

# **ANALYTICAL LABORATORY REPORT**



February 24, 2010

Ed Stefanek  
Weaver Boos Consultants, LLC  
4085 Meghan Beeler Court  
South Bend, IN 46628

Work Order No.: ME1002212

RE: South Bend, Indiana  
Dear Ed Stefanek:

Microbac Laboratories, Inc. received 12 samples on 2/5/2010 1:00:00 PM for the analyses presented in the following report.

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 feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

A handwritten signature in black ink, appearing to read "R. Misiunas", written over the printed name of the sender.

Ronald J. Misiunas  
Client Services Manager

Enclosures



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**WORK ORDER SAMPLE SUMMARY****Date:** *Wednesday, February 24, 2010*

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**CLIENT:** Weaver Boos Consultants, LLC  
**Project:** South Bend, Indiana  
**Lab Order:** ME1002212

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<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
ME1002212-01A	TP - 1 @ 0 - 2'		2/4/2010 10:10:00 AM	2/5/2010
ME1002212-02A	TP - 1 @ 4 - 5'		2/4/2010 10:15:00 AM	2/5/2010
ME1002212-03A	TP - 2 @ 0 - 2'		2/4/2010 10:43:00 AM	2/5/2010
ME1002212-04A	TP - 2 @ 4 - 5'		2/4/2010 10:52:00 AM	2/5/2010
ME1002212-05A	TP - 3 @ 0 - 2'		2/4/2010 11:15:00 AM	2/5/2010
ME1002212-06A	TP - 3 @ 4 - 5'		2/4/2010 11:22:00 AM	2/5/2010
ME1002212-07A	TP - 4 @ 0 - 2'		2/4/2010 11:28:00 AM	2/5/2010
ME1002212-08A	TP - 4 @ 4 - 5'		2/4/2010 11:34:00 AM	2/5/2010
ME1002212-09A	TP - 5 @ 0 - 2'		2/4/2010 10:20:00 AM	2/5/2010
ME1002212-10A	TP - 5 @ 4 - 5'		2/4/2010 10:25:00 AM	2/5/2010
ME1002212-11A	TP - 6 @ 0 - 2'		2/4/2010 10:30:00 AM	2/5/2010
ME1002212-12A	TP - 6 @ 4 - 5'		2/4/2010 10:37:00 AM	2/5/2010



# ANALYTICAL RESULTS

Date: Wednesday, February 24, 2010

**Client:** Weaver Boos Consultants, LLC  
**Client Project:** South Bend, Indiana  
**Client Sample ID:** TP - 1 @ 0 - 2'  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME1002212-01  
**Collection Date:** 02/04/10 10:10  
**Date Received:** 02/05/10 13:00

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
<b>TOTAL METALS</b>							
		Method: <b>SW6010B</b>	Prep Date/Time: <b>02/08/10 08:30</b>		Analyst: <b>SAA</b>		
Arsenic	A	<b>14</b>	0.57		mg/Kg-dry	1	02/09/10 15:52
Lead	A	<b>480</b>	0.42		mg/Kg-dry	1	02/09/10 15:52
<b>TCLP METALS</b>							
		Method: <b>SW1311/6010B</b>	Prep Date/Time: <b>02/15/10 08:33</b>		Analyst: <b>SAA</b>		
Lead	A	<b>0.090</b>	0.0075		mg/L	1	02/15/10 19:01
<b>PAH BY GC/MS</b>							
		Method: <b>SW8270C</b>	Prep Date/Time: <b>02/08/10 08:14</b>		Analyst: <b>CLR</b>		
Acenaphthene	A	<b>0.26</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Acenaphthylene	A	<b>ND</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Anthracene	A	<b>0.58</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Benzo[a]anthracene	A	<b>2.9</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Benzo[a]pyrene	A	<b>2.0</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Benzo[b]fluoranthene	A	<b>3.9</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Benzo[g,h,i]perylene	A	<b>1.6</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Benzo[k]fluoranthene	A	<b>0.78</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Chrysene	A	<b>3.2</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Dibenz[a,h]anthracene	A	<b>0.31</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Fluoranthene	A	<b>6.4</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Fluorene	A	<b>0.22</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Indeno[1,2,3cd]pyrene	A	<b>1.3</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Naphthalene	A	<b>0.19</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Phenanthrene	A	<b>3.2</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Pyrene	A	<b>5.2</b>	0.18		mg/Kg-dry	1	02/09/10 16:46
Surr: Nitrobenzene-d5	S	86.4	14.2-125		%REC	1	02/09/10 16:46
Surr: 2-Fluorobiphenyl	S	86.9	21.6-112		%REC	1	02/09/10 16:46
Surr: Terphenyl-d14	S	99.5	10-139		%REC	1	02/09/10 16:46
<b>PERCENT MOISTURE</b>							
		Method: <b>2540B_18ED</b>	Prep Date/Time:		Analyst: <b>SMA</b>		
Percent Moisture	A	<b>15</b>	0.10		WT%	1	02/05/10 14:07



**ANALYTICAL RESULTS**

Date: Wednesday, February 24, 2010

**Client:** Weaver Boos Consultants, LLC  
**Client Project:** South Bend, Indiana  
**Client Sample ID:** TP - 1 @ 4 - 5'  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME1002212-02  
**Collection Date:** 02/04/10 10:15  
**Date Received:** 02/05/10 13:00

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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**TOTAL METALS** Method: **SW6010B** Prep Date/Time: **02/08/10 08:30** Analyst: **SAA**

Arsenic	A	2.7	0.49		mg/Kg-dry	1	02/09/10 15:57
Lead	A	3.2	0.37		mg/Kg-dry	1	02/09/10 15:57

**PAH BY GC/MS** Method: **SW8270C** Prep Date/Time: **02/08/10 08:14** Analyst: **CLR**

Acenaphthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Acenaphthylene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Benzo[a]anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Benzo[a]pyrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Benzo[b]fluoranthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Benzo[g,h,i]perylene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Benzo[k]fluoranthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Chrysene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Dibenz[a,h]anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Fluoranthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Fluorene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Indeno[1,2,3cd]pyrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Naphthalene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Phenanthrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Pyrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 12:50
Surr: Nitrobenzene-d5	S	55.3	14.2-125		%REC	1	02/09/10 12:50
Surr: 2-Fluorobiphenyl	S	73.0	21.6-112		%REC	1	02/09/10 12:50
Surr: Terphenyl-d14	S	90.4	10-139		%REC	1	02/09/10 12:50

**PERCENT MOISTURE** Method: **2540B\_18ED** Prep Date/Time: Analyst: **SMA**

Percent Moisture	A	5.3	0.10		WT%	1	02/05/10 14:07
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**ANALYTICAL RESULTS**

Date: *Wednesday, February 24, 2010*

<b>Client:</b>	Weaver Boos Consultants, LLC	<b>Work Order / ID:</b>	ME1002212-03
<b>Client Project:</b>	South Bend, Indiana	<b>Collection Date:</b>	02/04/10 10:43
<b>Client Sample ID:</b>	TP - 2 @ 0 - 2'	<b>Date Received:</b>	02/05/10 13:00
<b>Sample Description:</b>			
<b>Sample Matrix:</b>	Solid		

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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<b>TOTAL METALS</b>	Method: <b>SW6010B</b>	Prep Date/Time: <b>02/08/10 08:30</b>	Analyst: <b>SAA</b>			
Arsenic	A	<b>2.0</b>	0.43	mg/Kg-dry	1	02/09/10 16:09
Lead	A	<b>11</b>	0.32	mg/Kg-dry	1	02/09/10 16:09

<b>PAH BY GC/MS</b>	Method: <b>SW8270C</b>	Prep Date/Time: <b>02/08/10 08:14</b>	Analyst: <b>CLR</b>			
Acenaphthene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Acenaphthylene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Anthracene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Benzo[a]anthracene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Benzo[a]pyrene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Benzo[b]fluoranthene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Benzo[g,h,i]perylene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Benzo[k]fluoranthene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Chrysene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Dibenz[a,h]anthracene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Fluoranthene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Fluorene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Indeno[1,2,3cd]pyrene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Naphthalene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Phenanthrene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Pyrene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 15:13
Surr: Nitrobenzene-d5	S	61.1	14.2-125	%REC	1	02/09/10 15:13
Surr: 2-Fluorobiphenyl	S	87.0	21.6-112	%REC	1	02/09/10 15:13
Surr: Terphenyl-d14	S	102	10-139	%REC	1	02/09/10 15:13

<b>PERCENT MOISTURE</b>	Method: <b>2540B_18ED</b>	Prep Date/Time:	Analyst: <b>SMA</b>			
Percent Moisture	A	<b>4.7</b>	0.10	WT%	1	02/05/10 14:07



**ANALYTICAL RESULTS**

Date: Wednesday, February 24, 2010

**Client:** Weaver Boos Consultants, LLC  
**Client Project:** South Bend, Indiana  
**Client Sample ID:** TP - 2 @ 4 - 5'  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME1002212-04  
**Collection Date:** 02/04/10 10:52  
**Date Received:** 02/05/10 13:00

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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**TOTAL METALS** Method: **SW6010B** Prep Date/Time: **02/08/10 08:30** Analyst: **SAA**

Arsenic	A	2.0	0.48		mg/Kg-dry	1	02/09/10 16:15
Lead	A	3.3	0.36		mg/Kg-dry	1	02/09/10 16:15

**PAH BY GC/MS** Method: **SW8270C** Prep Date/Time: **02/08/10 08:14** Analyst: **CLR**

Acenaphthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Acenaphthylene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Benzo[a]anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Benzo[a]pyrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Benzo[b]fluoranthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Benzo[g,h,i]perylene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Benzo[k]fluoranthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Chrysene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Dibenz[a,h]anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Fluoranthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Fluorene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Indeno[1,2,3cd]pyrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Naphthalene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Phenanthrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Pyrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:02
Surr: Nitrobenzene-d5	S	74.3	14.2-125		%REC	1	02/09/10 14:02
Surr: 2-Fluorobiphenyl	S	79.8	21.6-112		%REC	1	02/09/10 14:02
Surr: Terphenyl-d14	S	100	10-139		%REC	1	02/09/10 14:02

**PERCENT MOISTURE** Method: **2540B\_18ED** Prep Date/Time: Analyst: **SMA**

Percent Moisture	A	5.2	0.10		WT%	1	02/05/10 14:07
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**ANALYTICAL RESULTS**

Date: Wednesday, February 24, 2010

**Client:** Weaver Boos Consultants, LLC  
**Client Project:** South Bend, Indiana  
**Client Sample ID:** TP - 3 @ 0 - 2'  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME1002212-05  
**Collection Date:** 02/04/10 11:15  
**Date Received:** 02/05/10 13:00

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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**TOTAL METALS** Method: **SW6010B** Prep Date/Time: **02/08/10 08:30** Analyst: **SAA**

Arsenic	A	9.9	0.53		mg/Kg-dry	1	02/09/10 16:20
Lead	A	79	0.40		mg/Kg-dry	1	02/09/10 16:20

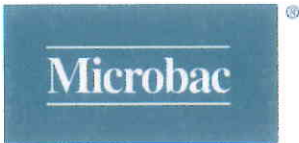
**PAH BY GC/MS** Method: **SW8270C** Prep Date/Time: **02/08/10 08:14** Analyst: **CLR**

Acenaphthene	A	0.63	0.16		mg/Kg-dry	1	02/09/10 17:09
Acenaphthylene	A	ND	0.16		mg/Kg-dry	1	02/09/10 17:09
Anthracene	A	1.7	0.16		mg/Kg-dry	1	02/09/10 17:09
Benzo[a]anthracene	A	8.1	0.16		mg/Kg-dry	1	02/09/10 17:09
Benzo[a]pyrene	A	5.8	0.16		mg/Kg-dry	1	02/09/10 17:09
Benzo[b]fluoranthene	A	9.5	0.16		mg/Kg-dry	1	02/09/10 17:09
Benzo[g,h,i]perylene	A	4.2	0.16		mg/Kg-dry	1	02/09/10 17:09
Benzo[k]fluoranthene	A	2.3	0.16		mg/Kg-dry	1	02/09/10 17:09
Chrysene	A	7.4	0.16		mg/Kg-dry	1	02/09/10 17:09
Dibenz[a,h]anthracene	A	0.80	0.16		mg/Kg-dry	1	02/09/10 17:09
Fluoranthene	A	17	0.16		mg/Kg-dry	1	02/09/10 17:09
Fluorene	A	0.71	0.16		mg/Kg-dry	1	02/09/10 17:09
Indeno[1,2,3cd]pyrene	A	3.5	0.16		mg/Kg-dry	1	02/09/10 17:09
Naphthalene	A	ND	0.16		mg/Kg-dry	1	02/09/10 17:09
Phenanthrene	A	8.0	0.16		mg/Kg-dry	1	02/09/10 17:09
Pyrene	A	14	0.16		mg/Kg-dry	1	02/09/10 17:09
Surr: Nitrobenzene-d5	S	86.1	14.2-125		%REC	1	02/09/10 17:09
Surr: 2-Fluorobiphenyl	S	78.1	21.6-112		%REC	1	02/09/10 17:09
Surr: Terphenyl-d14	S	97.1	10-139		%REC	1	02/09/10 17:09

**PERCENT MOISTURE** Method: **2540B\_18ED** Prep Date/Time: Analyst: **SMA**

Percent Moisture	A	9.1	0.10		WT%	1	02/05/10 14:07
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**ANALYTICAL RESULTS**

Date: Wednesday, February 24, 2010

**Client:** Weaver Boos Consultants, LLC  
**Client Project:** South Bend, Indiana  
**Client Sample ID:** TP - 3 @ 4 - 5'  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME1002212-06  
**Collection Date:** 02/04/10 11:22  
**Date Received:** 02/05/10 13:00

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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**TOTAL METALS** Method: **SW6010B** Prep Date/Time: **02/08/10 08:30** Analyst: **SAA**

Arsenic	A	<b>11</b>	0.46		mg/Kg-dry	1	02/09/10 16:26
Lead	A	<b>250</b>	0.35		mg/Kg-dry	1	02/09/10 16:26

**PAH BY GC/MS** Method: **SW8270C** Prep Date/Time: **02/08/10 08:14** Analyst: **CLR**

Acenaphthene	A	<b>0.32</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Acenaphthylene	A	<b>ND</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Anthracene	A	<b>0.79</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Benzo[a]anthracene	A	<b>3.1</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Benzo[a]pyrene	A	<b>2.6</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Benzo[b]fluoranthene	A	<b>4.0</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Benzo[g,h,i]perylene	A	<b>1.6</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Benzo[k]fluoranthene	A	<b>1.3</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Chrysene	A	<b>3.2</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Dibenz[a,h]anthracene	A	<b>0.34</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Fluoranthene	A	<b>8.8</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Fluorene	A	<b>0.35</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Indeno[1,2,3cd]pyrene	A	<b>1.3</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Naphthalene	A	<b>ND</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Phenanthrene	A	<b>4.0</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Pyrene	A	<b>6.3</b>	0.17		mg/Kg-dry	1	02/09/10 17:33
Surr: Nitrobenzene-d5	S	91.2	14.2-125		%REC	1	02/09/10 17:33
Surr: 2-Fluorobiphenyl	S	94.6	21.6-112		%REC	1	02/09/10 17:33
Surr: Terphenyl-d14	S	116	10-139		%REC	1	02/09/10 17:33

**PERCENT MOISTURE** Method: **2540B\_18ED** Prep Date/Time: Analyst: **SMA**

Percent Moisture	A	<b>11</b>	0.10		WT%	1	02/05/10 14:07
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**ANALYTICAL RESULTS**

Date: Wednesday, February 24, 2010

**Client:** Weaver Boos Consultants, LLC  
**Client Project:** South Bend, Indiana  
**Client Sample ID:** TP - 4 @ 0 - 2'  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME1002212-07  
**Collection Date:** 02/04/10 11:28  
**Date Received:** 02/05/10 13:00

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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**TOTAL METALS** Method: **SW6010B** Prep Date/Time: **02/08/10 08:30** Analyst: **SAA**

Arsenic	A	7.2	0.53		mg/Kg-dry	1	02/09/10 16:32
Lead	A	410	0.40		mg/Kg-dry	1	02/09/10 16:32

**PAH BY GC/MS** Method: **SW8270C** Prep Date/Time: **02/08/10 08:14** Analyst: **CLR**

Acenaphthene	A	0.21	0.17		mg/Kg-dry	1	02/09/10 15:36
Acenaphthylene	A	ND	0.17		mg/Kg-dry	1	02/09/10 15:36
Anthracene	A	0.58	0.17		mg/Kg-dry	1	02/09/10 15:36
Benzo[a]anthracene	A	2.4	0.17		mg/Kg-dry	1	02/09/10 15:36
Benzo[a]pyrene	A	1.5	0.17		mg/Kg-dry	1	02/09/10 15:36
Benzo[b]fluoranthene	A	2.0	0.17		mg/Kg-dry	1	02/09/10 15:36
Benzo[g,h,i]perylene	A	0.91	0.17		mg/Kg-dry	1	02/09/10 15:36
Benzo[k]fluoranthene	A	0.89	0.17		mg/Kg-dry	1	02/09/10 15:36
Chrysene	A	2.0	0.17		mg/Kg-dry	1	02/09/10 15:36
Dibenz[a,h]anthracene	A	0.18	0.17		mg/Kg-dry	1	02/09/10 15:36
Fluoranthene	A	4.9	0.17		mg/Kg-dry	1	02/09/10 15:36
Fluorene	A	0.20	0.17		mg/Kg-dry	1	02/09/10 15:36
Indeno[1,2,3cd]pyrene	A	0.72	0.17		mg/Kg-dry	1	02/09/10 15:36
Naphthalene	A	ND	0.17		mg/Kg-dry	1	02/09/10 15:36
Phenanthrene	A	2.7	0.17		mg/Kg-dry	1	02/09/10 15:36
Pyrene	A	4.0	0.17		mg/Kg-dry	1	02/09/10 15:36
Surr: Nitrobenzene-d5	S	66.0	14.2-125		%REC	1	02/09/10 15:36
Surr: 2-Fluorobiphenyl	S	74.3	21.6-112		%REC	1	02/09/10 15:36
Surr: Terphenyl-d14	S	84.4	10-139		%REC	1	02/09/10 15:36

**PERCENT MOISTURE** Method: **2540B\_18ED** Prep Date/Time: Analyst: **SMA**

Percent Moisture	A	10	0.10		WT%	1	02/05/10 14:07
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# ANALYTICAL RESULTS

Date: Wednesday, February 24, 2010

**Client:** Weaver Boos Consultants, LLC  
**Client Project:** South Bend, Indiana  
**Client Sample ID:** TP - 4 @ 4 - 5'  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME1002212-08  
**Collection Date:** 02/04/10 11:34  
**Date Received:** 02/05/10 13:00

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
<b>TOTAL METALS</b>							
		Method: <b>SW6010B</b>	Prep Date/Time: <b>02/08/10 08:30</b>		Analyst: <b>SAA</b>		
Arsenic	A	<b>19</b>	0.51		mg/Kg-dry	1	02/09/10 16:59
Lead	A	<b>420</b>	0.38		mg/Kg-dry	1	02/09/10 16:59
<b>TCLP METALS</b>							
		Method: <b>SW1311/6010B</b>	Prep Date/Time: <b>02/24/10 08:20</b>		Analyst: <b>SAA</b>		
Arsenic	A	<b>ND</b>	0.010		mg/L	1	02/24/10 14:02
<b>PAH BY GC/MS</b>							
		Method: <b>SW8270C</b>	Prep Date/Time: <b>02/08/10 08:14</b>		Analyst: <b>CLR</b>		
Acenaphthene	A	<b>0.33</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Acenaphthylene	A	<b>ND</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Anthracene	A	<b>0.85</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Benzo[a]anthracene	A	<b>2.6</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Benzo[a]pyrene	A	<b>1.9</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Benzo[b]fluoranthene	A	<b>2.5</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Benzo[g,h,i]perylene	A	<b>1.2</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Benzo[k]fluoranthene	A	<b>1.4</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Chrysene	A	<b>2.7</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Dibenz[a,h]anthracene	A	<b>0.16</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Fluoranthene	A	<b>6.4</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Fluorene	A	<b>0.29</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Indeno[1,2,3cd]pyrene	A	<b>0.97</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Naphthalene	A	<b>ND</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Phenanthrene	A	<b>3.9</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Pyrene	A	<b>4.9</b>	0.16		mg/Kg-dry	1	02/09/10 16:00
Surr: Nitrobenzene-d5	S	69.3	14.2-125		%REC	1	02/09/10 16:00
Surr: 2-Fluorobiphenyl	S	77.3	21.6-112		%REC	1	02/09/10 16:00
Surr: Terphenyl-d14	S	98.8	10-139		%REC	1	02/09/10 16:00
<b>PERCENT MOISTURE</b>							
		Method: <b>2540B_18ED</b>	Prep Date/Time:		Analyst: <b>SMA</b>		
Percent Moisture	A	<b>5.6</b>	0.10		WT%	1	02/05/10 14:07



**ANALYTICAL RESULTS**

Date: Wednesday, February 24, 2010

**Client:** Weaver Boos Consultants, LLC  
**Client Project:** South Bend, Indiana  
**Client Sample ID:** TP - 5 @ 0 - 2'  
**Sample Description:**  
**Sample Matrix:** Solid  
**Work Order / ID:** ME1002212-09  
**Collection Date:** 02/04/10 10:20  
**Date Received:** 02/05/10 13:00

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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**TOTAL METALS** Method: **SW6010B** Prep Date/Time: **02/08/10 08:30** Analyst: **SAA**

Arsenic	A	3.6	0.55		mg/Kg-dry	1	02/09/10 17:04
Lead	A	9.7	0.41		mg/Kg-dry	1	02/09/10 17:04

**PAH BY GC/MS** Method: **SW8270C** Prep Date/Time: **02/08/10 08:14** Analyst: **CLR**

Acenaphthene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Acenaphthylene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Anthracene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Benzo[a]anthracene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Benzo[a]pyrene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Benzo[b]fluoranthene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Benzo[g,h,i]perylene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Benzo[k]fluoranthene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Chrysene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Dibenz[a,h]anthracene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Fluoranthene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Fluorene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Indeno[1,2,3cd]pyrene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Naphthalene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Phenanthrene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Pyrene	A	ND	0.17		mg/Kg-dry	1	02/09/10 14:26
Surr: Nitrobenzene-d5	S	59.8	14.2-125		%REC	1	02/09/10 14:26
Surr: 2-Fluorobiphenyl	S	73.3	21.6-112		%REC	1	02/09/10 14:26
Surr: Terphenyl-d14	S	75.9	10-139		%REC	1	02/09/10 14:26

**PERCENT MOISTURE** Method: **2540B\_18ED** Prep Date/Time: Analyst: **SMA**

Percent Moisture	A	14	0.10		WT%	1	02/05/10 14:07
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**ANALYTICAL RESULTS**

Date: Wednesday, February 24, 2010

**Client:** Weaver Boos Consultants, LLC  
**Client Project:** South Bend, Indiana  
**Client Sample ID:** TP - 5 @ 4 - 5'  
**Sample Description:**  
**Sample Matrix:** Solid  
**Work Order / ID:** ME1002212-10  
**Collection Date:** 02/04/10 10:25  
**Date Received:** 02/05/10 13:00

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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**TOTAL METALS** Method: **SW6010B** Prep Date/Time: **02/08/10 08:30** Analyst: **SAA**

Arsenic	A	2.7	0.48		mg/Kg-dry	1	02/09/10 17:10
Lead	A	5.0	0.36		mg/Kg-dry	1	02/09/10 17:10

**PAH BY GC/MS** Method: **SW8270C** Prep Date/Time: **02/08/10 08:14** Analyst: **CLR**

Acenaphthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Acenaphthylene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Benzo[a]anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Benzo[a]pyrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Benzo[b]fluoranthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Benzo[g,h,i]perylene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Benzo[k]fluoranthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Chrysene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Dibenz[a,h]anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Fluoranthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Fluorene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Indeno[1,2,3cd]pyrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Naphthalene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Phenanthrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Pyrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 14:49
Surr: Nitrobenzene-d5	S	54.8	14.2-125		%REC	1	02/09/10 14:49
Surr: 2-Fluorobiphenyl	S	72.0	21.6-112		%REC	1	02/09/10 14:49
Surr: Terphenyl-d14	S	91.4	10-139		%REC	1	02/09/10 14:49

**PERCENT MOISTURE** Method: **2540B\_18ED** Prep Date/Time: Analyst: **SMA**

Percent Moisture	A	6.6	0.10		WT%	1	02/05/10 14:07
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**ANALYTICAL RESULTS**

Date: Wednesday, February 24, 2010

**Client:** Weaver Boos Consultants, LLC  
**Client Project:** South Bend, Indiana  
**Client Sample ID:** TP - 6 @ 0 - 2'  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME1002212-11  
**Collection Date:** 02/04/10 10:30  
**Date Received:** 02/05/10 13:00

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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**TOTAL METALS** Method: **SW6010B** Prep Date/Time: **02/08/10 08:30** Analyst: **SAA**

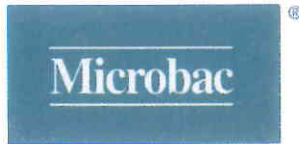
Arsenic	A	8.5	0.52		mg/Kg-dry	1	02/09/10 17:15
Lead	A	240	0.39		mg/Kg-dry	1	02/09/10 17:15

**PAH BY GC/MS** Method: **SW8270C** Prep Date/Time: **02/08/10 08:14** Analyst: **CLR**

Acenaphthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 16:23
Acenaphthylene	A	ND	0.16		mg/Kg-dry	1	02/09/10 16:23
Anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 16:23
Benzo[a]anthracene	A	0.26	0.16		mg/Kg-dry	1	02/09/10 16:23
Benzo[a]pyrene	A	0.16	0.16		mg/Kg-dry	1	02/09/10 16:23
Benzo[b]fluoranthene	A	0.21	0.16		mg/Kg-dry	1	02/09/10 16:23
Benzo[g,h,i]perylene	A	ND	0.16		mg/Kg-dry	1	02/09/10 16:23
Benzo[k]fluoranthene	A	ND	0.16		mg/Kg-dry	1	02/09/10 16:23
Chrysene	A	0.34	0.16		mg/Kg-dry	1	02/09/10 16:23
Dibenz[a,h]anthracene	A	ND	0.16		mg/Kg-dry	1	02/09/10 16:23
Fluoranthene	A	0.28	0.16		mg/Kg-dry	1	02/09/10 16:23
Fluorene	A	ND	0.16		mg/Kg-dry	1	02/09/10 16:23
Indeno[1,2,3cd]pyrene	A	ND	0.16		mg/Kg-dry	1	02/09/10 16:23
Naphthalene	A	ND	0.16		mg/Kg-dry	1	02/09/10 16:23
Phenanthrene	A	0.20	0.16		mg/Kg-dry	1	02/09/10 16:23
Pyrene	A	0.32	0.16		mg/Kg-dry	1	02/09/10 16:23
Surr: Nitrobenzene-d5	S	83.6	14.2-125		%REC	1	02/09/10 16:23
Surr: 2-Fluorobiphenyl	S	84.0	21.6-112		%REC	1	02/09/10 16:23
Surr: Terphenyl-d14	S	109	10-139		%REC	1	02/09/10 16:23

**PERCENT MOISTURE** Method: **2540B\_18ED** Prep Date/Time: Analyst: **SMA**

Percent Moisture	A	8.8	0.10		WT%	1	02/05/10 14:07
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**ANALYTICAL RESULTS**

Date: Wednesday, February 24, 2010

<b>Client:</b>	Weaver Boos Consultants, LLC	<b>Work Order / ID:</b>	ME1002212-12
<b>Client Project:</b>	South Bend, Indiana	<b>Collection Date:</b>	02/04/10 10:37
<b>Client Sample ID:</b>	TP - 6 @ 4 - 5'	<b>Date Received:</b>	02/05/10 13:00
<b>Sample Description:</b>			
<b>Sample Matrix:</b>	Solid		

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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<b>TOTAL METALS</b>	Method: <b>SW6010B</b>	Prep Date/Time: <b>02/08/10 08:30</b>	Analyst: <b>SAA</b>			
Arsenic	A	<b>12</b>	0.52	mg/Kg-dry	1	02/09/10 17:21
Lead	A	<b>150</b>	0.39	mg/Kg-dry	1	02/09/10 17:21

<b>PAH BY GC/MS</b>	Method: <b>SW8270C</b>	Prep Date/Time: <b>02/08/10 08:14</b>	Analyst: <b>CLR</b>			
Acenaphthene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Acenaphthylene	A	<b>0.35</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Anthracene	A	<b>0.53</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Benzo[a]anthracene	A	<b>2.7</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Benzo[a]pyrene	A	<b>2.2</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Benzo[b]fluoranthene	A	<b>3.3</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Benzo[g,h,i]perylene	A	<b>1.6</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Benzo[k]fluoranthene	A	<b>1.3</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Chrysene	A	<b>2.8</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Dibenz[a,h]anthracene	A	<b>0.34</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Fluoranthene	A	<b>4.9</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Fluorene	A	<b>0.26</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Indeno[1,2,3cd]pyrene	A	<b>1.4</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Naphthalene	A	<b>ND</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Phenanthrene	A	<b>2.6</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Pyrene	A	<b>5.1</b>	0.16	mg/Kg-dry	1	02/09/10 17:56
Surr: Nitrobenzene-d5	S	83.7	14.2-125	%REC	1	02/09/10 17:56
Surr: 2-Fluorobiphenyl	S	88.8	21.6-112	%REC	1	02/09/10 17:56
Surr: Terphenyl-d14	S	129	10-139	%REC	1	02/09/10 17:56

<b>PERCENT MOISTURE</b>	Method: <b>2540B_18ED</b>	Prep Date/Time:	Analyst: <b>SMA</b>			
Percent Moisture	A	<b>8.8</b>	0.10	WT%	1	02/05/10 14:07



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

NA	=	Not Analyzed	N/A	=	Not Applicable	cfu	=	Colony Forming Unit
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)	ng/L	=	Nanograms per Liter (ppt)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)			
U	=	Undetected						
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)						
j	=	Analyte concentration detected between 1/2 PQL and PQL (for TIC analytes only)						
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL						
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL						
D	=	Surrogate recoveries are not calculated due to sample dilution						
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)						
E	=	Value above quantitation range						
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time						
I	=	Matrix Interference						
R	=	RPD outside accepted recovery limits						
S	=	Spike recovery outside recovery limits						
Surr	=	Surrogate						
DF	=	Dilution Factor	RL	=	Reporting Limit	ST	=	Sample Type
						MDL	=	Method Detection Limit

**SAMPLE TYPES**

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

**QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

**CERTIFICATIONS**

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.

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #1755266)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-03)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-8)
- Kentucky DEP for the chemical analysis of drinking water (lab #90147)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #75)
- New York SDH for the chemical analysis of air and emissions (lab #11909)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Tennessee DEC for the chemical analysis of drinking water (lab #04017)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

**MICROBAC LOCATIONS, SERVICE CENTERS (SC) AND SATELLITE OFFICES (Sat)**

Baltimore Division - Baltimore, MD	Kentucky Division - Louisville, KY	Ohio Valley Division - Marietta, OH
Camp Hill Division - Camp Hill, PA	Kentucky Division (Sat) - Evansville, IN	Pittsburgh Division - Warrendale, PA
Camp Hill Division (SC) - Pittston, PA	Kentucky Division (Sat) - Lexington, KY	Richmond Division - Richmond, VA
Chicagoland Division - Merrillville, IN	Kentucky Division (Sat) - Paducah, KY	South Carolina Division - New Ellenton, SC
Chicagoland Division (SC) - Indianapolis, IN	Knoxville Division - Maryville, TN	South Jersey Division - Laurel Springs, NJ
Southern California Division - Corona, CA	Massachusetts Division - Worcester, MA	Southern Headquarters - Poquoson, VA
Erie Division - Erie, PA	Microbac Corporate Office - Pittsburgh, PA	Southern Testing Division - Wilson, NC
Fayetteville Division - Fayetteville, NC	Microbac NY - Cortland Office - Cortland, NY	Southern Testing Division (Sat) - Greensboro, NC
Hauser Division - Boulder, CO	Microbac NY - Waverly Office - Waverly, NY	Venice Division - Venice, FL





**COOLER INSPECTION**

**Date:** Wednesday, February 24, 2010

Client Name: **Weaver Boos Consultants, LL**  
 Work Order Number **ME1002212**  
 Checklist completed by DP | 2/5/2010 1:41:05 PM

Date / Time Received: **2/5/2010 1:00:00 PM**  
 Received by: DP  
 Reviewed by DPP | 2/5/2010 3:07:54 PM

Carrier name: Microbac

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

If No, adjusted by: \_\_\_\_\_ Date/Time \_\_\_\_\_

- Chain of custody included the requested analyses? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Samples received on ice? Yes  No

Container/Temp Blank temperatures Cooler Temp  
 1 4 °C

VOA vials for aqueous samples have zero headspace? No VOA vials submitted  Yes  No

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

General Comments:

Sample ID	Client Sample ID	Comments
ME1002212-01A	TP - 1 @ 0 - 2'	Report in dry weight
ME1002212-02A	TP - 1 @ 4 - 5'	Report in dry weight
ME1002212-03A	TP - 2 @ 0 - 2'	Report in dry weight
ME1002212-04A	TP - 2 @ 4 - 5'	Report in dry weight
ME1002212-05A	TP - 3 @ 0 - 2'	Report in dry weight
ME1002212-06A	TP - 3 @ 4 - 5'	Report in dry weight
ME1002212-07A	TP - 4 @ 0 - 2'	Report in dry weight
ME1002212-08A	TP - 4 @ 4 - 5'	Report in dry weight
ME1002212-09A	TP - 5 @ 0 - 2'	Report in dry weight
ME1002212-10A	TP - 5 @ 4 - 5'	Report in dry weight
ME1002212-11A	TP - 6 @ 0 - 2'	Report in dry weight
ME1002212-12A	TP - 6 @ 4 - 5'	Report in dry weight

## Ron Misiunas

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**From:** Stefanek, Ed [estefanek@weaverboos.com]  
**Sent:** Friday, February 12, 2010 12:26 PM  
**To:** Ron Misiunas; Slough, Jodi  
**Subject:** RE: ME1002212 - South Bend, Indiana

Ron,

I also need a TCLP for the highest lead, which I believe is TP-1 at 0-2. Can you put that on order as well?

Ed

Edward B. Stefanek | Sr. Project Manager  
**Weaver Boos Consultants**  
4085 Meghan Beeler Court | South Bend, IN 46628  
t. 574-271-3447 | f. 574-271-3343 | m. 574-302-0614  
[www.weaverboos.com](http://www.weaverboos.com) | [estefanek@weaverboos.com](mailto:estefanek@weaverboos.com)

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**From:** Ron Misiunas [mailto:rmisiunas@microbac.com]  
**Sent:** Friday, February 12, 2010 12:02 PM  
**To:** Stefanek, Ed; Slough, Jodi  
**Subject:** ME1002212 - South Bend, Indiana

Hello Ed & Jodi –

I have attached the results for the samples we rec'd on 2/5. Sample 1002212-08 (TP-4@4-5') had the highest total As value (19 mg/Kg) of the bunch. Per the COC, I am having this sample analyzed for TCLP As. Results will be available next week.

Thanks and have a great day.

Ron

Ronald J. Misiunas  
**Microbac Laboratories, Inc.**  
250 West 84th Drive  
Merrillville, IN 46410  
office: 219-769-8378  
fax: 219-769-1664  
mobile: 219-746-4677  
email: [rmisiunas@microbac.com](mailto:rmisiunas@microbac.com)

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Food Safety: [http://www.microbac.com/food\\_micro.html](http://www.microbac.com/food_micro.html) • Retail Inspection: <http://www.microbac.com/foodstoreinsp.html>

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**Chain of Custody Record**  
**Number 81027**

Instructions on back

Samples Submitted to:  
 250 West 84th Drive  
 Merrillville, IN 46410  
 Tel: 219-769-8378  
 Fax: 219-769-1664

5713 West 85th Street  
 Indianapolis, IN 46278  
 Tel: 317-872-1375  
 Fax: 317-872-1379

Microbac

Client Name: Urban Boos Consultants  
 Address: 4085 Meghan Beele Ct.  
 City, State, Zip: South Bend IN  
 Contact: Edward Stefanek  
 Telephone #: 574.271.3447

Project: City of South Bend  
 Location: Prairie Ave South Bend  
 PO #: 058-375-01  
 Compliance Monitoring?  Yes  No  
 (1) Agency/Program

Report Type:  Results Only  Level II  
 Level III  Level III CLP-like  
 Level IV  Level IV CLP-like  
 EDD

Turnaround Time: Routine (7 working days)  
 RUSH\* (notify lab)  
 (needed by)

Sampler Signature: [Signature] Sampler Phone #: 574.982.5280  
 e-mail (address): estefanek@waterboos.com

\* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)  
 \*\* Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses Preservative Types**	For Lab Use Only	
									Lead	PAHs
TP-1 @ 0-2'	S	✓			2/4/10	10:10	2	U	✓	1002 212
TP-1 @ 4-5'	S	✓			2/4/10	10:15	2	U	✓	01A
TP-2 @ 0-2'	S	✓			2/4/10	10:43	2	U	✓	02A
TP-2 @ 4-5'	S	✓			2/4/10	10:58	2	U	✓	03A
TP-3 @ 0-2'	S	✓			2/4/10	11:15	2	U	✓	04A
TP-3 @ 4-5'	S	✓			2/4/10	11:22	2	U	✓	05A
TP-4 @ 0-2'	S	✓			2/4/10	11:28	2	U	✓	06A
TP-4 @ 4-5'	S	✓			2/4/10	11:34	2	U	✓	07A
TP-5 @ 0-2'	S	✓			2/4/10	10:20	2	U	✓	08A
TP-5 @ 4-5'	S	✓			2/4/10	10:25	2	U	✓	09A
TP-6 @ 0-2'	S	✓			2/4/10	10:30	2	U	✓	10A
									✓	11A

Possible Hazard Identification:  Hazardous  Non-Hazardous  Radioactive  Sample Disposition:  Dispose as appropriate  Return  Archive

Relinquished By (signature): [Signature] Date/Time: 2/5/10, 10:25  
 Relinquished By (signature): [Signature] Date/Time: 2/5 13:00  
 Relinquished By (signature): [Signature] Date/Time: 2/5/10

Received By (signature): [Signature] Date/Time: 2/5 10:25  
 Received By (signature): [Signature] Date/Time: 2/5/10  
 Received for Lab By (signature): [Signature] Date/Time: 2/5/10

Sample temperature upon receipt in degrees C = 4°

