



Microbac Laboratories, Inc.

Baltimore Division

2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800

Fax: 410-633-6553

www.microbac.com

COVER LETTER

Holly Penn
Holly Penn
2253 Daniel Rd
Ellicott City, MD 21043
RE: Drinking water

June 08, 2012
Report No.: 12F0091

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 06/04/2012 15:35.

The enclosed results were obtained from and 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 has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

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

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:

- This Cover Page
- Sample Summary
- Test Results
- Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

6/8/2012

Final report reviewed by:

Barbara Schroyer/Project Manager

Report issue date

All samples received in proper condition and results conform to ISO 17025 and TNI NELAC standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact Mark Horan, Managing Director, at 410-633-1800. You may also contact Sean Hyde, Chief



Microbac Laboratories, Inc.

Baltimore Division

2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800

Fax: 410-633-6553

www.microbac.com

CERTIFICATE OF ANALYSIS

Holly Penn
2253 Daniel Rd
Ellicott City, MD 21043

Project: Drinking water
Project Number: Drinking water
Project Manager: Holly Penn

Report: 12F0091
Reported: 06/08/2012 16:09

SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Type	Date Sampled	Date Received
Well	12F0091-01	Drinking Water	Grab	06/04/2012 10:10	06/04/2012 15:35

Microbac Laboratories, Inc., Baltimore Division

Barbara Schroyer, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Original Lab Report

Page 2 of 7



Microbac Laboratories, Inc.

Baltimore Division

2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800

Fax: 410-633-6553

www.microbac.com

CERTIFICATE OF ANALYSIS

Holly Penn
2253 Daniel Rd
Ellicott City, MD 21043

Project: Drinking water
Project Number: Drinking water
Project Manager: Holly Penn

Report: 12F0091
Reported: 06/08/2012 16:09

Well

12F0091-01 (Drinking Water) Sampled: 06/04/2012 10:10; Type: Grab

Analyte	Result	Reporting		Units	Prepared	Analyzed	Analyst	Method	Notes
		Limit							

Microbac Laboratories, Inc., Baltimore Division

Wet Chemistry

Nitrate as N	ND	0.10	mg/L	060512 1133	060512 1402	VAS	EPA 300.0
Total Dissolved Solids	180	10	mg/L	060712 1300	060712 1301	LCR	SM (20) 2540 C

Microbiology

Coliform, Total	NEGATIVE		P/A	060412 1653	060512 1640	DML	SM(20)9223B Colilert
-----------------	----------	--	-----	-------------	-------------	-----	----------------------

Field Sampling/Testing

Chlorine Residual (Total)	ND	0.030	mg/L		060412 1010	JJD	SM (20) 4500 Cl G
pH	7.30	0.00	pH Units		060412 1010	JJD	SM (20) 4500-H B
Temperature	15.0	0.00	°C		060412 1010	JJD	SM (20) 2550 B

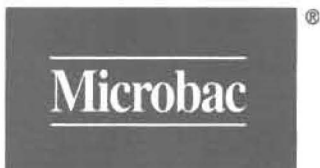
Microbac Laboratories, Inc., Baltimore Division

Barbara Schroyer, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Original Lab Report

Page 3 of 7



Microbac Laboratories, Inc.

Baltimore Division

2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800

Fax: 410-633-6553

www.microbac.com

CERTIFICATE OF ANALYSIS

Holly Penn
2253 Daniel Rd
Ellicott City, MD 21043

Project: Drinking water
Project Number: Drinking water
Project Manager: Holly Penn

Report: 12F0091
Reported: 06/08/2012 16:09

Certifications

Below is a list of certifications maintained by Microbac Laboratories, Inc. 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. A complete list of individual analytes pursuant to each certification below is available upon request.

Lab #	Description	Certification Number	Expires
Microbac Laboratories, Inc., Baltimore Division			
A2LA1	A2LA (Biology)	410.02	04/30/2013
A2LA2	A2LA (Environmental)	410.01	04/30/2013
VA-R	Commonwealth of Virginia (NELAC)	460022	06/14/2012
VA-B	Commonwealth of Virginia (NELAC)	460170-915	06/14/2012
CPSC	CPSC Testing of Childrens Products and Jewelry	1115	04/30/2013
Pb	Environmental Lead (ELLAP)	410.01	04/30/2013
NJ	New Jersey	NLC120001	06/30/2012
MD	State of Maryland	109	06/30/2012
PA	State of Pennsylvania (NELAC)	68-00339	08/31/2012
USDA	US Department of Agriculture	P330-09-00021	02/19/2012
WV	West Virginia	054	08/31/2012

Microbac Laboratories, Inc., Baltimore Division

Barbara Schroyer, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Original Lab Report

Page 4 of 7



Microbac Laboratories, Inc.
Baltimore Division
2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800
Fax: 410-633-6553
www.microbac.com

CERTIFICATE OF ANALYSIS

Holly Penn
2253 Daniel Rd
Ellicott City, MD 21043

Project: Drinking water
Project Number: Drinking water
Project Manager: Holly Penn

Report: 12F0091
Reported: 06/08/2012 16:09

Notes and Definitions

Z1	NEGATIVE
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference



Microbac Laboratories, Inc.
Baltimore Division
2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800
Fax: 410-633-6553
www.microbac.com

Cooler Receipt Log

Cooler ID: Default Cooler

Cooler Temp: 2.90 °C

Work Order: 12F0091

Custody Seals Intact: Yes
Containers Intact: Yes
Received On Ice: Yes
Radiation Scan Acceptable: Yes
COC Present: Yes

COC/Containers Agree: Yes
Correct Preservation: Yes
Correct Number of Containers Received: Yes
Sufficient Sample Volume for Testing: Yes
Samples Received in Proper Condition: Yes

Comments:



Microbac Laboratories, Inc.
Baltimore Division
2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800
Fax: 410-633-6553
www.microbac.com

CHAIN OF CUSTODY



Client: **Holly Penn**
Project: **Drinking water**
Project Number: **Drinking water**

12F0091

Report To:
Holly Penn
2253 Daniel Rd
Ellicott City, MD 21043
Phone: (410) 608-6394

Invoice To:
Holly Penn
2253 Daniel Rd
Ellicott City, MD 21043
Phone: (410) 608-6394

Bottle order:
Prepared by:
Date Scheduled: Mon, 04 Jun. 12
See notes on last page

Client Sample ID:		Sample Name <u>well</u>	
Lab Sample ID:	12F0091-01	Sampled Date & Time:	<u>6/4/12 1010</u>
Matrix:	Drinking Water	DW CERT/PWSID#:	<u>1</u>
Type:	Grab		
Analysis	Method	Field Results	Hold
Chlorine_Res_T_Field	SM (20) 4500 Cl G	FIELD RESULTS: _____ UNITS: _____	
pH_Field	SM (20) 4500-H B	FIELD RESULTS: _____ UNITS: _____	
Temp_Fld	SM (20) 2550 B	FIELD RESULTS: _____ UNITS: _____	
NO3_IC	EPA 300.0		2
TDS	SM (20) 2540 C		7
Colilert_P/A	SM(20)9223B Colilert	H-1/2 Gallon Plastic Neal	
		S-4oz Sterile Plastic w/Thiosulfate	1.25

Sampled by: <u>[Signature]</u>	Date/Time: <u>6/4/12 1535</u>	Received by: <u>S. Baptist</u>
Printed Name: _____		Printed Name: <u>S. Baptist</u>
Relinquished by: _____	Date/Time: _____	Received by: _____
Printed Name: _____		Printed Name: _____
Relinquished by: _____	Date/Time: _____	Received by: _____
Printed Name: _____		Printed Name: _____

On Ice: ☒ Yes / No

Rad Scan Acceptable: ☒ Yes / No

Cooler Temp 2.9

Cooler Number: _____

Notes: