

October 14, 2016

Adelaide Environmental Health  
1511 Route 22, Suite C24  
Brewster, NY 10509

Work Order No.: 1611774

Re: Franklin Ave Elementary, 48 Franklin Ave, Pearl Ri

Dear John Soter:

Microbac Laboratories, Inc. - Chicagoland Division received 16 sample(s) on 9/28/2016 9:25:06AM for the analyses presented in the following report as Work Order 1611774.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please contact your project manager. For any feedback, please contact Robert Crookston, Managing Director, at [robert.crookston@microbac.com](mailto:robert.crookston@microbac.com).

Sincerely,  
Microbac Laboratories, Inc.



Karen Ziolkowski  
Senior Project Manager



**WORK ORDER SAMPLE SUMMARY**

**Date:** *Friday, October 14, 2016*

**Client:** Adelaide Environmental Health  
**Project:** Franklin Ave Elementary, 48 Franklin Ave, Pearl Ri  
**Lab Order:** 1611774

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
1611774-01	16-117-PR-FES-BF-057	1ST Floor Kitchen Bath	09/24/2016 00:00	9/29/2016 6:15:24PM
1611774-02	16-117-PR-FES-CF-058	1ST Floor Classroom	209/24/2016 00:00	9/29/2016 6:15:24PM
1611774-03	16-117-PR-FES-BF-059	1ST Floor Classroom	209/24/2016 00:00	9/29/2016 6:15:24PM
1611774-04	16-117-PR-FES-BF-060	1ST Floor Classroom	309/24/2016 00:00	9/29/2016 6:15:24PM
1611774-05	16-117-PR-FES-CF-061	1ST Floor Classroom	309/24/2016 00:00	9/29/2016 6:15:24PM
1611774-06	16-117-PR-FES-BF-062	1ST Floor Classroom	609/24/2016 00:00	9/29/2016 6:15:24PM
1611774-07	16-117-PR-FES-BF-063	1ST Floor Girls Bathroo	09/24/2016 00:00	9/29/2016 6:15:24PM
1611774-08	16-117-PR-FES-WC-064	1ST Floor Water Fount	09/24/2016 00:00	9/29/2016 6:15:25PM
1611774-09	16-117-PR-FES-BF-065	1ST Floor Boys Bathro	09/24/2016 00:00	9/29/2016 6:15:25PM
1611774-10	16-117-PR-FES-CF-066	1ST Floor Classroom	209/24/2016 00:00	9/29/2016 6:15:25PM
1611774-11	16-117-PR-FES-BF-067	1ST Floor Classroom	209/24/2016 00:00	9/29/2016 6:15:25PM
1611774-12	16-117-PR-FES-CF-068	1ST Floor Classroom	209/24/2016 00:00	9/29/2016 6:15:25PM
1611774-13	16-117-PR-FES-CF-069	1ST Floor Classroom	209/24/2016 00:00	9/29/2016 6:15:25PM
1611774-14	16-117-PR-FES-BF-070	1ST Floor Nurse Bathro	09/24/2016 00:00	9/29/2016 6:15:25PM
1611774-15	16-117-PR-FES-BF-071	1ST Floor Faculty Bath	09/24/2016 00:00	9/29/2016 6:15:25PM
1611774-16	16-117-PR-FES-BF-072	1ST Floor Faculty Bath	09/24/2016 00:00	9/29/2016 6:15:25PM

## Analytical Results

Date: *Friday, October 14, 2016*

**Client:** Adelaide Environmental Health **Work Order:** 1611774  
**Client Project:** Franklin Ave Elementary, 48 Franklin Ave, Pearl Ri **Received:** 09/29/2016 18:15

Analyses	Certs	Result	Units	Qual	Analyzed	Tech	Method
01 16-117-PR-FES-BF-057 - 1ST Floor Kitchen Bathroom Sink							<i>Collected: 09/24/2016 00:00</i>
Lead	gdmnoi	5.8	ug/L		10/10/2016 19:51	RPL	EPA 200.8 Rev 5.4
02 16-117-PR-FES-CF-058 - 1ST Floor Classroom 2 Sink							<i>Collected: 09/24/2016 00:00</i>
Lead	gdmnoi	7.8	ug/L		10/10/2016 19:52	RPL	EPA 200.8 Rev 5.4
03 16-117-PR-FES-BF-059 - 1ST Floor Classroom 2 Bathroom Sink							<i>Collected: 09/24/2016 00:00</i>
Lead	gdmnoi	12	ug/L		10/10/2016 19:53	RPL	EPA 200.8 Rev 5.4
04 16-117-PR-FES-BF-060 - 1ST Floor Classroom 3 Bathroom Sink							<i>Collected: 09/24/2016 00:00</i>
Lead	gdmnoi	14	ug/L		10/10/2016 19:54	RPL	EPA 200.8 Rev 5.4
05 16-117-PR-FES-CF-061 - 1ST Floor Classroom 3 Sink							<i>Collected: 09/24/2016 00:00</i>
Lead	gdmnoi	5.6	ug/L		10/10/2016 19:55	RPL	EPA 200.8 Rev 5.4
06 16-117-PR-FES-BF-062 - 1ST Floor Classroom 6 Bathroom Sink							<i>Collected: 09/24/2016 00:00</i>
Lead	gdmnoi	56	ug/L		10/10/2016 21:46	RPL	EPA 200.8 Rev 5.4
07 16-117-PR-FES-BF-063 - 1ST Floor Girls Bathroom Left Sink							<i>Collected: 09/24/2016 00:00</i>
Lead	gdmnoi	< 5.0	ug/L		10/10/2016 21:47	RPL	EPA 200.8 Rev 5.4
08 16-117-PR-FES-WC-064 - 1ST Floor Water Fountain by Boys Bathroom							<i>Collected: 09/24/2016 00:00</i>
Lead	gdmnoi	< 5.0	ug/L		10/10/2016 21:48	RPL	EPA 200.8 Rev 5.4
09 16-117-PR-FES-BF-065 - 1ST Floor Boys Bathroom Left Sink							<i>Collected: 09/24/2016 00:00</i>
Lead	gdmnoi	< 5.0	ug/L		10/10/2016 21:48	RPL	EPA 200.8 Rev 5.4
10 16-117-PR-FES-CF-066 - 1ST Floor Classroom 21 Sink							<i>Collected: 09/24/2016 00:00</i>
Lead	gdmnoi	6.1	ug/L		10/10/2016 21:49	RPL	EPA 200.8 Rev 5.4



## Analytical Results

Date: *Friday, October 14, 2016*

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11	16-117-PR-FES-BF-067 - 1ST Floor Classroom 21 Bathroom Sink						Collected: 09/24/2016 00:00
Lead	gdmnoi	27	ug/L	10/10/2016 21:50	RPL	EPA 200.8 Rev 5.4	

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12	16-117-PR-FES-CF-068 - 1ST Floor Classroom 22 Sink						Collected: 09/24/2016 00:00
Lead	gdmnoi	6.2	ug/L	10/10/2016 21:52	RPL	EPA 200.8 Rev 5.4	

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13	16-117-PR-FES-CF-069 - 1ST Floor Classroom 24 Sink						Collected: 09/24/2016 00:00
Lead	gdmnoi	< 5.0	ug/L	10/10/2016 21:53	RPL	EPA 200.8 Rev 5.4	

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14	16-117-PR-FES-BF-070 - 1ST Floor Nurse Bathroom Sink						Collected: 09/24/2016 00:00
Lead	gdmnoi	6.0	ug/L	10/10/2016 21:54	RPL	EPA 200.8 Rev 5.4	

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15	16-117-PR-FES-BF-071 - 1ST Floor Faculty Bathroom by Nurse Office Sink						Collected: 09/24/2016 00:00
Lead	gdmnoi	< 5.0	ug/L	10/10/2016 21:54	RPL	EPA 200.8 Rev 5.4	

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16	16-117-PR-FES-BF-072 - 1ST Floor Faculty Bathroom by Staff Lounge						Collected: 09/24/2016 00:00
Lead	gdmnoi	5.6	ug/L	10/10/2016 21:58	RPL	EPA 200.8 Rev 5.4	

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Microbac Laboratories, Inc.

250 West 84<sup>th</sup> Drive | Merrillville, IN 46410 | 800.536.8379 p | 219.769.8378 p | 219.769.1664 f | [www.microbac.com](http://www.microbac.com)

**FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

B = Detected in the associated method Blank at a concentration above the routine RL  
b- = Detected in the associated method Blank at a concentration greater than 2.2 times the MDL  
b\* = Detected in the associated method Blank at a concentration greater than half the RL  
CFU = Colony forming units  
D = Dilution performed on sample  
DF = Dilution Factor  
g = Gram  
E = Value above quantitation range  
H = Analyte was prepared and/or analyzed outside of the analytical method holding time  
I = Matrix Interference  
J = Analyte concentration detected between RL and MDL (Metals / Organics)  
LOD = Limit of Detection  
LOQ = Limit of Quantitation  
m<sup>3</sup> = Meters cubed  
MDL = Method Detection Limit  
mg/Kg = Milligrams per Kilogram (ppm)  
mg/L = Milligrams per Liter (ppm)  
NA = Not Analyzed  
ND = Not Detected at the Reporting Limit (or the Method Detection Limit, if used)  
NR = Not Recovered  
R = RPD outside accepted recovery limits  
RL = Reporting Limit  
S = Spike recovery outside recovery limits  
Surr = Surrogate  
U = Undetected  
> = Greater than  
< = Less than  
% = Percent  
\* = Result exceeds project specific limits

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**ANALYTE TYPES: (AT)**

A,B = Target Analyte  
I = Internal Standard  
M = Summation Analyte  
S = Surrogate  
T = Tentatively Identified Compound (TIC, concentration estimated)

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**QC SAMPLE IDENTIFICATIONS**

BLK = Method Blank	ICSA = Interference Check Standard "A"
DUP = Method Duplicate	ICSAB = Interference Check Standard "AB"
BS = Method Blank Spike	BSD = Method Blank Spike Duplicate
MS = Matrix Spike	MSD = Matrix Spike Duplicate
ICB = Initial Calibration Blank	ICV = Initial Calibration Verification
CCB = Continuing Calibration Blank	CCV = Continuing Calibration Verification
CRL = Client Required Reporting Limit	OPR = Ongoing Precision and Recovery Standard
PDS = Post Digestion Spike	SD = Serial Dilution
QCS = Quality Control Standard	

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**CERTIFICATIONS (Certs)**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- <sup>d</sup> Illinois EPA drinking water, wastewater and solid waste analysis (#200064)
- <sup>g</sup> Indiana SDH chemical analysis of drinking water (#C-45-03)
- <sup>i</sup> Kansas Dept Health & Env. NELAP (#E-10397)
- <sup>m</sup> New York State Department of Health Wadsworth (#12006)
- <sup>n</sup> Pennsylvania Department of Environmental Protect (#68-04863)
- <sup>o</sup> Virginia Department of General Services Division of Consolidated Laboratory Services (#7990)



**COOLER INSPECTION**

Client Name: Adelaide Environmental Health

Work Order Number: 1611774

Checklist completed by: 9/29/2016 6:15:24PM | Nicole Rainwater

Carrier Name: UPS

Date: Friday, October 14, 2016

Date/Time Received: 09/28/2016 09:25

Received by: Dave Bryant

Reviewed by: 9/30/2016 | RJM

Cooler ID: Default Cooler

Container/Temp Blank Temperature: 21.4° C

After-Hour Arrival?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Shipping container/cooler in good condition?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample containers?	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
COC present?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC included sufficient client identification?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC included sufficient sample collector information?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC included a sample description?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC agrees with sample labels?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC identified the appropriate matrix?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC included date of collection?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC included time of collection?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC identified the appropriate number of containers?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Samples in proper container/bottle?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Sample containers intact?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
All samples received within holding time?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
If the samples are preserved, are the preservatives identified?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	

If No, adjusted by? \_\_\_\_\_

COC included the requested analyses?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
COC signed when relinquished and received?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Samples received on ice?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
Samples properly preserved?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Voa vials for aqueous samples have zero headspace?	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>

Cooler Comments: \_\_\_\_\_

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

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250 West 84<sup>th</sup> Drive | Merrillville, IN 46410 | 800.536.8379 p | 219.769.8378 p | 219.769.1664 f | www.microbac.com

Sample ID	Client Sample ID	Comments
16I1774-01	16-117-PR-FES-BF-057	
16I1774-02	16-117-PR-FES-CF-058	
16I1774-03	16-117-PR-FES-BF-059	
16I1774-04	16-117-PR-FES-BF-060	
16I1774-05	16-117-PR-FES-CF-061	
16I1774-06	16-117-PR-FES-BF-062	
16I1774-07	16-117-PR-FES-BF-063	
16I1774-08	16-117-PR-FES-WC-064	
16I1774-09	16-117-PR-FES-BF-065	
16I1774-10	16-117-PR-FES-CF-066	
16I1774-11	16-117-PR-FES-BF-067	
16I1774-12	16-117-PR-FES-CF-068	
16I1774-13	16-117-PR-FES-CF-069	
16I1774-14	16-117-PR-FES-BF-070	
16I1774-15	16-117-PR-FES-BF-071	
16I1774-16	16-117-PR-FES-BF-072	

Adelaide Environmental  
1511 Rt 22, Suite C24  
Brewster, NY 10509  
adelaide@results@adelaideinc.com

Field Chain-of-Custody Record

Lead in Drinking Water  
Turn around time: Standard  
Adelaide Project # BOCE:16250.05-WA

Site: Franklin Avenue Elementary School  
48 Franklin Avenue  
Pearl River, NY 10965

1611774 Karen Ziolkowski  
Adelaide Environmental Health - Brewster NY  
DW Lead  
09/29/2016



Lab Project Number:

Date: 9/24/16

Inspector: Myles Galloway

Page 1 of 1

NR#1929-10  
1611774

1611774

Sample ID	Floor #	Sample Description	Analysis	Matrix	Container
16-117-PR-FES-BF-057	1	Kitchen bathroom sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-CF-058	1	Class rm 2 sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-BF-059	1	Class rm 2 bathroom sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-BF-060	1	class rm 3 bathroom sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-CF-061	1	class rm 3 sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-BF-062	1	class rm 6 bathroom sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-BF-063	1	Girls bathroom left sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-WC-064	1	Water Fountain by Boys bathroom	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-BF-065	1	Boys bathroom / left sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-CF-066	1	Class rm 21 sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-BF-067	1	Class rm 21 bathroom sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-CF-068	1	Class rm 22 sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-BF-069	1	Class rm 24 <del>bathroom</del> sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-BF-070	1	Nurse bathroom sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-BF-071	1	Faculty bathroom by nurse office sink	Lead	Drinking Water	250 ml Bottle
16-117-PR-FES-BF-072	1	Faculty bathroom by Staff lounge	Lead	Drinking Water	250 ml Bottle

Samples taken by:

Samples relinquished by:

Samples received by:

Signature / Date  
9/24/16

Signature / Date  
9/24/16

Signature / Date  
9/28/16 0925

Signature / Date  
Myles Galloway