



WHITMAN

Environmental · Engineering · Energy · EH&S Compliance · Waste Management

**LEAD IN DRINKING WATER
SAMPLING**

FOR

**QUEEN CITY ACADEMY CHARTER SCHOOL
815 WEST 7TH STREET
PLAINFIELD, NJ 07063**

PROJECT 23-05-03T

**PERFORMED BY
WHITMAN**

June 2, 2023

**LEAD IN DRINKING WATER SAMPLING
QUEEN CITY ACADEMY CHARTER SCHOOL
PLAINFIELD, NEW JERSEY**

Table of Contents

1.0	PROJECT BACKGROUND.....	1
2.0	SAMPLING/SCREENING METHODOLOGY	2
2.1	Purpose.....	2
2.2	NJDEP Limits	2
3.0	LEAD IN DRINKING WATER SAMPLING RESULTS DISCUSSION	3
4.0	CONCLUSIONS	3
5.0	LIMITATIONS, EXCEPTIONS AND ASSUMPTIONS	3

ATTACHMENTS

Attachment 1 – Lead Sampling Results

**LEAD IN DRINKING WATER SAMPLING
QUEEN CITY ACADEMY CHARTER SCHOOL
PLAINFIELD, NEW JERSEY**

1.0 PROJECT BACKGROUND

There are three ways that lead can contaminate drinking water in school facilities, the water source, the plumbing material, or the actual drinking water outlet fixture. Most sources of drinking water (e.g. ground and surface water) have no lead, or very low levels of lead (i.e., under 5 micrograms per liter [$\mu\text{g/l}$] or parts per billion [ppb]). Once the drinking water leaves the public water supply system or treatment plant, it comes into contact with piping and plumbing materials that may contain lead. Some lead may get into the water from the distribution system – the network of pipes that carry the water to homes, businesses, and schools in the community. Some communities have lead components in their distribution systems, such as lead joints in cast iron mains, service connections, pigtails, and goosenecks. Even though a public water supplier may deliver water that meets all Federal and State public health standards for lead, there may be lead in the drinking water because of the plumbing in the school facility. Interior plumbing, soldered joints, leaded brass fittings, and various drinking water outlets that contain lead materials are the primary contributors of lead in drinking water. It is also important to note that brass plumbing components contain lead. Since 1986, all plumbing materials must be “lead-free”. Although there is an increased probability that a given plumbing component installed prior to 1986 could contain more lead than the newer components, the occurrence of lead in drinking water cannot be predicted solely based on the age of the component or the school facility. The current law allows plumbing materials up to 0.25 percent lead to be labeled as “lead-free”. However, prior to January 4, 2014, “lead-free” allowed up to 8 percent lead content of the wetted surfaces of plumbing products including those labeled National Sanitation Foundation (NSF) certified. The best way to determine if a school might have elevated levels of lead in its drinking water is by testing the drinking water in that school. Testing facilitates an evaluation of the plumbing materials and helps target appropriate remedial action. It is a key step in understanding the problem if there is one and designing an appropriate response.

2.0 SAMPLING/SCREENING METHODOLOGY

2.1 Purpose

Lead in a water sample taken from an outlet can originate from the outlet fixture (e.g. the faucet, bubbler etc.), plumbing upstream of the outlet fixture (e.g. pipe, joints, valves, fittings etc.), or it can already be in the water that is entering the facility. Sample results are then compared to assist in determining the sources of lead contamination and the appropriate corrective measures. Prior to sampling, Whitman ensured that outlets deviating from normal usage were flushed 8-48 hours prior to sampling.

Initial first draw samples are taken from drinking water outlets and food preparation outlets (e.g., bubblers, kitchen faucets) in the facility. These samples determine the lead content of water sitting in water outlets that are used for drinking or cooking within the building(s).

2.2 NJDEP Limits

If initial first draw test results reveal lead concentrations greater than 15 µg/l (ppb) in a 250 mL sample for a given outlet, follow-up flush testing is required to determine if the lead contamination results are from the fixture or from interior plumbing.

3.0 LEAD IN DRINKING WATER SAMPLING RESULTS DISCUSSION

The summary of lead sample results is presented below. The sampling conducted was in compliance with NJDEP protocol and all samples were submitted to Integrated Analytical Laboratories (NJDEP NELAP #14751) under a completed Chain of Custody Form.

Outlet ID #	Sample Number	Date	Time	Lead Result µg/L
Queen City Academy Charter School				
S1-QCC	S1	5/18/2023	7:16 am	Non Detect
S2-QCC	S2	5/18/2023	7:19 am	Non Detect
Field Blank	FB	5/18/2023		<1.00
Queen City Academy Charter High School				
S1-CDI	S1	5/18/2023	7:58 am	Non Detect
S2-CDI	S2	5/18/2023	8:00 am	1.78
Field Blank	FB	5/18/2023		<1.00

4.0 CONCLUSIONS

All of the lead results were below the 15 µg/L New Jersey Action Level.

5.0 LIMITATIONS, EXCEPTIONS AND ASSUMPTIONS

Opinions and recommendations presented in this report apply to site conditions and features as they existed at the time of Whitman's site visit, and those reasonably foreseeable. They cannot necessarily apply to conditions and features of which Whitman is unaware and has not had the opportunity to evaluate.

The conclusions presented in this report are professional opinions based solely upon Whitman's visual observations of accessible areas, testing data, and current regulatory requirements. These conclusions are intended exclusively for the purpose state herein, at the sites indicated, and for the project indicated.

No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by our client, with the customary thoroughness and competence of our profession.

Feel free to contact me at 732-390-5858 with any questions or if further clarification is needed.

Sincerely,

A handwritten signature in blue ink, consisting of several loops and a horizontal line at the end, representing the name John Beaupre.

John Beaupre
Senior Vice President

Attachments

ATTACHMENT 1
LEAD SAMPLING RESULTS



EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012355915
LIMS Reference ID: AB55915
EMSL Customer ID: WHIT53

June 01, 2023

John Beaupre
Whitman Companies, Inc. [WHIT53]
100 Franklin Square Dr.Suite 200
Somerset, NJ 08873

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 5/19/2023. The results are tabulated on the attached pages for the following client designated project:

Queen City Academy Charter School

The reference number for these samples is EMSL Order #: AB55915 . Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact the lab at 856-858-4800.

Owen McKenna Laboratory Manager or other approved signatory

Table of Contents

Cover Letter	1
Sample Condition on Receipt	3
Samples in Report	4
Positive Hits Summary	5
Sample Results	6
Quality Assurance Results	9
Certified Analyses	10
Certifications	10
Qualifiers, Definitions and Disclaimer	11
Chain of Custody PDF	12



EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012355915

LIMS Reference ID: AB55915

EMSL Customer ID: WHIT53

Attention: John Beaupre
Whitman Companies, Inc. [WHIT53]
100 Franklin Square Dr.Suite 200
Somerset, NJ 08873
(732) 390-5858
jbeaupre@whitmanco.com

Project Name: Queen City Academy Charter School

Customer PO: 23-05-03T

EMSL Sales Rep: Jeromy Bish

Received: 05/19/2023 09:00

Reported: 06/01/2023 23:12

Sample Condition on Receipt

Cooler ID: Default Cooler Temperature: °C

Custody Seals	Y
Containers Intact	Y
COC/Labels Agree	Y
Preservation Confirmed	Y

**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012355915
LIMS Reference ID: AB55915
EMSL Customer ID: WHIT53

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Whitman Companies, Inc. [WHIT53]
100 Franklin Square Dr.Suite 200
Somerset, NJ 08873
(732) 390-5858
jbeaupre@whitmanco.com

Project Name: Queen City Academy Charter School
Customer PO: 23-05-03T
EMSL Sales Rep: Jeromy Bish
Received: 05/19/2023 09:00
Reported: 06/01/2023 23:12

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AB55915-01	S1-QCC	Drinking Water	05/18/2023	05/19/2023
AB55915-02	S2-QCC	Drinking Water	05/18/2023	05/19/2023
AB55915-03	Trip Blank	Drinking Water	05/18/2023	05/19/2023



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EMSL Sales Rep: Jeromy Bish
Received: 05/19/2023 09:00
Reported: 06/01/2023 23:12

Sample Results

Sample: S1-QCC
AB55915-01 (Drinking Water)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
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Metals

Lead	ND		1	1.00	µg/L	05/23/23 13:15	05/24/23 14:20	PL/AS	EPA 200.8	EPA 200.8
------	----	--	---	------	------	----------------	----------------	-------	-----------	-----------

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted."



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EMSL-CIN-01

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jbeaupre@whitmanco.com

Project Name: Queen City Academy Charter School
Customer PO: 23-05-03T
EMSL Sales Rep: Jeromy Bish
Received: 05/19/2023 09:00
Reported: 06/01/2023 23:12

Sample Results
(Continued)

Sample: S2-QCC
AB55915-02 (Drinking Water)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
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Metals

Lead	ND		1	1.00	µg/L	05/23/23 13:15	05/24/23 14:22	PL/AS	EPA 200.8	EPA 200.8
------	----	--	---	------	------	----------------	----------------	-------	-----------	-----------

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EMSL-CIN-01

EMSL Order ID: 012355915
LIMS Reference ID: AB55915
EMSL Customer ID: WHIT53

Attention: John Beaupre
Whitman Companies, Inc. [WHIT53]
100 Franklin Square Dr.Suite 200
Somerset, NJ 08873
(732) 390-5858
jbeaupre@whitmanco.com

Project Name: Queen City Academy Charter School
Customer PO: 23-05-03T
EMSL Sales Rep: Jeromy Bish
Received: 05/19/2023 09:00
Reported: 06/01/2023 23:12

Sample Results
(Continued)

Sample: Trip Blank
AB55915-03 (Drinking Water)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
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Metals

Lead	ND		1	1.00	µg/L	05/23/23 13:15	05/24/23 14:24	PL/AS	EPA 200.8	EPA 200.8
------	----	--	---	------	------	----------------	----------------	-------	-----------	-----------

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EMSL Order ID: 012355915
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Project Name: Queen City Academy Charter School
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Quality Control**Metals**

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBE0438 - EPA 200.8									
Blank (BBE0438-BLK1)									
Lead	ND	1.00	µg/L						
					Prepared: 5/23/2023 Analyzed: 5/24/2023				
LCS (BBE0438-BS1)									
Lead	10.1	1.00	µg/L	10.00		101	85-115		
					Prepared: 5/23/2023 Analyzed: 5/24/2023				
LCS Dup (BBE0438-BSD1)									
Lead	10.3	1.00	µg/L	10.00		103	85-115	2	200
					Prepared: 5/23/2023 Analyzed: 5/24/2023				
Matrix Spike (BBE0438-MS1)									
		Source: AB55899-01			Prepared: 5/23/2023 Analyzed: 5/24/2023				
Lead	11.1	1.00	µg/L	10.00	ND	111	70-130		
					Prepared: 5/23/2023 Analyzed: 5/24/2023				
Matrix Spike (BBE0438-MS2)									
		Source: AB55917-02			Prepared: 5/23/2023 Analyzed: 5/24/2023				
Lead	11.0	1.00	µg/L	10.00	ND	110	70-130		
					Prepared: 5/23/2023 Analyzed: 5/24/2023				
Matrix Spike Dup (BBE0438-MSD1)									
		Source: AB55899-01			Prepared: 5/23/2023 Analyzed: 5/24/2023				
Lead	11.2	1.00	µg/L	10.00	ND	112	70-130	1	20
					Prepared: 5/23/2023 Analyzed: 5/24/2023				
Matrix Spike Dup (BBE0438-MSD2)									
		Source: AB55917-02			Prepared: 5/23/2023 Analyzed: 5/24/2023				
Lead	12.4	1.00	µg/L	10.00	ND	124	70-130	12	20

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EMSL Order ID: 012355915**LIMS Reference ID:** AB55915**EMSL Customer ID:** WHIT53

Attention: John Beaupre
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 jbeaupre@whitmanco.com

Project Name: Queen City Academy Charter School

Customer PO: 23-05-03T
EMSL Sales Rep: Jeromy Bish
Received: 05/19/2023 09:00
Reported: 06/01/2023 23:12

Certified Analyses included in this Report

Analyte	CAS #	Certifications
EPA 200.8 in Drinking Water		
Lead	7439-92-1	NJDEP

List of Certifications

Code	Description	Number	Expires
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2023
California ELAP	California Water Boards	1877	06/30/2024
A2LA	A2LA Environmental Certificate	2845.01	07/31/2024
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	01/01/2025
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2023
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2023
NYSDOH	New York State Department of Health	10872	04/01/2024
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2023

Please see the specific Field of Testing (FOT) on www.emsl.com <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.



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EMSL Sales Rep: Jeromy Bish
Received: 05/19/2023 09:00
Reported: 06/01/2023 23:12

Notes and Definitions

Item	Definition
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
Q	Qualifier
RL	Reporting Limit
%REC	Percent Recovery
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.



EMSL ANALYTICAL, INC.

EMSL Order Number / Lab Use Only

AB55915

PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

200 Rt. 130 N
Cinnaminson, NJ 08077

Customer Information

Customer ID: _____

Company Name: Whitman

Contact Name: John Beavers

Street Address: 100 Franklin Square Dr. Suite 200

City, State, Zip: Somerset, NJ 08873 Country: US

Phone: (732) 370-5858

Email(s) for Report: jbeavers@whitmanco.com

Billing Information

Billing ID: _____

Company Name: _____

Billing Contact: _____

Street Address: Same

City, State, Zip: _____

Phone: _____

Email(s) for Invoices: _____

Project Name/No: Averton City Academy Charter School

EMSL LIMS Project ID: _____

(If applicable, EMSL will provide)

US State where samples collected: NJ

State of Connecticut (CT) must select project location: Commercial (Taxable) Residential (Non-Taxable)

Purchase Order: 23-05-03T

Samples for Compliance? Yes No

If Yes, for NPDES? Yes No

Other (Specify): _____

Samples Collected by (Check One): EMSL CLIENT

Samples Received Chilled? Yes No

State Reporting Required? Yes No

Sample's Temperature upon Receipt (LAB ONLY): _____

Turn-Around-Time (TAT) Standard Turn-Around-Time: 2 Weeks

The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal:

1 Week 4 Days 3 Days 2 Days 1 Day

No. of Samples In Shipment: 3

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line:)								Comments	
						Test 1:	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:		
<u>S1-ACC</u>		<input checked="" type="checkbox"/>	<u>5/18 7:16</u>	<u>W</u>	<u>2</u>	<u>Lead</u>									
<u>S2-ACC</u>		<input checked="" type="checkbox"/>	<u>5/18 7:19</u>	<u>W</u>	<u>2</u>										
<u>Trip Blank</u>		<input checked="" type="checkbox"/>	<u>5/18 7:25</u>	<u>W</u>	<u>2</u>										

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Reporting Requirements:

Method of Shipment: _____ Results Only Results and QC

Reduced Deliverables Htzresults EDD Excel Other (Describe Above) _____

Relinquished by: [Signature] Date/Time: 5/18/23 12:15

Relinquished by: [Signature] Date/Time: 5/18/23 8:40pm

Received by: [Signature] Date/Time: 5/18/23 2:28/10p

Received by: [Signature] Date/Time: 5/18/23 8:40pm



EMSL ANALYTICAL, INC.

EMSL Order Number / Lab Use Only

200 Rt. 130 N
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

AB55915

Customer Information		Billing Information	
Customer ID:	Company Name: Whitman	Billing ID:	Company Name:
Contact Name: John Beeper	Street Address: 100 Franklin Square Dr. Suite 200	Billing Contact:	Street Address: Scene
City, State, Zip: Somerset, NJ 08873	Country: US	City, State, Zip:	City, State, Zip:
Phone: (732) 390-5858	Email(s) for Report: jbeeper@whitmanco.com	Phone:	State of Connecticut (CT) must select project location:
		Email(s) for Invoice:	Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable) <input type="checkbox"/>

Project Name: **Queen City Academy Charter School**

EMSL LIMS Project ID: _____ (If applicable, EMSL will provide)

Purchase Order: **23-05-03T**

Samples for Compliance? Yes No

If Yes, for NPDES? Yes No

Other (Specify): _____

US State where samples collected: **NJ**

State Reporting Required? Yes No

Samples Collected by (Check One): EMSL CLIENT

Samples Received Chilled? Yes No

Sample(s) Temperature Upon Receipt (LAB ONLY): _____

State Reporting Required? Yes No

Turn-Around-Time (TAT) Standard Turn-Around-Time: 2 Weeks

The following TATs are subject to Lab approval. Call lab to confirm TAT before submital:

1 Week 4 Days 3 Days 2 Days 1 Day

No. of Samples in Shipment: **3**

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line:)								Comments			
						Test 1:	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:				
S1-QCC		X	5/18 7:16	W=Water S=Soil A=Air SL=Sludge O=Other	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other Describe below in Special Instructions												
S2-QCC		X	5/18 7:19														
Trip Blank		X	5/18 7:25														

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.):

Reporting Requirements: Results Only Results and QC

Method of Shipment: _____

Reduced Deliverables Hazresults EDD Excel Other (Describe Above)

Relinquished by: **[Signature]** Date/Time: **5/18/23 12:15**

Received by: **[Signature]** Date/Time: **5/18/23 8:40pm**

Controlled Document - COC-07 Chemistry R11 02/28/2021

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by **[Signature]**

Page 1 of 2



EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012355916

LIMS Reference ID: AB55916

EMSL Customer ID: WHIT53

June 01, 2023

John Beaupre

Whitman Companies, Inc. [WHIT53]

100 Franklin Square Dr.Suite 200

Somerset, NJ 08873

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 5/19/2023. The results are tabulated on the attached pages for the following client designated project:

CDI Hoadstart

The reference number for these samples is EMSL Order #: AB55916 . Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact the lab at 856-858-4800.

Owen McKenna Laboratory Manager or other approved signatory

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Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012355916

LIMS Reference ID: AB55916

EMSL Customer ID: WHIT53

Attention: John Beaupre
Whitman Companies, Inc. [WHIT53]
100 Franklin Square Dr.Suite 200
Somerset, NJ 08873
(732) 390-5858
jbeaupre@whitmanco.com

Project Name: CDI Hoadstart
Customer PO: 23-05-03T
EMSL Sales Rep: Jeromy Bish
Received: 05/19/2023 09:00
Reported: 06/01/2023 23:13

Sample Condition on Receipt

Cooler ID: Default Cooler Temperature: °C

Custody Seals	Y
Containers Intact	Y
COC/Labels Agree	Y
Preservation Confirmed	Y



EMSL Analytical, Inc.

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Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012355916
LIMS Reference ID: AB55916
EMSL Customer ID: WHIT53

Attention: John Beaupre
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100 Franklin Square Dr.Suite 200
Somerset, NJ 08873
(732) 390-5858
jbeaupre@whitmanco.com

Project Name: CDI Hoadstart
Customer PO: 23-05-03T
EMSL Sales Rep: Jeromy Bish
Received: 05/19/2023 09:00
Reported: 06/01/2023 23:13

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AB55916-01	S1-CDI	Drinking Water	05/18/2023	05/19/2023
AB55916-02	S2-CDI	Drinking Water	05/18/2023	05/19/2023
AB55916-03	Trip Blank	Drinking Water	05/18/2023	05/19/2023



EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012355916
LIMS Reference ID: AB55916
EMSL Customer ID: WHIT53

Attention: John Beaupre
Whitman Companies, Inc. [WHIT53]
100 Franklin Square Dr.Suite 200
Somerset, NJ 08873
(732) 390-5858
jbeaupre@whitmanco.com

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Received: 05/19/2023 09:00
Reported: 06/01/2023 23:13

Positive Hits Summary

Lab ID	Client ID				Sampled
AB55916-02	S2-CDI				05/18/23 08:00
Method	Analyte	Result	Qualifier	Unit	Analyzed
EPA 200.8	Lead	1.78		µg/L	05/24/2023 14:27



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Received: 05/19/2023 09:00
Reported: 06/01/2023 23:13

Sample Results

Sample: S1-CDI
AB55916-01 (Drinking Water)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
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Metals

Lead	ND		1	1.00	µg/L	05/23/23 13:15	05/24/23 14:25	PL/AS	EPA 200.8	EPA 200.8
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EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted."



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Sample Results
(Continued)

Sample: S2-CDI
AB55916-02 (Drinking Water)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
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Metals

Lead	1.78		1	1.00	µg/L	05/23/23 13:15	05/24/23 14:27	PL/AS	EPA 200.8	EPA 200.8
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EMSL-CIN-01

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jbeaupre@whitmanco.com

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Customer PO: 23-05-03T
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Received: 05/19/2023 09:00
Reported: 06/01/2023 23:13

Sample Results
(Continued)

Sample: Trip Blank
AB55916-03 (Drinking Water)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
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Metals

Lead	ND		1	1.00	µg/L	05/23/23 13:15	05/24/23 14:29	PL/AS	EPA 200.8	EPA 200.8
------	----	--	---	------	------	----------------	----------------	-------	-----------	-----------

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**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077
 Telephone: 856-858-4800 Fax:856-786-5974
 EMSL-CIN-01

EMSL Order ID: 012355916
LIMS Reference ID: AB55916
EMSL Customer ID: WHIT53

Attention: John Beaupre
 Whitman Companies, Inc. [WHIT53]
 100 Franklin Square Dr.Suite 200
 Somerset, NJ 08873
 (732) 390-5858
 jbeaupre@whitmanco.com

Project Name: CDI Hoadstart
Customer PO: 23-05-03T
EMSL Sales Rep: Jeromy Bish
Received: 05/19/2023 09:00
Reported: 06/01/2023 23:13

Quality Control**Metals**

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBE0438 - EPA 200.8									
Blank (BBE0438-BLK1)									
Lead	ND	1.00	µg/L						
				Prepared: 5/23/2023 Analyzed: 5/24/2023					
LCS (BBE0438-BS1)									
Lead	10.1	1.00	µg/L	10.00		101	85-115		
				Prepared: 5/23/2023 Analyzed: 5/24/2023					
LCS Dup (BBE0438-BSD1)									
Lead	10.3	1.00	µg/L	10.00		103	85-115	2	200
				Prepared: 5/23/2023 Analyzed: 5/24/2023					
Matrix Spike (BBE0438-MS1)									
		Source: AB55899-01		Prepared: 5/23/2023 Analyzed: 5/24/2023					
Lead	11.1	1.00	µg/L	10.00	ND	111	70-130		
				Prepared: 5/23/2023 Analyzed: 5/24/2023					
Matrix Spike (BBE0438-MS2)									
		Source: AB55917-02		Prepared: 5/23/2023 Analyzed: 5/24/2023					
Lead	11.0	1.00	µg/L	10.00	ND	110	70-130		
				Prepared: 5/23/2023 Analyzed: 5/24/2023					
Matrix Spike Dup (BBE0438-MSD1)									
		Source: AB55899-01		Prepared: 5/23/2023 Analyzed: 5/24/2023					
Lead	11.2	1.00	µg/L	10.00	ND	112	70-130	1	20
				Prepared: 5/23/2023 Analyzed: 5/24/2023					
Matrix Spike Dup (BBE0438-MSD2)									
		Source: AB55917-02		Prepared: 5/23/2023 Analyzed: 5/24/2023					
Lead	12.4	1.00	µg/L	10.00	ND	124	70-130	12	20

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200 Route 130, Cinnaminson, NJ, 08077
 Telephone: 856-858-4800 Fax:856-786-5974
 EMSL-CIN-01

EMSL Order ID: 012355916**LIMS Reference ID:** AB55916**EMSL Customer ID:** WHIT53

Attention: John Beaupre
 Whitman Companies, Inc. [WHIT53]
 100 Franklin Square Dr.Suite 200
 Somerset, NJ 08873
 (732) 390-5858
 jbeaupre@whitmanco.com

Project Name: CDI Hoadstart
Customer PO: 23-05-03T
EMSL Sales Rep: Jeromy Bish
Received: 05/19/2023 09:00
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Certified Analyses included in this Report

Analyte	CAS #	Certifications
EPA 200.8 in Drinking Water		
Lead	7439-92-1	NJDEP

List of Certifications

Code	Description	Number	Expires
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2023
California ELAP	California Water Boards	1877	06/30/2024
A2LA	A2LA Environmental Certificate	2845.01	07/31/2024
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	01/01/2025
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2023
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2023
NYSDOH	New York State Department of Health	10872	04/01/2024
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2023

Please see the specific Field of Testing (FOT) on www.emsl.com <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.



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Notes and Definitions

Item	Definition
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
Q	Qualifier
RL	Reporting Limit
%REC	Percent Recovery
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.



EMSL ANALYTICAL, INC.

EMSL Order Number / Lab Use Only

200 Rt. 130 N
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

AB559110

Customer Information

Customer ID: _____

Company Name: Whitman

Contact Name: John Beeper

Street Address: 100 Franklin Square Dr. Suite 200

City, State, Zip: Somerset, NJ 08873 Country: US

Phone: (732) 350-5858

Email(s) for Report: jbeeper@whitmanco.com

Billing Information

Billing ID: _____

Company Name: _____

Billing Contact: Sony

Street Address: _____

City, State, Zip: _____

Phone: _____

Email(s) for Invoices: _____

Project Name/No: CDI Hoodstert

EMSL LIMS Project ID: _____

State of Connecticut (CT) must select project location: Commercial (Taxable) Residential (Non-Taxable)

Purchase Order: 23-05-031

Samples for Compliance? Yes No

If Yes, for NPDES? Yes No

Other (Specify): _____

US State where samples collected: NJ

State of Connecticut (CT) must select project location: Commercial (Taxable) Residential (Non-Taxable)

PWS ID: _____

State Reporting Required? Yes No

Samples Collected by (Check One): EMSL CLIENT

Samples Received Chilled? Yes No

Sample(s) Temperature upon Receipt (LAB ONLY): _____

Turn-Around-Time (TAT) Standard Turn-Around-Time: 2 Weeks

The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal:

1 Week 4 Days 3 Days 2 Days 1 Day

No. of Samples In Shipment: 3

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line-)								Comments			
						Test 1:	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:				
51-CDJ		X	5/18 7:55	W=Water S=Soil A=Air SL=Sludge O=Other	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other Describe below in Special Instructions												
52-CDJ		X	5/18 8:00														
Trip Blank		X	5/18 8:05														

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Reporting Requirements:

Method of Shipment: Results Only Results and QC

Reduced Deliverables Hzresults EDD Excel Other (Describe Above)

Relinquished by: [Signature] Date/Time: 5/18/23 12:15

Received by: [Signature] Date/Time: 5-18-23 @ 12:10 PM

Received by: [Signature] Date/Time: 5/15/23 8:40pm

Controlled Document - COC-07 Chemistry R11 02/26/2021

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by [Signature]

Page 1 of 2

5/19/23 9:20 AM



EMSL ANALYTICAL, INC.

EMSL Order Number / Lab Use Only

200 Rt. 130 N
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: EnvChemistry2@EMSL.com

ABSS9110

Customer Information

Customer ID: _____

Company Name: Whitman

Contact Name: John Beeper

Street Address: 100 Franklin Square Dr. Suite 200

City, State, Zip: Somerset, NJ 08873 Country: US

Phone: (732) 350-5858

Email(s) for Report: jbeeper@whitmanco.com

Billing Information

Billing ID: _____

Company Name: _____

Billing Contact: Sara

Street Address: _____

City, State, Zip: _____

Phone: _____

Email(s) for Invoices: _____

Project Name/No: CDI HoodStart

EMSL LIMS Project ID: _____

(If applicable, EMSL will provide)

US State where samples collected: NJ

State of Connecticut (CT) must select project location: _____

Commercial (Taxable) _____ Residential (Non-Taxable) _____

Purchase Order: 23-05-031

Samples for Compliance? Yes No

If Yes, for NPDES? Yes No

Other (Specify) _____

State Reporting Required? Yes No

Samples Collected by (Check One): EMSL CLIENT

Samples Received Chilled? Yes No

Sample(s) Temperature upon Receipt (LAB ONLY) _____

Turn-Around-Time (TAT) Standard Turn-Around-Time: 2 Weeks

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1 Week 4 Days 3 Days 2 Days 1 Day

No. of Samples In Shipment: 3

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix	Preservative	List Test(s) Needed (Write in test below, then check on sample line)								Comments			
						Test 1:	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:				
51-CDS		X	5/18 7:55	W	1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other	X											
52-CDS		X	5/18 8:00	W		X											
Trip Blank		X	5/18 8:05	W													

Reporting Requirements: Results Only Results and QC

Method of Shipment: _____

Reduced Deliverables HZresults EDD Excel Other (Describe Above) _____

Relinquished by: Alfred Date/Time: 5/18/23 12:15

Received by: BT COUNTS (WIT) Date/Time: 5-18-23 @ 12:10 PM

Relinquished by: _____ Date/Time: _____

Received by: BT COUNTS (WIT) Date/Time: 5/18/23 8:40pm

Controlled Document - COC-07 Chemistry R11 02/26/2021

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference to their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by _____

Page 1 of 2

Edypan 5/19/23 9:20 Res present