

Serialized: 06/14/2017 11:50pm UG4

ALEX HALE  
WILLINGBORO M.U.A.  
433 JOHN F. KENNEDY WAY  
  
WILLINGBORO, NJ 08046

Regarding:

WILLINGBORO M.U.A.  
72 IRONSIDE COURT  
WILLINGBORO, NJ 08046

**PROJECT ID:**

**W01830 LEAD**

**LABORATORY REPORT NUMBER:**

**L6836251**



Authorized by: Raphael C. Fratti, Laboratory Director

ALEX HALE  
WILLINGBORO M.U.A.  
72 IRONSIDE COURT  
WILLINGBORO, NJ 08046

Regarding:  
ALEX HALE  
WILLINGBORO M.U.A.  
72 IRONSIDE COURT  
WILLINGBORO, NJ 08046

---

**Account No:** W01830, WILLINGBORO MUA  
**Project No:** W01830 LEAD, WILLINGBORO MUA

**P.O. No:**

**Inv. No:** 1872611  
**PWSID No:**

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Sample ID	Sample Description	Samp. Date/Time/Temp	Sampled by
L6836251-1	J.C. STUART ELEMENTARY, SE-CRS-17-FLUSH Received Date/Time 06/05/17 01:00pm	06/03/17 03:13pm NA C	Customer

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)**  
LEAD

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Sample ID	Sample Description	Samp. Date/Time/Temp	Sampled by
L6836251-2	SE-DWB-18-FLUSH Received Date/Time 06/05/17 01:00pm	06/03/17 03:13pm NA C	Customer

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)**  
LEAD

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Sample ID	Sample Description	Samp. Date/Time/Temp	Sampled by
L6836251-3	SE-LS-57-FLUSH Received Date/Time 06/05/17 01:00pm	06/03/17 03:18pm NA C	Customer

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)**  
LEAD

Account No: W01830, WILLINGBORO MUA  
Project No: W01830 LEAD, WILLINGBORO MUA

P.O. No:

Inv. No: 1872611  
PWSID No:

Parameter	Method	Result	RL	Test Date, Time, Analyst
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Sample ID	Sample Description	Samp. Date/Time/Temp	Sampled by
L6836251-4	SE-BLANK Received Date/Time 06/05/17 01:00pm	06/03/17 03:10pm NA C	Customer

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)**  
LEAD

**Sample Comments | Result Qualifiers:**

L6836251-1 :

L6836251-2 :

L6836251-3 :

L6836251-4 :

**General Notes:**

A result of "ND" indicates that the analyte tested was either not detected or the concentration was below the RLs.  
Definitions: NEG=negative; POS=positive; COL=colonies; RLs=laboratory reporting limits; L/A=laboratory accident; TNTC= Too numerous to count; pres=presumptive  
MCL= EPA recommended "maximum contaminant level", PLs = Customer-specific permit limits.  
The test results meet all requirements of NELAC unless otherwise specified.  
The report shall not be reproduced except in full without the written consent of the laboratory.  
Unless otherwise specified, the Environmental and Food Chemistry Testing except field parameters were performed by Eurofins QC, Inc. located at 1205 Industrial Blvd., Southampton, PA 18966; Pharmaceutical, Dairy and Food Microbiological tests were performed by Eurofins QC, Inc. located at 702 Electronic Drive, Horsham, PA 19044.  
The reported results relate only to the samples.  
All samples are collected as "grab" samples unless otherwise identified.  
A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.  
The following personnel or their deputies have approved the results of the tests performed by Eurofins QC, Inc.: Nicki Smith (Environmental), Jonathan Decenzi (Food Chemistry), Amanda Berd(Pharmaceutical), Ryan Baker (Dairy) & Karen Battista (Food Microbiology).  
EQC Accreditations: Southampton Div: EPA ID PA00018; NELAP ID's: PA 09-00131, NJ PA166, NY 11223  
State ID's: CT PH-0768, DE PA-018, MD 206, FL E87953; FDA Reg. # : 2515238  
E. Rutherford Div: State ID: NJ 02015; Vineland Div: State ID: NJ 06005; Reading Div: State ID: PA 06-03543

Regulatory authorities are assessing substantial fines for testing omissions. Please track your sample collections and results on a weekly, monthly, or quarterly basis to ensure compliance. EQC's internet program 'LIVE ACCESS' will provide you with real-time access to collection dates and results. Please contact Customer Service for further information on acquiring LIVE ACCESS.



PIN: 80337

Serial Number: 6319009



QC

CHAIN OF CUSTODY

Page 1 of 1

Lab LIMS No:

L6836251

MATRIX CODES

702 Electronic Drive Phone: 215-355-3900  
Horsham, PA 19044-0962 Fax: 215-355-7231

Client/Acct. No. WMUA W01830  
Address 433 JFK WAY

City/State/Zip W3000 NS 08046  
Phone/Fax 609-877-4583

Client Contact: Alex Hale

Bill to/Report to (if different)

Same

Sampling Site Address (if different) Include State

J.C. Stuart Elementary  
70 Sunset Road  
Willingboro NS 08046

P.O. No.

PWSID #:

Quote #

e-mail:

LAB USE ONLY:

#     Ascorbic/HCL Vials #     HCl Vials

#     Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

#     Na OH/Zn acetate pH

#     HNO<sub>3</sub> pH

#     H<sub>2</sub>SO<sub>4</sub> pH

#     NaOH pH

# 4 Unpreserved 250 fl

#     HCl #     NH<sub>4</sub>Cl #     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, Cl<sub>2</sub>, Cond. etc.

LEAD  
(low pressure)  
↓

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 l  
V i a l s  
H N O 3  
N a O H  
Z n A c  
U N P R E  
B A C T

SE-CRS-17-FLUSH (Follow up)  
SE-DWB-18-FLUSH (Follow up)  
SE-LS-57-FLUSH (Follow up)  
SE-BLANK

6/3/17  
↓  
↓  
↓

1513 X  
1513 X  
1518 X  
1510 X

DW  
OW  
OW  
X

1  
.1  
.1  
1

X  
X  
X  
X

SAMPLED BY: (Name/Company)

WMUA

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:  EQC COURIER  CLIENT

Custody Seal Number

1. Alex Hale

6/5/17

830

1. [Signature]

6.5.17

830

UPS  FEDEX  OTHER

RELINQUISHED BY

DATE

TIME

RECEIVED BY

DATE

TIME

Rec'd Temp.: Initials: Ice Y/N Location:

2. [Signature]

6.5.17

1300

2. [Signature]

6.5.17

1300

COMMENTS:

RELINQUISHED BY

DATE

TIME

RECEIVED BY

DATE

TIME

3.

DATE

TIME

RECEIVED BY

DATE

TIME

RELINQUISHED BY

DATE

TIME

RECEIVED BY

DATE

TIME

4.

DATE

TIME

RECEIVED BY

DATE

TIME

RELINQUISHED BY

DATE

TIME

RECEIVED BY

DATE

TIME

5.

Hazardous: yes / no

## ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Eurofins QC Laboratories  
702 Electric Avenue  
Horsham PA 19044

Report Date: June 13, 2017

**Project: L6836251**

Submittal Date: 06/05/2017

Group Number: 1809518

PO Number: L6836251

State of Sample Origin: NJ

### Client Sample Description

L6836251-1 Grab Drinking Water  
L6836251-2 Grab Drinking Water  
L6836251-3 Grab Drinking Water  
L6836251-4 Grab Drinking Water

Lancaster Labs

(LL) #

9031003

9031004

9031005

9031006

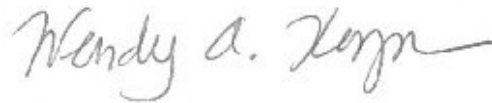
The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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

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Project Name: L6836251  
LL Group #: 1809518

**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: L6836251-1 Grab Drinking Water  
J.C. STUART ELEMENTARY, SE-CRS-17-FLUSH

LL Sample # NR 9031003  
LL Group # 1809518  
Account # 26104

Project Name: L6836251

Collected: 06/03/2017 15:13

Eurofins QC Laboratories

Submitted: 06/05/2017 19:45

702 Electric Avenue

Reported: 06/13/2017 15:11

Horsham PA 19044

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Metals</b>						
	<b>EPA 200.8 rev 5.4</b>		<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
06035	Lead	7439-92-1	2.17	0.0542	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	171600605109A	06/12/2017 10:41	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171600605109	06/12/2017 04:00	Denise L Trimby	1

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

Sample Description: L6836251-2 Grab Drinking Water  
SE-DWB-18-FLUSH

LL Sample # NR 9031004  
LL Group # 1809518  
Account # 26104

Project Name: L6836251

Collected: 06/03/2017 15:13  
Submitted: 06/05/2017 19:45  
Reported: 06/13/2017 15:11

Eurofins QC Laboratories  
702 Electric Avenue  
Horsham PA 19044

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Metals</b>						
	<b>EPA 200.8 rev 5.4</b>		<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
06035	Lead	7439-92-1	1.91	0.0744	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	171600605111A	06/13/2017 05:49	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171600605111	06/12/2017 05:40	Annamaria Kuhns	1

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



Sample Description: L6836251-3 Grab Drinking Water  
SE-LS-57-FLUSH

LL Sample # NR 9031005  
LL Group # 1809518  
Account # 26104

Project Name: L6836251

Collected: 06/03/2017 15:18  
Submitted: 06/05/2017 19:45  
Reported: 06/13/2017 15:11

Eurofins QC Laboratories  
702 Electric Avenue  
Horsham PA 19044

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Metals</b>						
	<b>EPA 200.8 rev 5.4</b>		<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
06035	Lead	7439-92-1	1.69	0.0744	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	171600605111A	06/13/2017 05:51	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171600605111	06/12/2017 05:40	Annamaria Kuhns	1

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

Sample Description: L6836251-4 Grab Drinking Water  
SE-BLANK

LL Sample # NR 9031006  
LL Group # 1809518  
Account # 26104

Project Name: L6836251

Collected: 06/03/2017 15:10  
Submitted: 06/05/2017 19:45  
Reported: 06/13/2017 15:11

Eurofins QC Laboratories  
702 Electric Avenue  
Horsham PA 19044

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Metals</b>						
	<b>EPA 200.8 rev 5.4</b>		<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
06035	Lead	7439-92-1	N.D.	0.0744	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	171600605111A	06/13/2017 05:56	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171600605111	06/12/2017 05:40	Annamaria Kuhns	1

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

## Quality Control Summary

Client Name: Eurofins QC Laboratories  
Reported: 06/13/2017 15:11

Group Number: 1809518

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	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: 171600605109A	Sample number(s): 9031003		
Lead	N.D.	0.0542	1.01
Batch number: 171600605111A	Sample number(s): 9031004-9031006		
Lead	N.D.	0.0744	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: 171600605109A	Sample number(s): 9031003								
Lead	15	14.37	15	14.77	96	98	85-115	3	20
Batch number: 171600605111A	Sample number(s): 9031004-9031006								
Lead	15	15.82	15	15.42	105	103	85-115	3	20

### 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: 171600605109A	Sample number(s): 9031003 UNSPK: P030886									
Lead	1.50	15.3	18.91			114		70-130		
Batch number: 171600605111A	Sample number(s): 9031004-9031006 UNSPK: P030790									
Lead	42.73	15.3	59.6			110		70-130		

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(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.

## Quality Control Summary

Client Name: Eurofins QC Laboratories  
Reported: 06/13/2017 15:11

Group Number: 1809518

### Laboratory Duplicate

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

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 171600605109A Lead	Sample number(s): 9031003 BKG: P030886 1.50	1.47	2 (1)	20
Batch number: 171600605111A Lead	Sample number(s): 9031004-9031006 BKG: P030790 42.73	43.49	2	20

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(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.



QC

702 Electronic Drive Phone: 215-355-3900  
Horsham, PA 19044-0962 Fax: 215-355-7231

Client/Acct. No. WMMUA W01830  
Address 433 JFK WAY

City/State/Zip WILMINGTON, NJ 08046  
Phone/Fax 609-877-4583

Client Contact: Alex Hale

CHAIN OF CUSTODY

Page 1 of 1

Bill to/Report to (if different)

Same

Sampling Site Address (if different) Include State

J.C. Stuart Elementary  
70 Sunset Road  
Wilmington NJ 08046

P.O. No.

PWSID #:

Quote #

e-mail:

Lab LIMS No:

6836251

MATRIX CODES

LAB USE ONLY:

#      Ascorbic/HCL Vials #      HCL Vials

#      Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

#      Na OH/Zn acetate pH

#      HNO<sub>3</sub> pH

#      H<sub>2</sub>SO<sub>4</sub> pH

#      NaOH pH

# 4 Unpreserved 250 fl

#      HCl #      NH<sub>4</sub>Cl #      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, Cl<sub>2</sub>, Cond. etc.

LEAD  
(low pressure)

LAB USE ONLY	PROJECT	Collection		G R A B	C O M P	Matrix Code	Number of Containers											
		Date	Military Time				Total	H	H	V	H	N	Z	U	B			
								2	1	I	N	A	n	P	A	C		
	SE-CRS-17-FLUSH (Follow up)	6/3/17	1513	X		DW	1										X	
	SE-DWB-18-FLUSH (Follow up)	↓	1513	X		DW	1										X	
	SE-L5-57-FLUSH (Follow up)	↓	1518	X		DW	1										X	
	SE-BLANK	↓	1510	X		X	1										X	

SAMPLED BY: (Name/Company)

WMMUA

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. <u>Alex Hale</u>	<u>4/5/17</u>	<u>830</u>	1. <u>[Signature]</u>	<u>6.5.17</u>	<u>830</u>		
2. <u>[Signature]</u>	<u>6.5.17</u>	<u>1300</u>	2. <u>[Signature]</u>	<u>6.5.17</u>	<u>1300</u>		
3.			3.				
4.			4.				
5.			5. <u>[Signature]</u>	<u>6-5-17</u>	<u>1945</u>		

Rec'd Temp.: \_\_\_\_\_ Initials: \_\_\_\_\_ Ice Y / N Location: \_\_\_\_\_

COMMENTS:

Hazardous: yes / no



Group Number(s):

1869518

Client: EQCL

**Delivery and Receipt Information**

Delivery Method: EQCL Drop Off Arrival Timestamp: 06/05/2017 19:45  
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 ≥ 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 Cory Jeremiah (10469) at 21:10 on 06/05/2017

# Explanation of Symbols and Abbreviations

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

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

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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.

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# Additional Data Qualifiers

<b>Qualifier</b>	<b>Definition</b>
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