

# Vortex Inc.

Environmental Management, Consulting & Training Services

P.O. Box 6060

Warwick, RI 02887-6060

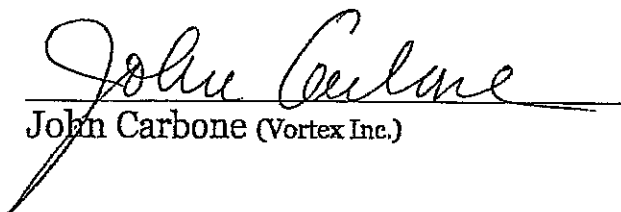
## DRINKING WATER QUALITY SAMPLING, ANALYSIS (LEAD & IRON) & SUMMARY REPORT

**REPORT DATE:** July 11, 2016

**SAMPLE COLLECTION &  
INSPECTION DATES (4):** 3/28/16; 4/26/16; 5/26/16; 6/16/16

**REPORT TO:** George Doyle (LEA)  
Providence Public Schools - Maintenance Dept.

**INSPECTION LOCATION:** 17 Elementary School Buildings  
6 Middle School Buildings  
Providence, RI

**INDUSTRIAL HYGIENIST:**   
John Carbone (Vortex Inc.)

**INTENT OF INSPECTION:**

At the request of Alan Sepe (City of Providence - Director of Operations), John Carbone collected flushed drinking water samples from all 17 Elementary School buildings [3 separate dates] and 6 Middle School Buildings [6/16/16] to determine existing levels of LEAD and IRON in the drinking water. Water samples were collected from corridor drinking fountains and sinks in Nurse's Offices, Faculty/Principal's Bathrooms, etc. Refer to attached LAB ANALYSIS CHART for exact locations within each school building.

**Visual inspection** revealed none of the water samples collected were discolored (clear liquid appearance).

**Laboratory analysis** confirmed:

## LEAD IN DRINKING WATER

### 17 ELEMENTARY SCHOOL BUILDINGS

*All of the of the 52 lab sample results were within acceptable drinking water levels (<15 ug/L) ranging from ND [none detected] to 9.38 ug/L. Refer to attached EMSL Lab Report for sample confirmation [3 reports/dates] and the LAB ANALYSIS CHART for summary of sample areas/locations and corresponding lab analysis.*

### 6 MIDDLE SCHOOL BUILDINGS

*17 of the 18 lab sample results were within acceptable drinking water levels (<15 ug/L) ranging from ND [none detected] to 23.9 ug/L. The one slightly elevated level [23.9 ug/L] was collected from the water fountain [bubbler] in the corridor next to #101 at West Broadway School. Refer to attached EMSL Lab Report for sample confirmation and the LAB ANALYSIS CHART for summary of sample areas/locations and corresponding lab analysis.*

*Lead concentrations in flushed water samples at fifteen (15) µg/l or greater are considered significant environmental lead hazards and require lead hazard reduction in accordance with the RI Rules and Regulations for Lead Prevention [R23-24.6-PB - Amended April 2014 (T)].*

## IRON IN DRINKING WATER

ELEMENTARY SCHOOLS - 21 of the 52 lab results sampled areas contained IRON levels ranging from 110 ug/L - 1300 ug/L. 5 of the 52 samples were higher than 300 ug/L.

MIDDLE SCHOOLS - All 18 of the lab results sampled areas contained IRON levels ranging from ND [none detected] - 200 ug/L.

*EPA's recommended limit is 300 micrograms/Liters for Iron. However, Iron in drinking water is on the EPA's Secondary Drinking Water Regulations Table. These limits are not enforced by EPA but are suggested as they are not considered hazardous to health.*

# LAB ANALYSIS CHART - LEAD & IRON IN WATER

## ELEMENTARY SCHOOL BUILDINGS

School	EMSL Lab Sample #	Sample Collection Location	LAB RESULTS	
			IRON	LEAD
			ug/L	ug/L

### RESERVOIR AVE. [Sampled on 3/28/16]

1	Nurse Office Bathroom sink	250	ND
2	Main Office Bathroom sink	300	ND
3	2nd Fl. Corridor WF	ND	ND
4	Basement - Corridor WF	ND	ND

The following 6 schools were sampled on 4/26/16.

### BROAD STREET

1	Corridor sink @ #101	380	2.13
2	Corridor WF @ Nurse Office	380	ND
3	Bathroom sink in Nurse Office	1300	ND

### FOGARTY

4	Corridor WF across from M-5B	180	3.2
5	Sink in Teacher's Copy Room	ND	9.38
6	Sink in Nurse Office	130	1.36

### FEINSTEIN @ SACKETT ST.

7	WF in corridor across from Main Office	260	ND
8	Sink in Nurse Office	ND	ND
9	WF in corridor across from #103	170	ND

### D'ABATE

10	WF in corridor @ Café	110	ND
11	Sink in Nurse Office	ND	5.87
12	Bathroom sink in Principal/Faculty Area	ND	ND

### SPAZIANO

13	Corridor WF @ office	140	3.78
14	Sink in Nurse Office	570	2.94
15	2nd Fl. - WF in corridor @ Nurse office	ND	1.26

School	EMSL Lab Sample #	Sample Collection Location	LAB RESULTS	
			IRON	LEAD
			ug/L	ug/L

**SPAZIANO ANNEX**

16	Sink in bathroom @ #3 Room	ND	1
17	LL - WF in Café	ND	ND
18	LL - Sink in Faculty Bathroom - Right side	ND	1.08

The following 10 schools were sampled on 5/26/16.

**VARTAN GREGORIAN**

19	Nurse Office sink	160	ND
20	WF in corridor @ Nurse Office	170	ND
21	Wash station outside Girl's Bathroom @ #13	160	ND

**MARTIN LUTHER KING**

22	Nurse Office sink	ND	1.78
23	Principal/Main Office Bathroom sink	ND	1.32
24	Teacher's Room sink - D3	ND	2.32

**HARRY KIZIRIAN**

25	Teacher's Room Bathroom sink 1st Fl.	360	3.6
26	Nurse Office - Bathroom sink	120	ND
27	Lower Level - Kitchen prep sink	220	1.79

**VEAZIE ST.**

28	Main Office - Bathrrrom sink	ND	2.63
29	WF in corridor @ B214	ND	ND
30	Nurse Office sink	ND	ND

**ROBERT KENNEDY**

31	Nurse Office sink	ND	ND
32	Teacher's Room sink #116	ND	ND
33	WF in corridor @ GYM/Café	ND	ND

**PLEASANT VIEW**

34	WF in corridor @ Café/Main Office	ND	ND
35	Main Office - back room sink	110	2.18
36	Nurse Office - D1 - left room sink	ND	7.5

School	EMSL Lab Sample #	Sample Collection Location	LAB RESULTS	
			IRON	LEAD
			ug/L	ug/L

**D'ABATE**

37	WF in corridor @ Café/Main Office	170	ND
38	Nurse Office sink	110	3.04
39	Nurse Office - Bathroom sink	120	1.24

**WEBSTER AVE.**

40	Nurse Office -Bathroom sink - 2nd Fl.	ND	1.57
41	Teacher Lounge - Unit Sink - 2nd Fl.	ND	2.33
42	Main Office - Bathroom sink	ND	1.43

**ASA MESSA**

43	Nurse sink @ beds	ND	ND
44	Nurse Office - bathroom	ND	ND
45	Nurse WF	ND	2.25

**CARL LAURO**

46	Main Office - Bathroom sink @ Toilet/Stock Room	ND	ND
47	WF in corridor @ 107/306	170	ND
48	Nurse Office sink	ND	ND

Code:	WF = Water Fountain / Bubbler ND = none detected
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## MIDDLE SCHOOL BUILDINGS

School	EMSL Lab Sample #	Sample Collection Location	LAB RESULTS	
			IRON	LEAD
			ug/L	ug/L

### NATHAN GREENE

1	Bathroom @ 1st Fl. East	ND	ND
2	Nurse - Bathroom sink	ND	ND
3	Kitchen Sink	ND	ND

### ESEK HOPKINS

4	Nurse - Sink in bedroom	130	ND
5	Nurse - Girls bathroom sink	ND	ND
6	WF in corridor across from Copy Room	ND	ND

### NATHAN BISHOP

7	Kitchen sink	ND	1.98
8	Nurse - Exam Room sink	ND	ND
9	Nurse - bathroom sink	ND	ND

### ROGER WILLIAMS

10	WF across from Library	ND	ND
11	Nurse Office sink	ND	ND
12	WF in corridor @ Nurse Office	200	ND

### GILBERT STUART

13	Nurse - Bathroom sink	110	2.13
14	WF in corridor @ Nurse Office	220	ND
15	WF in corridor across from #105	ND	ND

### WEST BROADWAY

16	Nurse - Bathroom sink	ND	2.4
17	WF in corridor next to #102	ND	4.59
18	WF in corridor @ #101	ND	23.9

Code:	WF = Water Fountain / Bubbler
	ND = none detected

**EMSL - Lab Analytical Results**



**EMSL Analytical, Inc.**

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Project: 16-133 *RESERVOIR AVE. ELEMENTARY SCHOOL*

*ELEMENTARY SCHOOLS* Analytical Results

<i>Client Sample Description</i> 1-Nurse Off. <i>BATHROOM</i>		Collected: 3/28/2016 10:40:00 AM		Lab ID: 0001			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.7	Iron	250	100 µg/L	4/6/2016	JS	4/7/2016	JR
200.8	Lead	ND	1.00 µg/L	4/1/2016	KB	4/1/2016	KB

<i>Client Sample Description</i> 2-Main Off. Bath		Collected: 3/28/2016 10:41:00 AM		Lab ID: 0002			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.7	Iron	300	100 µg/L	4/6/2016	JS	4/7/2016	JR
200.8	Lead	ND	1.00 µg/L	4/1/2016	KB	4/1/2016	KB

<i>Client Sample Description</i> 3-2nd FL. Corr.-Bub		Collected: 3/28/2016 10:44:00 AM		Lab ID: 0003			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.7	Iron	ND	100 µg/L	4/6/2016	JS	4/7/2016	JR
200.8	Lead	ND	1.00 µg/L	4/1/2016	KB	4/1/2016	KB

<i>Client Sample Description</i> 4-Base. Corr.-Bub		Collected: 3/28/2016 10:50:00 AM		Lab ID: 0004			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.7	Iron	ND	100 µg/L	4/6/2016	JS	4/7/2016	JR
200.8	Lead	ND	1.00 µg/L	4/1/2016	KB	4/1/2016	KB

**Definitions:**

ND - indicates that the analyte was not detected at the reporting limit  
RL - Reporting Limit



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 Received: 04/27/16 10:00 AM

Project: 16-173

**Analytical Results**

Client Sample Description		1	BROAD ST.	Collected:	4/25/2016	Lab ID:	0001	
			Broad Corridor Sink @ 101		9:10:00 AM			
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	380	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	2.13	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		2	Broad Corr. Bubbler @ Nurse	Collected:	4/25/2016	Lab ID:	0002	
					9:15:00 AM			
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	380	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	ND	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		3	Broad Nurse Off. Bath Sink	Collected:	4/25/2016	Lab ID:	0003	
					9:20:00 AM			
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	1300	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	ND	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		4	Fogarty	Collected:	4/25/2016	Lab ID:	0004	
			Fogarty Corr. Bubb across M-5B		9:25:00 AM			
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	180	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	3.20	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		5	Fogarty Sink in Teach / Copy Rm	Collected:	4/25/2016	Lab ID:	0005	
					9:30:00 AM			
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	9.38	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		6	Fogarty Sink in Nurse Office	Collected:	4/25/2016	Lab ID:	0006	
					9:35:00 AM			
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	130	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	1.35	1.00	µg/L	5/11/2016	KB	5/11/2016	KB



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 Project: 16-173

## Analytical Results

Client Sample Description		7	SACKET	Collected:	4/25/2016	Lab ID:	0007	
		Sackett Bubbler in Corr. @ Main Office		9:40:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	260	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	ND	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		8	SACKET	Collected:	4/25/2016	Lab ID:	0008	
		Sackett Nurse Office Sink		9:45:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	ND	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		9	SACKET	Collected:	4/25/2016	Lab ID:	0009	
		Sackett Corr. Bubb. @ 103		9:50:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	170	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	ND	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		10	D'ABATE	Collected:	4/25/2016	Lab ID:	0010	
		D'ABATE Dabate Bubbler @ Corr / Café		9:55:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	110	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	ND	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		11	DABATE	Collected:	4/25/2016	Lab ID:	0011	
		Dabate Sink in Nurse Office		10:00:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	5.87	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		12	DABATE	Collected:	4/25/2016	Lab ID:	0012	
		Dabate Principal Bath Sink		10:05:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	ND	1.00	µg/L	5/11/2016	KB	5/11/2016	KB



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Received: 04/27/16 10:00 AM

Project: 16-173

### Analytical Results

Client Sample Description		13	SPAZIANO	Collected:	4/25/2016	Lab ID:	0013	
		Spaz Corr. Bubb @ Office		10:10:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	140	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	3.78	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		14	SPAZIANO	Collected:	4/25/2016	Lab ID:	0014	
		Spaz Nurse Off. Sink 2nd Fl.		10:15:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	570	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	2.94	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		15	SPAZIANO	Collected:	4/25/2016	Lab ID:	0015	
		Spaz 2nd Fl Corr. Bubb @ Nurse		10:20:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	5/9/2016	JS	5/9/2016	JS
200.8	Lead	1.26	1.00	µg/L	5/11/2016	KB	5/11/2016	KB
Client Sample Description		16	SPAZIANO ANNEX	Collected:	4/25/2016	Lab ID:	0016	
		Spaz Annex Sink in Bathroom #3		10:25:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	5/12/2016	JS	5/13/2016	BE
200.8	Lead	1.00	1.00	µg/L	5/12/2016	EG	5/12/2016	KB
Client Sample Description		17	SPAZIANO	Collected:	4/25/2016	Lab ID:	0017	
		Spaz Annex Café Bubbler LL		10:30:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	5/12/2016	JS	5/13/2016	BE
200.8	Lead	ND	1.00	µg/L	5/12/2016	EG	5/12/2016	KB
Client Sample Description		18	SPAZIANO	Collected:	4/25/2016	Lab ID:	0018	
		Spaz Annex LL Faculty Bathroom Right		10:35:00 AM				
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	5/12/2016	JS	5/13/2016	BE
200.8	Lead	1.08	1.00	µg/L	5/12/2016	EG	5/12/2016	KB

#### Definitions:

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Project: 16-173B

## Analytical Results

Client Sample Description		19	NURSE OFFICE SINK	Collected:	5/26/2016	Lab ID:	0001	
		Vartan Gregorian						
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	160	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG
Client Sample Description		20	WF IN CLOSET	Collected:	5/26/2016	Lab ID:	0002	
		Vartan Gregorian						
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	170	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG
Client Sample Description		21	WASH STATION	Collected:	5/26/2016	Lab ID:	0003	
		Vartan Gregorian						
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	160	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG
Client Sample Description		22	NURSE OFFICE SINK	Collected:	5/26/2016	Lab ID:	0004	
		Martin Luther King						
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	1.78	1.00	µg/L	6/1/2016	EG	6/2/2016	EG
Client Sample Description		23	PRINCIPAL SINK	Collected:	5/26/2016	Lab ID:	0005	
		Martin Luther King						
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	1.32	1.00	µg/L	6/1/2016	EG	6/2/2016	EG
Client Sample Description		24	TEACHER ROOM SINK	Collected:	5/26/2016	Lab ID:	0006	
		Martin Luther King						
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	2.32	1.00	µg/L	6/1/2016	EG	6/2/2016	EG



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Received: 05/27/16 9:35 AM

Project: 16-173B

## Analytical Results

Client Sample Description		25 <i>TEACHERS ROOM</i> Harry Kizirian	Collected:	5/26/2016	Lab ID:	0007		
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	360	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	3.60	1.00	µg/L	6/1/2016	EG	6/2/2016	EG

Client Sample Description		26 <i>NURSE OFFICE</i> Harry Kizirian	Collected:	5/26/2016	Lab ID:	0008		
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	120	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG

Client Sample Description		27 <i>L.L. KITCHEN</i> Harry Kizirian	Collected:	5/26/2016	Lab ID:	0009		
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	220	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	1.79	1.00	µg/L	6/1/2016	EG	6/2/2016	EG

Client Sample Description		28 <i>MAIN OFFICE</i> Veazie St.	Collected:	5/26/2016	Lab ID:	0010		
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	2.63	1.00	µg/L	6/1/2016	EG	6/2/2016	EG

Client Sample Description		29 <i>WC IN CORRIDOR</i> Veazie St.	Collected:	5/26/2016	Lab ID:	0011		
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG

Client Sample Description		30 <i>NURSE OFFICE SINK</i> Veazie SL	Collected:	5/26/2016	Lab ID:	0012		
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8	Lead	ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG



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 ProjectID:

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**PO Box 6060** Received: 05/27/16 9:35 AM  
**Warwick, RI 02887-6060**

Project: 16-173B

## Analytical Results

Client Sample Description	31	<i>NURSE OFFICE SINK</i>	Collected:	5/26/2016	Lab ID:	0013				
		Robert Kennedy								
<b>Method</b>		<b>Parameter</b>		<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Prep Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
200.7		Iron		ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8		Lead		ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG
<b>Client Sample Description</b>	<b>32</b>	<b><i>TEACHER ROOM SINK</i></b>	<b>Collected:</b>	<b>5/26/2016</b>	<b>Lab ID:</b>	<b>0014</b>				
		Robert Kennedy								
<b>Method</b>		<b>Parameter</b>		<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Prep Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
200.7		Iron		ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8		Lead		ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG
<b>Client Sample Description</b>	<b>33</b>	<b><i>WF - CORRIDOR</i></b>	<b>Collected:</b>	<b>5/26/2016</b>	<b>Lab ID:</b>	<b>0015</b>				
		Robert Kennedy								
<b>Method</b>		<b>Parameter</b>		<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Prep Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
200.7		Iron		ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8		Lead		ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG
<b>Client Sample Description</b>	<b>34</b>	<b><i>WF @ CAFE</i></b>	<b>Collected:</b>	<b>5/26/2016</b>	<b>Lab ID:</b>	<b>0016</b>				
		Pleasant View								
<b>Method</b>		<b>Parameter</b>		<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Prep Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
200.7		Iron		ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8		Lead		ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG
<b>Client Sample Description</b>	<b>35</b>	<b><i>MAIN OFFICE SINK</i></b>	<b>Collected:</b>	<b>5/26/2016</b>	<b>Lab ID:</b>	<b>0017</b>				
		Pleasant View								
<b>Method</b>		<b>Parameter</b>		<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Prep Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
200.7		Iron		110	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8		Lead		2.18	1.00	µg/L	6/1/2016	EG	6/2/2016	EG
<b>Client Sample Description</b>	<b>36</b>	<b><i>NURSE OFFICE SINK</i></b>	<b>Collected:</b>	<b>5/26/2016</b>	<b>Lab ID:</b>	<b>0018</b>				
		Pleasant View								
<b>Method</b>		<b>Parameter</b>		<b>Result</b>	<b>RL</b>	<b>Units</b>	<b>Prep Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
200.7		Iron		ND	100	µg/L	6/2/2016	JS	6/2/2016	BE
200.8		Lead		7.50	1.00	µg/L	6/1/2016	EG	6/2/2016	EG



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**PO Box 6060** Received: 05/27/16 9:35 AM  
**Warwick, RI 02887-6060**  
  
Project: 16-173B

### Analytical Results

Client Sample Description	Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
37 <b>WF-CORRIDOR</b> William D'Abate						5/26/2016		0019	
	200.7	Iron	170	100	µg/L	6/2/2016	JS	6/2/2016	BE
	200.8	Lead	ND	1.00	µg/L	6/1/2016	EG	6/1/2016	EG
38 <b>NURSE OFFICE</b> William D'Abate						5/26/2016		0020	
	200.7	Iron	110	100	µg/L	6/2/2016	JS	6/2/2016	BE
	200.8	Lead	3.04	1.00	µg/L	6/1/2016	EG	6/2/2016	EG
39 <b>NURSE OFFICE</b> William D'Abate						5/26/2016		0021	
	200.7	Iron	120	100	µg/L	6/2/2016	BE	6/2/2016	BE
	200.8	Lead	1.24	1.00	µg/L	6/1/2016	EG	6/2/2016	EG
40 <b>NURSE OFFICE</b> Webster Ave.						5/26/2016		0022	
	200.7	Iron	ND	100	µg/L	6/2/2016	BE	6/2/2016	BE
	200.8	Lead	1.57	1.00	µg/L	6/1/2016	EG	6/2/2016	EG
41 <b>STORAGE LOUNGE</b> Webster Ave.						5/26/2016		0023	
	200.7	Iron	ND	100	µg/L	6/2/2016	BE	6/2/2016	BE
	200.8	Lead	2.33	1.00	µg/L	6/1/2016	EG	6/2/2016	EG
42 <b>MAIN OFFICE</b> Webster Ave.						5/26/2016		0024	
	200.7	Iron	ND	100	µg/L	6/2/2016	BE	6/2/2016	BE
	200.8	Lead	1.43	1.00	µg/L	6/1/2016	EG	6/2/2016	EG



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Project: 16-173B

## Analytical Results

Client Sample Description	Method	Parameter	Result	RL Units	Prep Date	Analyst	Analysis Date	Analyst
43 <b>NURSE SINK</b> Asa Messer					5/26/2016		0025	
	200.7	Iron	ND	100 µg/L	6/2/2016	BE	6/2/2016	BE
	200.8	Lead	ND	1.00 µg/L	6/1/2016	EG	6/1/2016	EG
44 <b>NURSE OFFICE SINK</b> Asa Messer					5/26/2016		0026	
	200.7	Iron	ND	100 µg/L	6/2/2016	BE	6/2/2016	BE
	200.8	Lead	ND	1.00 µg/L	6/1/2016	EG	6/1/2016	EG
45 <b>WF NURSE OFFICE</b> Asa Messer					5/26/2016		0027	
	200.7	Iron	ND	100 µg/L	6/2/2016	BE	6/2/2016	BE
	200.8	Lead	2.25	1.00 µg/L	6/1/2016	EG	6/2/2016	EG
46 <b>MAIN OFFICE SINK</b> CARL LAURO Carl Lavro					5/26/2016		0028	
	200.7	Iron	ND	100 µg/L	6/2/2016	BE	6/2/2016	BE
	200.8	Lead	ND	1.00 µg/L	6/1/2016	EG	6/1/2016	EG
47 <b>WF CORRIDOR</b> Carl Lavro					5/26/2016		0029	
	200.7	Iron	170	100 µg/L	6/2/2016	BE	6/2/2016	BE
	200.8	Lead	ND	1.00 µg/L	6/1/2016	EG	6/1/2016	EG
48 <b>NURSE OFFICE SINK</b> Carl Lavro					5/26/2016		0030	
	200.7	Iron	ND	100 µg/L	6/2/2016	BE	6/2/2016	BE
	200.8	Lead	ND	1.00 µg/L	6/1/2016	EG	6/1/2016	EG

### Definitions:

ND - Indicates that the analyte was not detected at the reporting limit  
 RL - Reporting Limit



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Project: 16-238

# MIDDLE SCHOOLS

## Analytical Results

**Client Sample Description 1** *NATHAN GREENE* **Collected:** 6/15/2016 **Lab ID:** 0001  
 Bathroom (M) @ 1st Floor East

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Client Sample Description 2** **Collected:** 6/15/2016 **Lab ID:** 0002  
 Nurse - Bath Sink

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Client Sample Description 3** **Collected:** 6/15/2016 **Lab ID:** 0003  
 Kitchen Sink

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Client Sample Description 4** *ESEK HOPKINS* **Collected:** 6/15/2016 **Lab ID:** 0004  
 Nurse Sink in Bedroom

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	130	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Client Sample Description 5** **Collected:** 6/15/2016 **Lab ID:** 0005  
 Nurses - Girls Bath Sink

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Client Sample Description 6** **Collected:** 6/15/2016 **Lab ID:** 0006  
 Bubbler - Corridor Across From Copy Room

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

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Project: 16-238

**Analytical Results**

**Client Sample Description** 7 *NATHAN BISHOP*      **Collected:** 6/15/2016      **Lab ID:** 0007  
 Kitchen Sink (From Street)

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	1.98	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Client Sample Description** 8      **Collected:** 6/15/2016      **Lab ID:** 0008  
 Nurse Office - Exam Room Sink

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Client Sample Description** 9      **Collected:** 6/15/2016      **Lab ID:** 0009  
 Nurse Office - Bathroom Sink

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Client Sample Description** 10 *ROSSE WILLIAMS*      **Collected:** 6/15/2016      **Lab ID:** 0010  
 Bubbler Across from Library

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Client Sample Description** 11      **Collected:** 6/15/2016      **Lab ID:** 0011  
 Nurse Office Sink

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Client Sample Description** 12      **Collected:** 6/15/2016      **Lab ID:** 0012  
 Bubbler in Corridor @ Nurse Office

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	200	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

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Project: 16-238

**Analytical Results**

Client Sample Description	13	<i>GILBERT STUART</i>	Collected:	6/15/2016	Lab ID:	0013		
Nurse Office - Bathroom Sink								
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	110	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	2.13	1.00	µg/L	6/24/2016	EG	6/29/2016	EG
Client Sample Description	14		Collected:	6/15/2016	Lab ID:	0014		
Bubbler In Corridor @ Nurse Office								
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	220	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG
Client Sample Description	15		Collected:	6/15/2016	Lab ID:	0015		
Bubbler in Corridor Across from 105								
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	ND	1.00	µg/L	6/24/2016	EG	6/29/2016	EG
Client Sample Description	16	<i>WEST BROADWAY</i>	Collected:	6/15/2016	Lab ID:	0016		
Nurse Office - Bathroom Sink								
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	2.40	1.00	µg/L	6/24/2016	EG	6/29/2016	EG
Client Sample Description	17		Collected:	6/15/2016	Lab ID:	0017		
Bubbler in Corridor next to #102								
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	4.59	1.00	µg/L	6/24/2016	EG	6/29/2016	EG
Client Sample Description	18		Collected:	6/15/2016	Lab ID:	0018		
Bubbler in Corridor next to #101								
Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
200.7	Iron	ND	100	µg/L	6/24/2016	BE	6/24/2016	BE
200.8	Lead	23.9	1.00	µg/L	6/24/2016	EG	6/29/2016	EG

**Definitions:**

ND - Indicates that the analyte was not detected at the reporting limit  
 RL - Reporting Limit (Analytical)