Fairfield Public Schools

Water Analysis Report

Fairfield Elementary Schools Fairfield, CT





SUBJECT SITE: Elementary Schools

Fairfield, CT

CLIENT: Fairfield Public Schools

501 Kings Hwy East Fairfield, CT 06825

203.255.8277

mpiatt@fairfieldschools.org

INPSPECTION DATE: January 17, 2018

BIG EAST PROJECT #: 18005

WATER QUALITY ANALYSIS REPORT

Lead in Water

Introduction

Big East Environmental, LLC was retained by the client to perform lead in water testing at the eleven (11) subject sites on January 17, 2018. The subject sites serve as elementary school facilities for Fairfield public schools.

Methods

Big East Environmental collected first draw and flush water samples from each of the eleven elementary school locations as directed to us by the school administration. Water samples were collected on both a first draw and flush method from school kitchen locations (as close to the water main line as possible). Schools were directed to not open the taps prior to the arrival of the sample collection technician. 250 ml of water were collected for first draw samples. Taps were then opened for 30 seconds and an additional 250 ml of water was collected. All samples were collected, labeled, stored in a cooler, and transported to Phoenix Environmental Laboratories under chain of custody protocol. The laboratory report is attached.

Findings

The first draw sample collected from the kitchen tap at Mill Hill Elementary School exceeded the EPA's action level of 0.015 mg/L for lead in water.



SAMPLE RESULTS

School Name	Sample ID	Result mg/L	AL mg/L			
North Stratfield	First Draw	<0.0005	0.015			
North Stratheld	Flush	< 0.0005	0.015			
Osborn Hill	First Draw	< 0.0005	0.015			
OSDOITI TIII	Flush	< 0.0005	0.015			
Divortiold	First Draw	0.0016	0.015			
Riverfield	Flush	< 0.0005	0.015			
Sherman	First Draw	< 0.0005	0.015			
Sherman	Flush	< 0.0005	0.015			
Ctraffiold	First Draw	< 0.0005	0.015			
Stratfield	Flush	< 0.0005	0.015			
Dure	First Draw	< 0.0005	0.015			
Burr	Flush	< 0.0005	0.015			
Dwight	First Draw	< 0.0005	0.015			
Dwight	Flush	< 0.0005	0.015			
lonningo	First Draw	0.0042	0.015			
Jennings	Flush	< 0.0005	0.015			
McKinlov	First Draw	< 0.0005	0.015			
McKinley	Flush	< 0.0005	0.015			
Holland Hill	First Draw	0.0012	0.015			
nullatiu nili	Flush	< 0.0005	0.015			
NASII LISII	First Draw	0.0304*	0.015			
Mill Hill	Flush	0.0008	0.015			

Source: Kitchen Sink Tap

RESULTS KEY

*exceeds AL

**exceeds secondary goal

AL - Action Level

MCL - Maximum Contaminant Level

MCLG - Maximum Contaminant Level Goal

NE - Not Established

Mg/L – milligrams per liter of water / parts per million

μg/L – micrograms per liter of water / parts per billion

pCi/L – pico curies per liter sec. goal – secondary goal

Action Level (AL): 40 CFR Part 141.80

Maximum Contaminant Level (Lower of): 40 CFR Part 141; Public Health Law, Section 225 Part 5, Subpart 5-1. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards. Secondary DW Maximum Contaminant Level Goal (MCLG): 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

Steve DiNapoli

Steve DiNapoli, LEED AP, CMC President Big East Environmental



Wednesday, January 24, 2018

Attn: Mr. Steve Dinapoli Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Project ID: 18005

Sample ID#s: BZ74885 - BZ74906

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301

CT Lab Registration #PH-0618
MA Lab Registration #M-CT007

ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 UT Lab Registration #CT00007

VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample Information **Custody Information** Date Time 01/17/18 Matrix: DRINKING WATER Collected by: 9:30 Received by: **BIG-EAST** 01/18/18 Location Code: В 15:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

SDG ID: GBZ74885

Phoenix ID: BZ74885

18005 Project ID:

NORTH STRATFIELD 1ST Client ID:

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Βy Reference Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/19/18 AG/BF E200.9 **Total Metal Digestion**

aboratory Data

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli
Big East Environmental LLC
68 Water Street, Unit F

Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/189:35Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GBZ74885

Phoenix ID: BZ74886

Project ID: 18005

Client ID: NORTH STRATFIELD 2ND

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Βy Reference Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/19/18 AG/BF E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/189:45Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBZ74885

Phoenix ID: BZ74887

Project ID: 18005

P.O.#:

Client ID: OSBORN HILL 1ST

RL/

Parameter	Result	PQL	DIL	Units	AL	MCL	MCLG Date/Time	Ву	Reference
Lead	< 0.0005	0.0005	1	mg/L	0.015	i	01/22/18	RS	E200.9-2.2
Total Metal Digestion	Completed						01/20/18	AG	E200.9

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
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Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

SDG ID: GBZ74885

Phoenix ID: BZ74888

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/189:50Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Project ID: 18005 Client ID: OSBORN HILL 2ND

RL/

Parameter **PQL** DIL Units AL MCL MCLG Date/Time Reference Result Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

aboratory Data

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Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:00Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74889

Project ID: 18005

Client ID: RIVERFIELD 1ST

RL/

Parameter **PQL** DIL Units AL MCL MCLG Date/Time Reference Result Βy Lead 0.0016 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

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Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:05Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74890

Project ID: 18005

Client ID: RIVERFIELD 2ND

RL/

Parameter **PQL** DIL Units AL MCL MCLG Date/Time Reference Result Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:15Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74891

Project ID: 18005

Client ID: SHERMAN 1ST

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Reference Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

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Phyllis Shiller, Laboratory Director

January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:20Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74892

Project ID: 18005

Client ID: SHERMAN 2ND

RL/

Parameter	Result	PQL	DIL	Units	AL MCL	MCLG Date/Time	Ву	Reference
Lead Total Metal Digestion	< 0.0005 Completed	0.0005	1	mg/L	0.015	01/22/18 01/20/18	_	E200.9-2.2 E200.9

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Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli
Big East Environmental LLC

68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:30Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74893

Project ID: 18005

Client ID: STRATFIELD 1ST

RL/

Parameter **PQL** DIL Units AL MCL MCLG Date/Time Reference Result Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:35Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74894

Project ID: 18005

Client ID: STRATFIELD 2ND

RL/

Parameter **PQL** DIL Units AL MCL MCLG Date/Time Reference Result Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:06Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74895

Project ID: 18005 Client ID: BURR 1ST

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Reference Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:07Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74896

Project ID: 18005 Client ID: BURR 2ND

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Reference Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample Informa	ation	Custody Inforn	<u>nation</u>	<u>Date</u>	<u>Time</u>
Matrix:	DRINKING WATER	Collected by:		01/17/18	10:24
Location Code:	BIG-EAST	Received by:	В	01/18/18	15:10
Puch Poqueet:	Standard	Analyzed by:	ooo "Dy" bolow		

Rush Request: Standard Analyzed by: see "By" below

P.O.#: SDG ID: GBZ74885
Phoenix ID: BZ74897

Project ID: 18005

Client ID: DWIGHT 1ST

RL/

Parameter	Result	PQL	DIL	Units	AL MCL	MCLG Date/Time	Ву	Reference
Lead	< 0.0005	0.0005	1	mg/L	0.015	01/22/18	RS	E200.9-2.2
Total Metal Digestion	Completed					01/20/18	AG	E200.9

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

January 24, 2018



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:24Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GBZ74885

Phoenix ID: BZ74898

Project ID: 18005

Client ID: DWIGHT 2ND

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Reference Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:42Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GBZ74885

Phoenix ID: BZ74899

Project ID: 18005

Client ID: JENNINGS 1ST

RL/

Parameter	Result	PQL	DIL	Units	AL N	ICL MCLG Date/Time	Ву	Reference
Lead Total Metal Digestion	0.0042 Completed	0.0005	1	mg/L	0.015	01/22/18 01/20/18	RS AG	E200.9-2.2 E200.9

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli Big East Environmental LLC

68 Water Street, Unit F Norwalk, CT 06854

Sample Information **Custody Information** Date Time 01/17/18 Matrix: DRINKING WATER Collected by: 10:42 Received by: **BIG-EAST** 01/18/18 15:10 Location Code: В Standard

Rush Request: Analyzed by: see "By" below

P.O.#: aboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74900

18005 Project ID:

JENNINGS 2ND Client ID:

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Reference Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1810:57Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74901

Project ID: 18005

Client ID: MCKINLEY 1ST

RL/

Parameter **PQL** DIL Units AL MCL MCLG Date/Time Reference Result Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli Big East Environmental LLC

68 Water Street, Unit F Norwalk, CT 06854

Sample Information **Custody Information** Date Time 01/17/18 Matrix: DRINKING WATER Collected by: 10:58 Received by: **BIG-EAST** 01/18/18 Location Code: В 15:10 Standard

Rush Request: Analyzed by: see "By" below

aboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74902

18005 Project ID:

P.O.#:

MCKINLEY 2ND Client ID:

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Reference Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1811:13Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GBZ74885

Phoenix ID: BZ74903

Project ID: 18005

Client ID: HOLLAND HILL 1ST

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Reference Βy Lead 0.0012 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli Big East Environmental LLC

68 Water Street, Unit F Norwalk, CT 06854

Sample Information **Custody Information** Date Time 01/17/18 Matrix: DRINKING WATER Collected by: 11:14 Received by: **BIG-EAST** 01/18/18 Location Code: В 15:10 Standard

Rush Request: Analyzed by: see "By" below

aboratory Data

SDG ID: GBZ74885

Phoenix ID: BZ74904

18005 Project ID:

P.O.#:

HOLLAND HILL 2ND Client ID:

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Reference Βy Lead < 0.0005 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli

Big East Environmental LLC 68 Water Street, Unit F Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1811:28Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data SDG ID: GBZ74885

Phoenix ID: BZ74905

Project ID: 18005

P.O.#:

Client ID: MILL HILL 1ST

RL/

Parameter	Result	PQL	DIL	Units	AL MCL	MCLG Date/Time	Ву	Reference
Lead	0.0304	0.0005	1	mg/L	0.015	01/22/18	RS	E200.9-2.2
*** Lead exceeds Action Level of Total Metal Digestion	0.015 *** Completed					01/20/18	AG	E200.9

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

January 24, 2018



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Analysis Report

January 24, 2018

FOR: Attn: Mr. Steve Dinapoli
Big East Environmental LLC
68 Water Street, Unit F

Norwalk, CT 06854

Sample InformationCustody InformationDateTimeMatrix:DRINKING WATERCollected by:01/17/1811:29Location Code:BIG-EASTReceived by:B01/18/1815:10

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data SDG ID: GBZ74885

Phoenix ID: BZ74906

Project ID: 18005

Client ID: MILL HILL 2ND

RL/

Parameter Result **PQL** DIL Units AL MCL MCLG Date/Time Reference Βy Lead 0.0008 0.0005 mg/L 0.015 01/22/18 RS E200.9-2.2 Completed 01/20/18 AG E200.9 **Total Metal Digestion**

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.) AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; CT Public Health Code 19-13-B102. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): 40 CFR Part 141.80.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143; CT Public Health Code 19-13-B102. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

January 24, 2018



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QA/QC Report

January 24, 2018

QA/QC Data

SDG I.D.: GBZ74885

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 416987 (mg/L), (C Sam	ple No: E	3 Z 74722	(BZ7488	85, BZ7	4886)							
Lead	BRL	0.0005	0.192	0.191	0.50	105			100			85 - 115	20
Comment:													
Additional: LCS acceptance range	e is 85-11	15% MS a	acceptance	e range 7	5-125%								
QA/QC Batch 417030 (mg/L), 0 BZ74894, BZ74895, BZ74896)	ΩC Sam	ple No: E	3Z74887	(BZ7488	87, BZ7	4888, I	BZ74889	9, BZ74	890, B	Z74891,	, BZ748	392, BZ	74893,
Lead	BRL	0.0005	< 0.0005	< 0.0005	NC	102			103			85 - 115	20
Comment:													
Additional: LCS acceptance range	e is 85-11	15% MS a	acceptance	e range 7	5-125%								
QA/QC Batch 417030A (mg/L), BZ74904, BZ74905, BZ74906)	QC Sar	mple No:	BZ7489	7 (BZ748	397, BZ	74898	, BZ748 [,]	99, BZ7	'4900, I	3Z7490	1, BZ7	4902, B	Z74903,
Lead	BRL	0.0005				102			98.4			85 - 115	20
Comment:													
This batch does not include a dup	licate.												
Additional: LCS acceptance range	e is 85-11	15% MS a	acceptance	e range 7	5-125%								

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

January 24, 2018

Wednesday, January 24, 2018

Sample Criteria Exceedances Report GBZ74885 - BIG-EAST

State: CT

Criteria: CT: DW

State:							RL	Analysis
SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	Units
BZ74905	PB-DW	Lead	EPA / 40 CFR 141 DW / 141.80 Lead & Coppe	er ALs 0.0304	0.0005	0.015	0.001	mg/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc. Client: Big East Environmental LLC

Project Location: 18005 Project Number:

Laboratory Sample ID(s): BZ74885-BZ74906 Sampling Date(s): 1/17/2018

List RCP Methods Used (e.g., 8260, 8270, et cetera) None

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes □ No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes □ No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ✓ NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	✓ Yes □ No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	✓ Yes □ No □ NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	✓ Yes □ No
5	a) Were reporting limits specified or referenced on the chain-of-custody?	✓ Yes □ No
	b) Were these reporting limits met?	✓ Yes □ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes 🗹 No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	✓ Yes □ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalti knowledge and belief and based upon my personal in information contained in this analytical report, such	quiry of those responsible for providing the
Authorized Signature:	Position: Project Manager
Printed Name: Maryam Taylor	Date: Wednesday, January 24, 2018
Name of Laboratory Phoenix Environmental Labs, Inc.	

This certification form is to be used for RCP methods only.



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

January 24, 2018 SDG I.D.: GBZ74885

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the RCP list. Only Lead is reported as requested on the chain of custody.

Non RCP analyses are included with this report. The RCP narrative is provided at the request of the client.

AA Metals (PB-DW) Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

PE600-1 01/22/18 11:03 Rick Schweitzer, Chemist 01/22/18

BZ74885, BZ74886, BZ74887, BZ74888, BZ74889, BZ74890, BZ74891, BZ74892, BZ74893, BZ74894, BZ74895, BZ74896, BZ74896, BZ74897, BZ74898, BZ74899, BZ74900, BZ74901, BZ74902, BZ74903, BZ74904, BZ74905, BZ74906

Any sample below with an analytical spike recovery outside of 85-115% was re-analyzed at a dilution with a passing analytical spike recovery.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following samples did not meet analytical spike criteria:

BZ74888: Lead 117% (85-115%)

QC (Batch Specific):

Batch 416987 (BZ74722)

BZ74885, BZ74886

All LCS recoveries were within 85 - 115 with the following exceptions: None.

Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.

QC (Site Specific):

Batch 17030A (BZ74897)

BZ74897, BZ74898, BZ74899, BZ74900, BZ74901, BZ74902, BZ74903, BZ74904, BZ74905, BZ74906

All LCS recoveries were within 85 - 115 with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

This batch does not include a duplicate.

Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.

Batch 417030 (BZ74887)

 $\mathsf{BZ74887},\,\mathsf{BZ74888},\,\mathsf{BZ74889},\,\mathsf{BZ74890},\,\mathsf{BZ74891},\,\mathsf{BZ74892},\,\mathsf{BZ74893},\,\mathsf{BZ74894},\,\mathsf{BZ74895},\,\mathsf{BZ74896}$

All LCS recoveries were within 85 - 115 with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.

Temperature Narration

The samples in this delivery group were received at 3.4°C.

(Note acceptance criteria is above freezing up to 6°C)

Coolant: PK PX FOE No	Temp	Data Delivery:	Project P.O:	This section MUST be completed with Bottle Quantities.	The state of the s	OIN SON THE SO	* 810 10 80 10 10 10 10 10 10 10 10 10 10 10 10 10								>	NA Data Format	MCP Certification	GW-1 □ PDF □ GW-2 □ GIS/Key	GW-3 EQUIS	S-1 Data Package S-2 Tion II Chardline	RA eSMART	d: Crase of the control of the contr
	OF CUSTODY RECORD	587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040 Email: info@phoenixlabs.com Fax (860) 645-0823 Client Services (860) 645-8726	Project: 18005	Invoice to: Phone #: Fax #:	Analysis		15 15 15 15 15 15 15 15 15 15 15 15 15 1								>		9/9 10:43 Direct Exposure Rec Cert		Other GA Mobility	Iround:	□ 2 Days* □ Other □ Other	State where samples were collected: State where samples were collected:
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	N OF CUSTODY RECORD	587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040 Email: info@phoenixlabs.com Fax (860) 645-0823 Client Services (860) 645-8726		e to:	sis Set									Time: RI	7 7 7	15:10		9	APPLIES
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