

Serialized: 05/28/2020 01:37pm qc21

KRISTIE DUGAN
NORTHWOOD ACADEMY CHARTER SCHOOL
4621 CASTOR AVE
PHILADELPHIA, PA 19124

Regarding:
NORTHWOOD ACADEMY CHARTER SCHOOL
4621 CASTOR AVE
PHILADELPHIA, PA 19124

PROJECT ID:

ZZ0100 NORTHWOOD

LABORATORY REPORT NUMBER:

L7204489



Authorized by: Douglas J. Gump
Client Services Manager

**EQC RESIDENTIAL ACCOUNT
ZZ0100 NORTHWOOD
NORTHWOOD ACADEMY CHARTER SCHOOL
P.O. No:
Inv. No: 2012208 PI
PWSID:**

KRISTIE DUGAN
NORTHWOOD ACADEMY CHARTER SCHOOL
4621 CASTOR AVE
PHILADELPHIA, PA 19124

Regarding:
KRISTIE DUGAN
NORTHWOOD ACADEMY CHARTER SCHOOL
4621 CASTOR AVE
PHILADELPHIA, PA 19124

SAMPLE SUMMARY

Lab ID	Collected	Received	Matrix	Client ID
L7204489-1	05/12/20 08:00	05/13/20 10:00	WATER	NORTH BUILDING UTILITY SINK
L7204489-2	05/12/20 08:05	05/13/20 10:00	WATER	SOUTH BUILDING UTILITY SINK

Sample Description:	NORTH BUILDING UTILITY SINK	Samp. Date/Time/Temp:	05/12/20 08:00am NA C
Sample Number:	L7204489-1	Sampled by:	Customer
Matrix:	WATER	Iced (Y/N):	N
Received Temp:	21.8 C		

--SUBCONTRACTED RESULT REFERENCES--NORTH BUILDING UTILITY SINK

See attached reports for the following Subcontract Laboratories:

Eurofins - Lancaster Laboratories, Environmental (ELLE)
LEAD

Sample Description:	SOUTH BUILDING UTILITY SINK	Samp. Date/Time/Temp:	05/12/20 08:05am NA C
Sample Number:	L7204489-2	Sampled by:	Customer
Matrix:	WATER	Iced (Y/N):	N
Received Temp:	21.8 C		

--SUBCONTRACTED RESULT REFERENCES--SOUTH BUILDING UTILITY SINK

See attached reports for the following Subcontract Laboratories:

Eurofins - Lancaster Laboratories, Environmental (ELLE)
LEAD



*=This limit was used in the evaluation of the final result.

PIN: 4955

Serial Number: 6601564

DEFINITIONS

The following terms or abbreviations are used in this report:

Eurofins QC, LLC (EQC)

<	Less than: In conjunction with a numerical value, indicates a concentration less than RL / MDL
>	Greater than: In conjunction with a numerical value, indicates a concentration greater than RL / MDL
CFU	Colony Forming Unit
DF	Dilution Factor (For Microbiology, DF = volume of sample tested)
DRY	Result was reported on a dry weight basis
MCL	EPA recommended "Maximum Contaminant Level"
MDL	Method Detection Limit
MF	Membrane Filtration
MPN	Most Probable Number
ND	For odor test: No Odor Observed
ND	For all other tests: Analyte concentration Not Detected greater than the RL / MDL

NEG	Negative / Absent
NTU	Nephelometric Turbidity Units
POS	Positive / Present
PPB (µg/L)	Parts per billion: equivalent to 1 microgram per kilogram (µg/Kg) for solids or one microgram per liter (µg/L) for aqueous samples
PPM (mg/L)	Parts per million: equivalent to 1 milligram per kilogram (mg/Kg) for solids or one milligram per liter (mg/L) for aqueous samples
PRES	Presumptive
QUAL	Qualifier (Q)
RL	Laboratory Reporting Limit or Limit of Quantitation (LOQ)
TNTC	Too Numerous To Count
TON	Threshold Odor Number

Data Qualifiers

J	Estimated value ≥ MDL, but < RL
T	Temperature exceedance at receipt, refer to Sample Comments / Results Qualifiers section
E	Estimated CFU count (Microbiology)
Q	Qualifier defined in Sample Comment section on report

Warranties, Terms, and Conditions

- Unless otherwise indicated in the Parameter field, analyses for environmental microbiology, odor, and pharmaceutical microbiology are performed at the EQC Horsham Facility (702 Electronic Dr. Horsham, PA 19044).
- Analyses for Field Parameters are performed by EQC Field staff. Locations and certifications are identified on the Chain of Custody as follows:
 - "ERF" = field staff performs tests under NJ State certification # 02015.
 - "VL" = field staff performs tests under NJ State certification # 06005.
 - "WG" = field staff performs tests under NJ State certification # PA001.
- Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.
- The report shall not be reproduced, except in full, without the written consent of the laboratory.
- All samples are collected as "grab" samples unless otherwise identified.
- Reported results relate only to the sample as tested. EQC is not responsible for sample integrity unless sampling has been performed by a member of our staff.
- EQC is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance. EQC's internet program "LIVE ACCESS" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.
- The following personnel or their deputies have approved the results of the tests performed by EQC: Nicki Smith (Environmental Chemistry), Amanda Berd (Pharmaceutical Microbiology), and Zachary Smith (Water Microbiology).

EQC Accreditations

Horsham Facility	<u>NELAP/State IDs-</u> PA: 46-05499	NJ: PA093	NY: 12080	MD: 357
East Rutherford Facility	<u>State ID-</u>	NJ: 02015		
Vineland Facility	<u>State ID-</u>	NJ: 06005		
Wind Gap Facility	<u>State ID-</u>	NJ: PA001		



702 Electronic Drive Phone: 215-355-3900
 Horsham, PA 19044 Fax: 215-392-0626

Client/Acct. No. ZZ0100 Northwood
 Address 4621 Castor Ave

City/State/Zip Phila, PA 19124
 Phone/Fax 215-970-3241

Client Contact: John Kelly

CHAIN OF CUSTODY

Page ___ of ___

Lab LIMS No:

L7204489

MATRIX CODES

Bill to/Report to (if different)

Sampling Site Address (if different) Include State

P.O. No.

PWSID #:

Quote #

e-mail:

LAB USE ONLY:

___ Ascorbic/HCL Vials # ___ HCl Vials

___ Na₂S₂O₃ _____

___ Na OH/Zn acetate pH _____

___ HNO₃ pH _____

___ H₂SO₄ pH _____

___ NaOH pH _____

2 Unpreserved 250 ml P

___ HCl # ___ NH₄Cl # ___ MeOH

___ DI Water

DW: DRINKING WATER

GW: GROUND WATER

WW: WASTEWATER

SO: SOIL

SL: SLUDGE

OIL: OIL

SOL: NON SOIL SOLID

MI: MISCELLANEOUS

X: OTHER

Field pH, Temp (°C),
DO, Cl₂, Cond. etc.

R
A
B
B
S
E
C
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PROJECT

Collection

Number of Containers

FIELD ID

Date

Military Time

G
R
A
B
C
O
M
P

Matrix Code

Total

H
2
S
O
4
H
C
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V
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3
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ANALYSIS REQUESTED

* NORTH BUILDING UTILITY SINK

5/12/20 0800

1

X

Pb

SOUTH BUILDING UTILITY SINK

5/12/20 0805

1

X

Pb

SAMPLED BY: (Name/Company)

TAT: STANDARD (10 DAY)

Report Format: Standard NJ-RDD SRP-RDD

Field Parameters Analyzed By:

or DUE DATE / /

Standard + QC Forms EDD

Initials

Date/Time:

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK IE 3AM IS 0300 4PM IS 1600)

RELINQUISHED BY SAMPLER	DATE	TIME	RECEIVED BY	DATE	TIME	DELIVERY: <input type="checkbox"/> EQC COURIER <input type="checkbox"/> CLIENT <input type="checkbox"/> UPS <input type="checkbox"/> FEDEX <input type="checkbox"/> OTHER	Custody Seal Number
1.			1. <i>William Seathum</i>	5/13/2020	1000		
2.			2.			Rec'd Temp.: <u>21.8°C</u> Initials: <u>CHK</u> Ice Y/N <input checked="" type="checkbox"/> Location: <u>60C</u>	
3.			3.			COMMENTS: <u>Paid in Full</u> <u>#280747</u> <u>* FILLED OUT COC FROM</u> <u>information on bottles</u> <u>-CHK</u> <u>5/13/20</u>	
4.			4.				
5.			5.				

Hazardous: yes / no



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Eurofins QC, LLC
702 Electronic Drive
Horsham PA 19044

Report Date: May 28, 2020 10:03

Project: L7204489

Account #: 38593
Group Number: 2099471
State of Sample Origin: PA

Electronic Copy To Eurofins QC, LLC

Attn: Nicki Smith

SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
L7204489-1 Drinking Water	05/12/2020 08:00	1314292
L7204489-2 Drinking Water	05/12/2020 08:05	1314293

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

To view our laboratory's current scopes of accreditation please go to <https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/> . Historical copies may be requested through your project manager.

Sample Description: L7204489-1 Drinking Water
NORTH BUILDING UTILITY SINK

Eurofins QC, LLC
ELLE Sample #: NR 1314292
ELLE Group #: 2099471
Matrix: Drinking Water

Project Name: L7204489

Submittal Date/Time: 05/13/2020 21:40
Collection Date/Time: 05/12/2020 08:00

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals			EPA 200.8 rev 5.4	ug/l	ug/l	
06035	Lead	7439-92-1	1.94	0.668	1.00	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	EPA 200.8 rev 5.4	1	201410705001A	05/27/2020 15:58	Patrick J Engle	1
07050	ICP/MS EPA-600 Digest	EPA 200.8 rev 5.4	1	201410705001	05/20/2020 04:04	James L Mertz	1

Sample Description: L7204489-2 Drinking Water
SOUTH BUILDING UTILITY SINK

Eurofins QC, LLC
ELLE Sample #: NR 1314293
ELLE Group #: 2099471
Matrix: Drinking Water

Project Name: L7204489

Submittal Date/Time: 05/13/2020 21:40
Collection Date/Time: 05/12/2020 08:05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals			EPA 200.8 rev 5.4	ug/l	ug/l	
06035	Lead	7439-92-1	N.D.	0.675	1.01	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	EPA 200.8 rev 5.4	1	201400605101A	05/20/2020 15:37	Janeyah Rivers-Hamilton	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	201400605101	05/19/2020 10:28	James L Mertz	1

*=This limit was used in the evaluation of the final result

2099471

EUROFINS QC, LLC
702 Electronic Drive
Horsham, PA 19044
Contact: Nicki Smith x3360
Phone: 215-355-3900
FAX: 215-392-0626

Bill to:
Horsham, PA 19044

EUROFINS QC, INC.
LANCASTER (ELLE) CHAIN OF CUSTODY
May 13 2020, 03:49 pm



PWSID:

Sample ID	Analysis	Number of Containers										Sampled Date and Time	Tier
-----------	----------	----------------------	--	--	--	--	--	--	--	--	--	-----------------------	------

State: PA

Total	H2SO4	HCl	AscAc	HNO3	NaOH	ZnAc	Unpre	Bact	NaThio	Other		
L7204489-1	NORTH BUILDING UTILITY SINK											05/12/20 08:00 AM
COMM: LEAD IN SCHOOL SAMPLES												

05/26/20 WATER	PB										
----------------	----	--	--	--	--	--	--	--	--	--	--

State: PA

Total	H2SO4	HCl	AscAc	HNO3	NaOH	ZnAc	Unpre	Bact	NaThio	Other		
L7204489-2	SOUTH BUILDING UTILITY SINK											05/12/20 08:05 AM

05/26/20 WATER	PB										
----------------	----	--	--	--	--	--	--	--	--	--	--

Moisture? _____

E-Account Number: 38593 EQC RESIDENTIAL ACCOUNT

CS REP: NONE

Package Type:

Relinquished By	Date	Time
<i>[Signature]</i>	5/13/20	1546
<hr/>		

Received By	Date	Time
<i>[Signature]</i>	5/13/20	1546
<hr/>		
<i>[Signature]</i>	5/13/20	2140

Comments:

[Signature]



QC

CHAIN OF CUSTODY

Page ___ of ___

2099471

Lab LIMS No:

L7204289

MATRIX CODES

702 Electronic Drive Phone: 215-355-3900
Horsham, PA 19044 Fax: 215-392-0626

Client/Acct. No. ZZ0100 Northwood
Address 4621 Castor Ave

City/State/Zip Phila, PA 19124

Phone/Fax 215-970-3241

Client Contact: John Kelly

Bill to/Report to (if different)

Sampling Site Address (if different) Include State

P.O. No.

PWSID #:

Quote #

e-mail:

LAB USE ONLY:

___ Ascorbic/HCL Vials # ___ HCl Vials

___ Na₂S₂O₃

___ Na OH/Zn acetate pH

___ HNO₃ pH

___ H₂SO₄ pH

___ NaOH pH

2 Unpreserved 250 mL P

___ HCl # ___ NH₄Cl # ___ MeOH

___ DI Water

DW: DRINKING WATER

GW: GROUND WATER

WW: WASTEWATER

SO: SOIL

SL: SLUDGE

OIL: OIL

SOL: NON SOIL SOLID

MI: MISCELLANEOUS

X: OTHER

ANALYSIS REQUESTED

Field pH, Temp (°C),
DO, Cl₂, Cond. etc.

PROJECT

Collection

Number of Containers

FIELD ID

Date

Military Time

G R A B
C O M P

Matrix Code

Total

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* NORTH BUILDING UTILITY SINK

5/12/20

0800

1

X

Pb

* SOUTH BUILDING UTILITY SINK

5/12/20

0805

1

X

Pb

SAMPLED BY: (Name/Company)

TAT: STANDARD (10 DAY)

or DUE DATE ___/___/___

Report Format: Standard NJ-RDD SRP-RDD

Standard + QC Forms EDD

Field Parameters Analyzed By:

Initials

Date/Time:

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600)

RELINQUISHED BY SAMPLER	DATE	TIME	RECEIVED BY	DATE	TIME	DELIVERY: <input type="checkbox"/> EQC COURIER <input type="checkbox"/> CLIENT <input type="checkbox"/> UPS <input type="checkbox"/> FEDEX <input type="checkbox"/> OTHER	Custody Seal Number
1.			1. <i>William Seathman</i>	5/13/2020	1000		
2.			2.				
3.			3.				
4.			4.				
5.			5. <i>W. Seathman</i>	5/13/20	2140		

Rec'd Temp.: 21.8°C Initials: CHK Ice Y/N Location: 60C

COMMENTS: Paid in Full #280747
* FILLED OUT COC FROM information on bottles
-CHK 5/13/20

Hazardous: yes/no



Client: EQCL

Delivery and Receipt Information

Delivery Method: EQCL Drop Off Arrival Date: 05/13/2020
 Number of Packages: 1 Number of Projects: 1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	Total Trip Blank Qty:	0
Samples Chilled:	Yes	Air Quality Samples Present:	No
Paperwork Enclosed:	Yes		
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Anthony Peelor

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.*

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	46730061WS	1.7	IR	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mL	milliliter(s)
C	degrees Celsius	MPN	Most Probable Number
cfu	colony forming units	N.D.	non-detect
CP Units	cobalt-chloroplatinate units	ng	nanogram(s)
F	degrees Fahrenheit	NTU	nephelometric turbidity units
g	gram(s)	pg/L	picogram/liter
IU	International Units	RL	Reporting Limit
kg	kilogram(s)	TNTC	Too Numerous To Count
L	liter(s)	µg	microgram(s)
lb.	pound(s)	µL	microliter(s)
m3	cubic meter(s)	umhos/cm	micromhos/cm
meq	milliequivalents	MCL	Maximum Contamination Limit
mg	milligram(s)		
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is less than the LOQ
K2	Continuing Calibration Blank is above the QC limit and the sample result is less than the LOQ
K3	Initial Calibration Verification is above the QC limit and the sample result is less than the LOQ
K4	Continuing Calibration Verification is above the QC limit and the sample result is less than the LOQ
J (or G, I, X)	Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
P^	Concentration difference between the primary and confirmation column $> 40\%$. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report
B	Detection in the Method Blank
Q0	LCS/LCSD Low
Q1	LCS/LCSD High
Q2	MS/MSD Low
Q3	MS/MSD High
Q7	LCS/LCSD RPD
Q8	DUP RPD
Q9	MS/MSD RPD

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.