

Serialized: 05/04/2017 07:08pm QC36

DAVE CAMPANELLA
HAMMONTON BOARD OF EDUCATION
566 OLD FORKS ROAD
HAMMONTON, NJ 08037

Regarding:
HAMMONTON BOARD OF EDUCATION
566 OLD FORKS ROAD
HAMMONTON, NJ 08037

PROJECT ID:

W07818

LABORATORY REPORT NUMBER:

L6770306

PO NUMBER:

16-2237



Authorized by: Raphael C. Fratti, Laboratory Director

DAVE CAMPANELLA
HAMMONTON BOARD OF EDUCATION
566 OLD FORKS ROAD
HAMMONTON, NJ 08037

Regarding:
DAVE CAMPANELLA
HAMMONTON BOARD OF EDUCATION
566 OLD FORKS ROAD
HAMMONTON, NJ 08037

Account No: W07818, HAMMONTON BOARD OF EDUCATION
Project No: W07818, HAMMONTON BOARD OF EDUCATION

P.O. No: 16-2237

Inv. No: 1867109
PWSID No:

Sample ID	Sample Description	Samp. Date/Time/Temp	Sampled by
L6770306-1	FIELD HOUSE, SAMPLE	04/13/17 08:30am NA C	Customer
Received Date/Time/Temp 04/20/17 08:40pm 21.0 C Iced (Y/N): N Exceeds recommended temperature for chemical testing.(T)			

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

Eurofins - Lancaster Laboratories, Environmental (ELLE)
LEAD

Sample ID	Sample Description	Samp. Date/Time/Temp	Sampled by
L6770306-2	FH-WC-WR	04/13/17 08:30am NA C	Customer
Received Date/Time/Temp 04/20/17 08:40pm 21.0 C Iced (Y/N): N Exceeds recommended temperature for chemical testing.(T)			

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

Eurofins - Lancaster Laboratories, Environmental (ELLE)
LEAD

Sample Comments | Result Qualifiers:

L6770306-1 :

L6770306-2 :





QC

1205 Industrial Blvd. Phone: 215-355-3900
 Southampton, PA 18966-0514 Fax: 215-355-7231

Client/Acct. No. Hamonton BoE w0798
 Address 566 Old Forks Rd.
 City/State/Zip Hamonton NJ 08037
 Phone/Fax 609-519-9860
 Client Contact Bob Wilson

CHAIN OF CUSTODY
 Page 1 of 1

Bill to/Report to (if different)
 Sampling Site Address (if different) Include State

Field House
566 Old Forks Rd.
Hamonton, N.J. 08037
 P.O. No. 16-2237 PWSID #: 030309 ANSM
 Quote # Q30309 ANSM
 e-mail: RWilson @ Hamonton PS.ORG

Lab LIMS No: L6770306

MATRIX CODES

LAB USE ONLY:

Ascorbic/HCL Vials # HCl Vials
 # Na₂S₂O₃
 # Na OH/Zn acetate pH
 # HNO₃ pH
 # H₂SO₄ pH
 # NaOH pH
 # 2 Unpreserved 1/2 rpl
 # HCl # NH₄Cl # MeOH

- DW: DRINKING WATER
- GW: GROUND WATER
- WW: WASTEWATER
- SO: SOIL
- SL: SLUDGE
- OIL: OIL
- SOL: NON SOIL SOLID
- MI: MISCELLANEOUS
- X: OTHER

PROJECT	Collection		G R A B	C O M P	Matrix Code	Number of Containers												
	Date	Military Time				Total	H	2	S	O	4	H	V	H	N	Z	U	B
							1	1	1	3	1	1	1	1	1	1	1	1
<u>Sample</u>	<u>4-13-17</u>	<u>8:30</u>	<u>X</u>		<u>DW</u>	<u>1</u>									<u>X</u>			
<u>FH-WC-WR</u>	<u>4-13-17</u>	<u>10:40</u>																

21.0°C # DI Water
OC CHK
 ANALYSIS REQUESTED

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

Lead

SAMPLED BY: (Name/Company) Bob Wilson
Boe Hamonton

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
<u>Robert P. Wilson</u>	<u>4/20/17</u>	<u>11:29</u>	<u>[Signature]</u>	<u>4/20/17</u>	<u>11:29</u>		
<u>[Signature]</u>	<u>4/20/17</u>	<u>1600</u>	<u>Box 1</u>	<u>4/20/17</u>	<u>1600</u>	Rec'd Temp.: <u>12°C</u> Initials: <u>SCS</u> Ice <input checked="" type="checkbox"/> Y/N Location: <u>✓</u>	
<u>Box 1</u>	<u>4/20/17</u>	<u>2000</u>	<u>[Signature]</u>	<u>4/20/17</u>	<u>2000</u>	COMMENTS:	

Hazardous: yes / no



Inter-Laboratory Transport Form: VH042017

Coolers for Transport

To be completed by person sealing coolers					Complete Section Upon Delivery	
Cooler ID No.	Custody Seal No.	Date	Time	Initials	Temp °C	Iced Y/N
203	VH042017-1	4/20/17	1330	JDS	0.1	Y
4	VH042017-2	4/20/17	1600	DEH	1.1	Y
48	VH042017-3	4/20/17	1620	MSD	1.6	Y
062	VH042017-4	4/20/17	1621	MSD	2.8	Y
Box 1	VH042017-5	4/20/17	1630	SLJ	21.0	N
Box 2	VH042017-6	4/20/17	1630	SLJ	19.6	N
Box 3	VH042017-7	4/20/17	1630	SLJ	19.8	N
Box 4	VH042017-8	4/20/17	1630	SLJ	18.5	N
12	VH042017-9	4/20/17	1630	SLJ	0.1	Y
96	VH042017-10	4/20/17	1630	SLJ	0.8	Y
024	VH042017-11	4/20/17	1635	ESM	0.6	Y
68	VH042017-12	4/20/17	1905	AC	0.5	Y

Please Note the Following:

Individual sample chains of custody must accompany this form.

Once a cooler is sealed, custody seals may not be broken until samples are received at the designated EQC laboratory.

Laboratory use only

Custody Seals intact upon receipt? Y N

Initials: *WHM*

List ID of any seal found broken upon receipt below:

A full legal signature is required. Record all times in military time (24-HR Clock; 4:00 PM=1600)

Relinquished by: <i>[Signature]</i>	Date: 4/20/17	Time: 2040	Received by: <i>[Signature]</i>	Date: 4/20/17	Time: 2040
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Eurofins QC Laboratories
1205 Industrial Blvd.
P.O. Box 514
Southampton, PA 18966-0514

Report Date: May 02, 2017

Project: L6770306

Submittal Date: 04/21/2017

Group Number: 1792094

PO Number: L6770306

State of Sample Origin: NJ

Client Sample Description

L6770306-1 Potable Water

L6770306-2 Potable Water

Lancaster Labs

(LL) #

8952218

8952219

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Eurofins QC Laboratories

Attn: Nicki Smith

Respectfully Submitted,



Wendy A. Kozma
Principal Specialist Group Leader

Project Name: L6770306
LL Group #: 1792094

General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

No additional comments are necessary.



Sample Description: L6770306-1 Potable Water
FIELD HOUSE, SAMPLE

LL Sample # NR 8952218
LL Group # 1792094
Account # 37836

Project Name: L6770306

Collected: 04/13/2017 08:30 by BW
Submitted: 04/21/2017 06:30
Reported: 05/02/2017 14:17

Eurofins QC Laboratories
1205 Industrial Blvd.
P.O. Box 514
Southampton, PA 18966-0514

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

Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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	171180605118A	05/01/2017 10:00	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171180605118	04/28/2017 20:15	JoElla L Rice	1

Sample Description: L6770306-2 Potable Water
FH-WC-WR

LL Sample # NR 8952219
LL Group # 1792094
Account # 37836

Project Name: L6770306

Collected: 04/13/2017 08:30 by BW
Submitted: 04/21/2017 06:30
Reported: 05/02/2017 14:17

Eurofins QC Laboratories
1205 Industrial Blvd.
P.O. Box 514
Southampton, PA 18966-0514

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

Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
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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	171180605118A	05/01/2017 10:05	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171180605118	04/28/2017 20:15	JoElla L Rice	1

Quality Control Summary

Client Name: Eurofins QC Laboratories
Reported: 05/02/2017 14:17

Group Number: 1792094

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: 171180605118A	Sample number(s): 8952218-8952219	
Lead	N.D.	1.01

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: 171180605118A	Sample number(s): 8952218-8952219								
Lead	15	15.47			103		85-115		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc	MS Spike Added	MS Conc	MSD Spike Added	MSD Conc	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: 171180605118A	Sample number(s): 8952218-8952219 UNSPK: 8952218									
Lead	N.D.	15.3	15.52			101		70-130		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	ug/l	ug/l		
Batch number: 171180605118A	Sample number(s): 8952218-8952219 BKG: 8952218			
Lead	N.D.	N.D.	0 (1)	20

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Client: QC**Delivery and Receipt Information**

Delivery Method: QC Labs Arrival Timestamp: 04/21/2017 6:30
 Number of Packages: 1 Number of Projects: 3

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	VOA Vial Headspace \geq 6mm:	N/A
Samples Chilled:	No	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Timothy Cubberley (6520) at 07:30 on 04/21/2017

Explanation of Symbols and Abbreviations

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

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	none detected
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	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.		

Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- 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.
- 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.

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.

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.

Additional Data Qualifiers

Qualifier	Definition
B	Detection in the Blank
Q0	LCS/LCSD Low
Q1	LCS/LCSD High
Q4	MS/MSD Out of Range
Q7	LCS/LCSD RPD
Q8	DUP RPD
Q9	MS/MSD RPD