time: 1/15/20	Company	Received by:	Date/Time: 1/15/20 2100	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

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Client Information	Sampler:	Lab PM: Miller, Jill K	Carrier Tracking No(s):	COC No: 460-123387-79479.2
Client Contact: Jeremy Kane	Phone:	E-Mail: jill.miller@testamericainc.com (South Jersey Service Center)		Page: Page 2 of 2
Company: Prep Charter High School				Job #:

Analysis Requested

Address: 1928 Point Breeze	Due Date Requested:
City: Philadelphia	TAT Requested (days): standard
State, Zip: PA, 19145	
Phone: 215-920-3267(Tel)	PO #: Advance Payment Required
Email: jkane@prepchs.org	WO #:
Project Name: Drinking Water Lead	Project #: 46031515
Site:	SSOW#:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	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)	200.8 - (MOD) Lead (ICP/MS)	Total Number of containers	Special Instructions/Note:
			Preservation Code:			D		
Gym Office Sink	1/15/20	0612	G	Water		X		12
Boys Locker Room Sink	1/15/20	0618	G	Water		X		13
Shop Sink	1/15/20	0623	G	Water		X		14

3.8 ft 8

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
	1-15-2020 1210pm			1/15/20 1200	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/15/20			1/15/20	
Relinquished by:	Date/Time:	Company	Received by: 2100	Date/Time: 1/15/20 2400	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 201126

IR Gun #: 18

Number of Coolers: 3

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1	°C	°C	Cooler #4	°C	°C	Cooler #7	°C	°C
Cooler #2	°C	°C	Cooler #5	°C	°C	Cooler #8	°C	°C
Cooler #3	°C	°C	Cooler #6	°C	°C	Cooler #9	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											
4				<2											
5				<2											
6				<2											
7				<2											
8				<2											
9				<2											
10				<2											
11				<2											
12				<2											
13 / 14				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

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

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: DM **Date:** 11/5/20