



October 19, 2016

BCK-IBI - Binghamton NY  
41 Chenango St # 201  
Binghamton, NY 1901

Work Order No.: 1611620

Re: Thomas J Watson Elementary

Dear Dean Jordan:

Microbac Laboratories, Inc. - Chicagoland Division received 82 sample(s) on 9/27/2016 9:25:04AM for the analyses presented in the following report as Work Order 1611620.

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.

A handwritten signature in black ink that reads "Carey Gadzala". The signature is written in a cursive, flowing style.

Carey Gadzala  
Project Manager

[Microbac Laboratories, Inc.](http://www.microbac.com)

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**WORK ORDER SAMPLE SUMMARY**Date: *Wednesday, October 19, 2016*

**Client:** BCK-IBI - Binghamton NY  
**Project:** Thomas J Watson Elementary  
**Lab Order:** 16I1620

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
16I1620-01	TJW 1-4.2SS	J/C	09/21/2016 00:00	9/28/2016 9:35:24AM
16I1620-02	TJW 1-4.1SA	LAV. SINKS	09/21/2016 00:00	9/28/2016 9:35:24AM
16I1620-03	TJW 1-4.1SB	LAV. SINKS	09/21/2016 00:00	9/28/2016 9:35:24AM
16I1620-04	TJW 1-4.1SC	LAV. SINKS	09/21/2016 00:00	9/28/2016 9:35:24AM
16I1620-05	TJW 1-4.1SD	LAV. SINKS	09/21/2016 00:00	9/28/2016 9:35:24AM
16I1620-06	TJW 1-3.2SA	BOYS ROOM	09/21/2016 00:00	9/28/2016 9:35:24AM
16I1620-07	TJW 1-3.2SB	BOYS ROOM	09/21/2016 00:00	9/28/2016 9:35:24AM
16I1620-08	TJW 1-3.1SA	GIRLS ROOM	09/21/2016 00:00	9/28/2016 9:35:24AM
16I1620-09	TJW 1-3.1SB	GIRLS ROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-10	TJW 1-2.3SS	J/C	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-11	TJW 1-2.2S	GIRLS ROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-12	TJW 1-2.1S	BOYS ROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-13	TJW 1-1SS	J/C	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-14	TJW 1-1SA	LAV. SINKS	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-15	TJW 1-1SB	LAV. SINKS	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-16	TJW 1-1SC	LAV. SINKS	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-17	TJW 1-1SD	LAV. SINKS	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-18	TJW 1DF	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-19	TJW 1S	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-20	TJW 1.1S	TOILET	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-21	TJW 2DF	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-22	TJW 2S	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-23	TJW 2.1S	TOILET	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-24	TJW 3B	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-25	TJW 3S	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-26	TJW 4B	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-27	TJW 4S	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-28	TJW 5B	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-29	TJW 5S	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-30	TJW 9B	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-31	TJW 9S	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-32	TJW 10B	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-33	TJW 10S	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-34	TJW 11B	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-35	TJW 11S	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-36	TJW 12DF	OFFICE	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-37	TJW 12SA	TOILET	09/21/2016 00:00	9/28/2016 9:35:25AM
16I1620-38	TJW 12SB	OFFICE	09/21/2016 00:00	9/28/2016 9:35:26AM
16I1620-39	TJW 12.1S	TOILET	09/21/2016 00:00	9/28/2016 9:35:26AM
16I1620-40	TJW 12.2S	TOILET	09/21/2016 00:00	9/28/2016 9:35:26AM
16I1620-41	TJW 13B	CLASSROOM	09/21/2016 00:00	9/28/2016 9:35:26AM

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**WORK ORDER SAMPLE SUMMARY**Date: *Wednesday, October 19, 2016*

1611620-42	TJW 13S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-43	TJW 14B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-44	TJW 14S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-45	TJW 15B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-46	TJW 15S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-47	TJW 18B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-48	TJW 18S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-49	TJW 19B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-50	TJW 19S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-51	TJW 20B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-52	TJW 20S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-53	TJW 22SS	CUSTODIAN'S OFFICE	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-54	TJW 22.1S	TOILET	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-55	TJW 23S	SPECIAL EDUCATION	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-56	TJW 24S	MUSIC	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-57	TJW 25.1S	LIBRARY OFFICE	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-58	TJW 29B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-59	TJW 29S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-60	TJW 30B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-61	TJW 30S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-62	TJW 31B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-63	TJW 31S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-64	TJW 32.1S	LOCKER OFF. TOILET	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-65	TJW 32.2SS	J/C	09/21/2016 00:00	9/28/2016	9:35:26AM
1611620-66	TJW 33DF	LOCKER ROOM	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-67	TJW 33.1S	LOCKER OFF. TOILET	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-68	TJW 34B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-69	TJW 34S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-70	TJW 35B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-71	TJW 35S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-72	TJW 37B	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-73	TJW 37S	CLASSROOM	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-74	TJW 39SA	KITCHEN	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-75	TJW 39SB	KITCHEN	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-76	TJW 39SC	KITCHEN	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-77	TJW 39SD	KITCHEN	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-78	TJW 39SE	KITCHEN	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-79	TJW 39SF	KITCHEN	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-80	TJW 39.1S	KITCHEN OFFICE	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-81	TJW 40DF	CAFETERIA	09/21/2016 00:00	9/28/2016	9:35:27AM
1611620-82	TJW 40WB	CAFETERIA	09/21/2016 00:00	9/28/2016	9:35:27AM

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# Analytical Results

Date: *Wednesday, October 19, 2016*

**Client:** BCK-IBI - Binghamton NY **Work Order:** 1611620  
**Client Project:** Thomas J Watson Elementary **Received:** 09/28/2016 9:35

Analyses	Certs	Result	Units	Qual	Analyzed	Tech	Method
01 TJW 1-4.2SS - J/C							<i>Collected: 09/21/2016 00:00</i>
Lead	dgimno	<b>120</b>	ug/L		10/06/2016 17:25	SJE	EPA 200.8 Rev 5.4
02 TJW 1-4.1SA - LAV. SINKS							<i>Collected: 09/21/2016 00:00</i>
Lead	gdmnoi	<b>5.4</b>	ug/L		10/05/2016 16:08	RPL	EPA 200.8 Rev 5.4
03 TJW 1-4.1SB - LAV. SINKS							<i>Collected: 09/21/2016 00:00</i>
Lead	gdmnoi	<b>3.4</b>	ug/L		10/05/2016 16:09	RPL	EPA 200.8 Rev 5.4
04 TJW 1-4.1SC - LAV. SINKS							<i>Collected: 09/21/2016 00:00</i>
Lead	gdmnoi	<b>3.4</b>	ug/L		10/05/2016 16:12	RPL	EPA 200.8 Rev 5.4
05 TJW 1-4.1SD - LAV. SINKS							<i>Collected: 09/21/2016 00:00</i>
Lead	gdmnoi	<b>1.6</b>	ug/L		10/05/2016 16:13	RPL	EPA 200.8 Rev 5.4
06 TJW 1-3.2SA - BOYS ROOM							<i>Collected: 09/21/2016 00:00</i>
Lead	gdmnoi	<b>16</b>	ug/L		10/05/2016 16:14	RPL	EPA 200.8 Rev 5.4
07 TJW 1-3.2SB - BOYS ROOM							<i>Collected: 09/21/2016 00:00</i>
Lead	gdmnoi	<b>10</b>	ug/L		10/05/2016 16:15	RPL	EPA 200.8 Rev 5.4
08 TJW 1-3.1SA - GIRLS ROOM							<i>Collected: 09/21/2016 00:00</i>
Lead	gdmnoi	<b>3.3</b>	ug/L		10/05/2016 16:16	RPL	EPA 200.8 Rev 5.4
09 TJW 1-3.1SB - GIRLS ROOM							<i>Collected: 09/21/2016 00:00</i>
Lead	gdmnoi	<b>74</b>	ug/L		10/05/2016 16:17	RPL	EPA 200.8 Rev 5.4
10 TJW 1-2.3SS - J/C							<i>Collected: 09/21/2016 00:00</i>
Lead	gdmnoi	<b>4.3</b>	ug/L		10/05/2016 16:18	RPL	EPA 200.8 Rev 5.4

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## Analytical Results

Date: *Wednesday, October 19, 2016*

11	TJW 1-2.2S - GIRLS ROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	1.0	ug/L	10/05/2016 16:21	RPL	EPA 200.8 Rev 5.4	
12	TJW 1-2.1S - BOYS ROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	1.7	ug/L	10/05/2016 16:23	RPL	EPA 200.8 Rev 5.4	
13	TJW 1-1SS - J/C						Collected: 09/21/2016 00:00
Lead	gdmnoi	10	ug/L	10/05/2016 16:24	RPL	EPA 200.8 Rev 5.4	
14	TJW 1-1SA - LAV. SINKS						Collected: 09/21/2016 00:00
Lead	gdmnoi	3.0	ug/L	10/05/2016 16:25	RPL	EPA 200.8 Rev 5.4	
15	TJW 1-1SB - LAV. SINKS						Collected: 09/21/2016 00:00
Lead	gdmnoi	3.1	ug/L	10/05/2016 16:26	RPL	EPA 200.8 Rev 5.4	
16	TJW 1-1SC - LAV. SINKS						Collected: 09/21/2016 00:00
Lead	gdmnoi	11	ug/L	10/05/2016 16:27	RPL	EPA 200.8 Rev 5.4	
17	TJW 1-1SD - LAV. SINKS						Collected: 09/21/2016 00:00
Lead	gdmnoi	4.4	ug/L	10/05/2016 16:28	RPL	EPA 200.8 Rev 5.4	
18	TJW 1DF - CLASSROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	1.7	ug/L	10/05/2016 16:29	RPL	EPA 200.8 Rev 5.4	
19	TJW 1S - CLASSROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	4.2	ug/L	10/05/2016 16:30	RPL	EPA 200.8 Rev 5.4	
20	TJW 1.1S - TOILET						Collected: 09/21/2016 00:00
Lead	gdmnoi	89	ug/L	10/05/2016 16:31	RPL	EPA 200.8 Rev 5.4	
21	TJW 2DF - CLASSROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	3.5	ug/L	10/05/2016 16:39	RPL	EPA 200.8 Rev 5.4	

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## Analytical Results

Date: *Wednesday, October 19, 2016*

22 TJW 2S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **2.3** ug/L 10/05/2016 16:39 RPL EPA 200.8 Rev 5.4

23 TJW 2.1S - TOILET *Collected: 09/21/2016 00:00*

Lead gdmnoi **3.9** ug/L 10/05/2016 16:40 RPL EPA 200.8 Rev 5.4

24 TJW 3B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **2.7** ug/L 10/05/2016 16:41 RPL EPA 200.8 Rev 5.4

25 TJW 3S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **3.1** ug/L 10/05/2016 16:42 RPL EPA 200.8 Rev 5.4

26 TJW 4B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **3.0** ug/L 10/05/2016 16:43 RPL EPA 200.8 Rev 5.4

27 TJW 4S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **2.9** ug/L 10/05/2016 16:44 RPL EPA 200.8 Rev 5.4

28 TJW 5B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **6.1** ug/L 10/05/2016 16:45 RPL EPA 200.8 Rev 5.4

29 TJW 5S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **4.1** ug/L 10/05/2016 16:47 RPL EPA 200.8 Rev 5.4

30 TJW 9B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **3.7** ug/L 10/05/2016 16:50 RPL EPA 200.8 Rev 5.4

31 TJW 9S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **3.3** ug/L 10/05/2016 16:53 RPL EPA 200.8 Rev 5.4

32 TJW 10B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **2.9** ug/L 10/05/2016 16:54 RPL EPA 200.8 Rev 5.4

## Analytical Results

Date: *Wednesday, October 19, 2016*

33 TJW 10S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **2.3** ug/L 10/05/2016 16:54 RPL EPA 200.8 Rev 5.4

34 TJW 11B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **3.0** ug/L 10/05/2016 16:55 RPL EPA 200.8 Rev 5.4

35 TJW 11S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **6.3** ug/L 10/05/2016 16:57 RPL EPA 200.8 Rev 5.4

36 TJW 12DF - OFFICE *Collected: 09/21/2016 00:00*

Lead gdmnoi **1.2** ug/L 10/05/2016 16:58 RPL EPA 200.8 Rev 5.4

37 TJW 12SA - TOILET *Collected: 09/21/2016 00:00*

Lead gdmnoi **5.4** ug/L 10/05/2016 16:59 RPL EPA 200.8 Rev 5.4

38Ri TJW 12SB - OFFICE *Collected: 09/21/2016 00:00*

Lead gdmnoi **1.3** ug/L 10/06/2016 12:09 RPL EPA 200.8 Rev 5.4

39Ri TJW 12.1S - TOILET *Collected: 09/21/2016 00:00*

Lead gdmnoi **27** ug/L 10/06/2016 12:10 RPL EPA 200.8 Rev 5.4

40Ri TJW 12.2S - TOILET *Collected: 09/21/2016 00:00*

Lead gdmnoi **1.6** ug/L 10/06/2016 12:12 RPL EPA 200.8 Rev 5.4

41Ri TJW 13B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **1.6** ug/L 10/06/2016 12:15 RPL EPA 200.8 Rev 5.4

42Ri TJW 13S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **2.7** ug/L 10/06/2016 12:16 RPL EPA 200.8 Rev 5.4

43Ri TJW 14B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **16** ug/L 10/06/2016 12:17 RPL EPA 200.8 Rev 5.4

## Analytical Results

Date: *Wednesday, October 19, 2016*

44Ri TJW 14S - CLASSROOM

Collected: 09/21/2016 00:00

Lead                      gdmnoi    17                      ug/L                      10/06/2016 12:20    RPL    EPA 200.8 Rev 5.4

45Ri TJW 15B - CLASSROOM

Collected: 09/21/2016 00:00

Lead                      gdmnoi    39                      ug/L                      10/06/2016 12:21    RPL    EPA 200.8 Rev 5.4

46Ri TJW 15S - CLASSROOM

Collected: 09/21/2016 00:00

Lead                      gdmnoi    5.7                      ug/L                      10/06/2016 12:23    RPL    EPA 200.8 Rev 5.4

47Ri TJW 18B - CLASSROOM

Collected: 09/21/2016 00:00

Lead                      gdmnoi    3.2                      ug/L                      10/06/2016 12:23    RPL    EPA 200.8 Rev 5.4

48Ri TJW 18S - CLASSROOM

Collected: 09/21/2016 00:00

Lead                      gdmnoi    1.4                      ug/L                      10/06/2016 12:24    RPL    EPA 200.8 Rev 5.4

49Ri TJW 19B - CLASSROOM

Collected: 09/21/2016 00:00

Lead                      gdmnoi    3.1                      ug/L                      10/06/2016 12:25    RPL    EPA 200.8 Rev 5.4

50Ri TJW 19S - CLASSROOM

Collected: 09/21/2016 00:00

Lead                      gdmnoi    2.1                      ug/L                      10/06/2016 12:27    RPL    EPA 200.8 Rev 5.4

51Ri TJW 20B - CLASSROOM

Collected: 09/21/2016 00:00

Lead                      gdmnoi    3.7                      ug/L                      10/06/2016 12:30    RPL    EPA 200.8 Rev 5.4

52Ri TJW 20S - CLASSROOM

Collected: 09/21/2016 00:00

Lead                      gdmnoi    10                      ug/L                      10/06/2016 12:33    RPL    EPA 200.8 Rev 5.4

53Ri TJW 22SS - CUSTODIAN'S OFFICE

Collected: 09/21/2016 00:00

Lead                      gdmnoi    4.0                      ug/L                      10/06/2016 12:34    RPL    EPA 200.8 Rev 5.4

54 TJW 22.1S - TOILET

Collected: 09/21/2016 00:00

Lead                      gdmnoi    5.4                      ug/L                      10/05/2016 17:27    RPL    EPA 200.8 Rev 5.4



## Analytical Results

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55 TJW 23S - SPECIAL EDUCATION *Collected: 09/21/2016 00:00*

Lead gdmnoi **5.7** ug/L 10/18/2016 13:58 RPL EPA 200.8 Rev 5.4

56 TJW 24S - MUSIC *Collected: 09/21/2016 00:00*

Lead gdmnoi **9.7** ug/L 10/18/2016 14:00 RPL EPA 200.8 Rev 5.4

57 TJW 25.1S - LIBRARY OFFICE *Collected: 09/21/2016 00:00*

Lead gdmnoi **14** ug/L 10/18/2016 14:00 RPL EPA 200.8 Rev 5.4

58 TJW 29B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **2.5** ug/L 10/18/2016 14:01 RPL EPA 200.8 Rev 5.4

59 TJW 29S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **5.3** ug/L 10/18/2016 14:02 RPL EPA 200.8 Rev 5.4

60 TJW 30B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **3.5** ug/L 10/18/2016 14:02 RPL EPA 200.8 Rev 5.4

61 TJW 30S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **3.9** ug/L 10/18/2016 14:03 RPL EPA 200.8 Rev 5.4

62 TJW 31B - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **2.4** ug/L 10/18/2016 14:04 RPL EPA 200.8 Rev 5.4

63 TJW 31S - CLASSROOM *Collected: 09/21/2016 00:00*

Lead gdmnoi **6.8** ug/L 10/18/2016 14:06 RPL EPA 200.8 Rev 5.4

64 TJW 32.1S - LOCKER OFF. TOILET *Collected: 09/21/2016 00:00*

Lead gdmnoi **4.5** ug/L 10/18/2016 14:06 RPL EPA 200.8 Rev 5.4

65 TJW 32.2SS - J/C *Collected: 09/21/2016 00:00*

Lead gdmnoi **77** ug/L 10/18/2016 14:07 RPL EPA 200.8 Rev 5.4

Microbac Laboratories, Inc.

## Analytical Results

Date: *Wednesday, October 19, 2016*

66	TJW 33DF - LOCKER ROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	3.0	ug/L	10/18/2016 14:09	RPL	EPA 200.8 Rev 5.4	
67	TJW 33.1S - LOCKER OFF. TOILET						Collected: 09/21/2016 00:00
Lead	gdmnoi	7.2	ug/L	10/18/2016 14:10	RPL	EPA 200.8 Rev 5.4	
68	TJW 34B - CLASSROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	3.2	ug/L	10/18/2016 14:10	RPL	EPA 200.8 Rev 5.4	
69	TJW 34S - CLASSROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	3.4	ug/L	10/18/2016 14:11	RPL	EPA 200.8 Rev 5.4	
70	TJW 35B - CLASSROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	17	ug/L	10/18/2016 14:12	RPL	EPA 200.8 Rev 5.4	
71	TJW 35S - CLASSROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	3.0	ug/L	10/18/2016 14:14	RPL	EPA 200.8 Rev 5.4	
72	TJW 37B - CLASSROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	5.0	ug/L	10/18/2016 14:14	RPL	EPA 200.8 Rev 5.4	
73	TJW 37S - CLASSROOM						Collected: 09/21/2016 00:00
Lead	gdmnoi	2.6	ug/L	10/18/2016 14:15	RPL	EPA 200.8 Rev 5.4	
74	TJW 39SA - KITCHEN						Collected: 09/21/2016 00:00
Lead	gdmnoi	4.9	ug/L	10/18/2016 14:16	RPL	EPA 200.8 Rev 5.4	
75	TJW 39SB - KITCHEN						Collected: 09/21/2016 00:00
Lead	gdmnoi	4.7	ug/L	10/18/2016 14:16	RPL	EPA 200.8 Rev 5.4	
76	TJW 39SC - KITCHEN						Collected: 09/21/2016 00:00
Lead	gdmnoi	5.2	ug/L	10/18/2016 14:18	RPL	EPA 200.8 Rev 5.4	

## Analytical Results

Date: *Wednesday, October 19, 2016*

77 TJW 39SD - KITCHEN *Collected: 09/21/2016 00:00*

Lead **gdmnoi 10** ug/L 10/18/2016 14:19 RPL EPA 200.8 Rev 5.4

78 TJW 39SE - KITCHEN *Collected: 09/21/2016 00:00*

Lead **gdmnoi 17** ug/L 10/18/2016 14:20 RPL EPA 200.8 Rev 5.4

79 TJW 39SF - KITCHEN *Collected: 09/21/2016 00:00*

Lead **gdmnoi 7.6** ug/L 10/18/2016 14:22 RPL EPA 200.8 Rev 5.4

80 TJW 39.1S - KITCHEN OFFICE *Collected: 09/21/2016 00:00*

Lead **gdmnoi 5.7** ug/L 10/18/2016 14:22 RPL EPA 200.8 Rev 5.4

81 TJW 40DF - CAFETERIA *Collected: 09/21/2016 00:00*

Lead **gdmnoi < 1.0** ug/L 10/18/2016 14:23 RPL EPA 200.8 Rev 5.4

82 TJW 40WB - CAFETERIA *Collected: 09/21/2016 00:00*

Lead **gdmnoi < 1.0** ug/L 10/18/2016 14:24 RPL EPA 200.8 Rev 5.4

**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: BCK-IBI - Binghamton NY

Work Order Number: 1611620

Checklist completed by: 9/28/2016 9:35:24AM | Dave Bryant

Carrier Name: FedEx

Date: Wednesday, October 19, 2016

Date/Time Received: 09/27/2016 09:25

Received by: Dave Bryant

Reviewed by: 10/3/2016 | KAZ

Cooler ID: Default Cooler

Container/Temp Blank Temperature: 21.0° 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 checked="" 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 type="checkbox"/>	No	<input checked="" 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"/>	
Voas 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.**

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

Sample ID	Client Sample ID	Comments
16I1620-01	TJW 1-4.2SS	
16I1620-02	TJW 1-4.1SA	
16I1620-03	TJW 1-4.1SB	
16I1620-04	TJW 1-4.1SC	
16I1620-05	TJW 1-4.1SD	
16I1620-06	TJW 1-3.2SA	
16I1620-07	TJW 1-3.2SB	
16I1620-08	TJW 1-3.1SA	
16I1620-09	TJW 1-3.1SB	
16I1620-10	TJW 1-2.3SS	
16I1620-11	TJW 1-2.2S	
16I1620-12	TJW 1-2.1S	
16I1620-13	TJW 1-1SS	
16I1620-14	TJW 1-1SA	
16I1620-15	TJW 1-1SB	
16I1620-16	TJW 1-1SC	
16I1620-17	TJW 1-1SD	
16I1620-18	TJW 1DF	
16I1620-19	TJW 1S	
16I1620-20	TJW 1.1S	
16I1620-21	TJW 2DF	
16I1620-22	TJW 2S	
16I1620-23	TJW 2.1S	
16I1620-24	TJW 3B	
16I1620-25	TJW 3S	
16I1620-26	TJW 4B	
16I1620-27	TJW 4S	
16I1620-28	TJW 5B	
16I1620-29	TJW 5S	
16I1620-30	TJW 9B	
16I1620-31	TJW 9S	
16I1620-32	TJW 10B	
16I1620-33	TJW 10S	
16I1620-34	TJW 11B	
16I1620-35	TJW 11S	
16I1620-36	TJW 12DF	
16I1620-37	TJW 12SA	
16I1620-38	TJW 12SB	
16I1620-39	TJW 12.1S	
16I1620-40	TJW 12.2S	
16I1620-41	TJW 13B	
16I1620-42	TJW 13S	
16I1620-43	TJW 14B	
16I1620-44	TJW 14S	
16I1620-45	TJW 15B	
16I1620-51	TJW 20B	
16I1620-52	TJW 20S	
16I1620-53	TJW 22SS	
16I1620-54	TJW 22.1S	

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16I1620-55	TJW 23S
16I1620-61	TJW 30S
16I1620-62	TJW 31B
16I1620-63	TJW 31S
16I1620-64	TJW 32.1S
16I1620-65	TJW 32.2SS
16I1620-71	TJW 35S
16I1620-72	TJW 37B
16I1620-73	TJW 37S
16I1620-74	TJW 39SA
16I1620-75	TJW 39SB
16I1620-81	TJW 40DF
16I1620-82	TJW 40WB
16I1620-46	TJW 15S
16I1620-47	TJW 18B
16I1620-48	TJW 18S
16I1620-49	TJW 19B
16I1620-50	TJW 19S
16I1620-56	TJW 24S
16I1620-57	TJW 25.1S
16I1620-58	TJW 29B
16I1620-59	TJW 29S
16I1620-60	TJW 30B
16I1620-66	TJW 33DF
16I1620-67	TJW 33.1S
16I1620-68	TJW 34B
16I1620-69	TJW 34S
16I1620-70	TJW 35B
16I1620-76	TJW 39SC
16I1620-77	TJW 39SD
16I1620-78	TJW 39SE
16I1620-79	TJW 39SF
16I1620-80	TJW 39.1S

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sample split between 2 Boxes.

16I1620

UECSD - THOMAS J. WATSON ELEMENTARY SCHOOL					
LEAD TESTING IN SCHOOL DRINKING WATER					
S = SINK, SS = SLOP SINK, DF = DRINKING FOUNTAIN, B = BUBBLER					
SAMPLE #	ROOM #	ROOM USE	FIXTURE	TIME	NOTES
TJW 1-4.2SS	1-4.2	J/C	SS	0541	CORRIDOR AT 34
TJW 1-4.1SA	1-4.1	LAV. SINKS	S	0537	CORRIDOR AT 34
TJW 1-4.1SB	1-4.1	LAV. SINKS	S	0537	CORRIDOR AT 34
TJW 1-4.1SC	1-4.1	LAV. SINKS	S	0538	CORRIDOR AT 34
TJW 1-4.1SD	1-4.1	LAV. SINKS	S	0538	CORRIDOR AT 34
TJW 1-3.2SA	1-3.2	BOYS ROOM	S	0549	CORRIDOR AT STAGE
TJW 1-3.2SB	1-3.2	BOYS ROOM	S	0549	CORRIDOR AT STAGE
TJW 1-3.1SA	1-3.1	GIRLS ROOM	S	0548	CORRIDOR AT STAGE
TJW 1-3.1SB	1-3.1	GIRLS ROOM	S	0548	CORRIDOR AT STAGE
TJW 1-2.3SS	1-3.2	J/C	SS	0534	CORRIDOR AT GYMNASIUM
TJW 1-2.2S	1-2.2	GIRLS ROOM	S	0534	CORRIDOR AT GYMNASIUM
TJW 1-2.1S	1-2.1	BOYS ROOM	S	0533	CORRIDOR AT GYMNASIUM
TJW 1-1SS	1-1.1	J/C	SS	0525	CORRIDOR AT ROOM 16
TJW 1-1SA	1-1.1	LAV. SINKS	S	0527	CORRIDOR AT ROOM 16
TJW 1-1SB	1-1.1	LAV. SINKS	S	0527	CORRIDOR AT ROOM 16
TJW 1-1SC	1-1.1	LAV. SINKS	S	0528	CORRIDOR AT ROOM 16
TJW 1-1SD	1-1.1	LAV. SINKS	S	0528	CORRIDOR AT ROOM 16
TJW 1DF	1	CLASSROOM	DF	0513	
TJW 1S	1	CLASSROOM	S	0513	

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UECSD - THOMAS J. WATSON ELEMENTARY SCHOOL

LEAD TESTING IN SCHOOL DRINKING WATER

S = SINK, SS = SLOP SINK, DF = DRINKING FOUNTAIN, B = BUBBLER

SAMPLE #	ROOM #	ROOM USE	FIXTURE	TIME	NOTES
TJW 1.1S	1.1	TOILET	S	0513	20
TJW 2DF	1	CLASSROOM	DF	0516	21
TJW 2S	2	CLASSROOM	S	0516	22
TJW 2.1S	2.1	TOILET	S	0516	23
TJW 3B <sup>o</sup>	3	CLASSROOM	B	0520	24
TJW 3S	3	CLASSROOM	S	0520	25
TJW 4B	4	CLASSROOM	B	0524	26
TJW 4S	4	CLASSROOM	S	0524	27
TJW 5B	5	CLASSROOM	B	0529	28
TJW 5S	5	CLASSROOM	S	0529	29
TJW 9B	9	CLASSROOM	B	0531	30
TJW 9S	9	CLASSROOM	S	0531	31
TJW 10B	10	CLASSROOM	B	0534	32
TJW 10S	10	CLASSROOM	S	0534	33
TJW 11B	11	CLASSROOM	B	0539	34
TJW 11S	11	CLASSROOM	S	0539	35
✓ TJW 12DF	12	OFFICE	DF	0519	MAIN OFFICE 36
TJW 12SA <sup>o</sup>	12	TOILET	S	0519	MAIN OFFICE 37
TJW 12SB <sup>o</sup>	12	OFFICE	S	0522	HEALTH OFFICE - 38

UECSD - THOMAS J. WATSON ELEMENTARY SCHOOL

LEAD TESTING IN SCHOOL DRINKING WATER

S = SINK, SS = SLOP SINK, DF = DRINKING FOUNTAIN, B = BUBBLER

SAMPLE #	ROOM #	ROOM USE	FIXTURE	TIME	NOTES
TJW 12.1S	12.1	TOILET	S	0521	PRINCIPAL'S OFFICE 39
TJW 12.2S <sup>0</sup>	12.2	TOILET	S	0523	HEALTH OFFICE 40
TJW 13B	13	CLASSROOM	B	0541	41
TJW 13S	13	CLASSROOM	S	0541	42
TJW 14B	14	CLASSROOM	B	0544	43
TJW 14S	14	CLASSROOM	S	0544	44
TJW 15B	15	CLASSROOM	B	0546	45
TJW 15S	15	CLASSROOM	S	0546	46
TJW 18B	18	CLASSROOM	B	0549	47
TJW 18S	18	CLASSROOM	S	0549	48
TJW 19B	19	CLASSROOM	B	0552	49
TJW 19S	19	CLASSROOM	S	0552	50
TJW 20B	20	CLASSROOM	B	0556	51
TJW 20S	20	CLASSROOM	S	0556	52
TJW 22SS <sup>0</sup>	22	CUSTODIAN'S OFFICE	SS	0635	53
TJW 22.1S	22.1	TOILET	S	0515	CUSTODIAN'S OFFICE 54
TJW 23S	23	SPECIAL EDUCATION	S	0516	55
TJW 24S	24	MUSIC	S	0517	56
TJW 25.1S	25.1	LIBRARY OFFICE	S	0532	57

UECSD - THOMAS J. WATSON ELEMENTARY SCHOOL

LEAD TESTING IN SCHOOL DRINKING WATER

S = SINK, SS = SLOP SINK, DF = DRINKING FOUNTAIN, B = BUBBLER

SAMPLE #	ROOM #	ROOM USE	FIXTURE	TIME	NOTES
✓ TJW 29B	29	CLASSROOM	B	0612	58
TJW 29S	29	CLASSROOM	S	0612	<del>59</del> 59
TJW 30B	30	CLASSROOM	B	0614	<del>59</del> 60
TJW 30S	30	CLASSROOM	S	0614	<del>60</del> 61
TJW 31B	31	CLASSROOM	B	0616	61 62
TJW 31S	31	CLASSROOM	S	0616	62 63
✓ TJW 32.1S	32.1	LOCKER OFF. TOILET	S	0551	MORLEY OFFICE 63 64
✓ TJW 32.2SS	32.2	J/C	SS	0552	LOCKER ROOM 64 65
✓ TJW 33DF	33	LOCKER ROOM	DF	0546	65 66
← TJW 33.1S	33.1	LOCKER OFF. TOILET	S	0545	ZARZINSKI OFFICE 66 67
✓ TJW 34B	34	CLASSROOM	B	0620	68
TJW 34S	34	CLASSROOM	S	0620	<del>68</del> 69
TJW 35B	35	CLASSROOM	B	0616	69 70
TJW 35S	35	CLASSROOM	S	0616	70 71
TJW 37B	37	CLASSROOM	B	0614	71 72
TJW 37S	37	CLASSROOM	S	0614	72 73
✓ TJW 39SA	39	KITCHEN	S	0559	TRIPLE SINK - L 73 74
TJW 39SB	39	KITCHEN	S	0559	TRIPLE SINK - M 75
TJW 39SC	39	KITCHEN	S	0559	TRIPLE SINK - R 76

UECSD - THOMAS J. WATSON ELEMENTARY SCHOOL					
LEAD TESTING IN SCHOOL DRINKING WATER					
S = SINK, SS = SLOP SINK, DF = DRINKING FOUNTAIN, B = BUBBLER					
SAMPLE #	ROOM #	ROOM USE	FIXTURE	TIME	NOTES
TJW 39SD	39	KITCHEN	S	0601	TRIPLE SINK - L
TJW 39SE	39	KITCHEN	S	0602	DEEP SINGLE
TJW 39SF	39	KITCHEN	S	0603	WHITE SINGLE
TJW 39.1S	39.1	KITCHEN OFFICE	S	0604	
TJW 40DF	38	CAFETERIA	DF	0555	
TJW 40WB	38	CAFETERIA	WB	0555	WATER BOTTLE

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DEB 9/27/16 0940 21 NF