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**Subject:** May 2016 WETT Report

**From:** bioanalytical@wildblue.net (bioanalytical@wildblue.net)

**To:** mwws@sbcglobal.net;

**Cc:** rthomas@magnolia-ar.com;

**Date:** Tuesday, June 14, 2016 3:07 PM

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Hi Russell,

Looks like pathogen interference. Treating with UV light reduced the toxicity. We have the last test scheduled for the last week of this month.

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## Attachments

- X6044 invoice.pdf (18.13KB)
- X6044 pp.pdf (1.30MB)

Bio-Analytical Laboratories (BAL)  
ADEQ Certificate #88-0630  
Project X6044

### Bio-Analytical Laboratories' Executive Summary

**Permittee:** Magnolia Wastewater System  
P.O. Box 666  
Magnolia, AR 71753

**Project #:** X6044

**Outfall:** 001 (treated municipal wastewater)

**Permit #:** AR0043613/ AFIN #14-00059

**Contact:** Russell Thomas

**Dates:** May 24 - 31, 2016

**Test Type:** Chronic Static Renewal Survival and Growth Test using *Pimephales promelas*  
(EPA Method 1000.0)

#### Results:

##### For *Pimephales promelas*:

1. If the NOEC for survival is less than the critical dilution (100.0%), enter a "1"; otherwise, enter a "0" for Parameter TLP6C - 1 -**Fail**\*
2. If the NOEC for growth is less than the critical dilution, enter a "1"; otherwise, enter a "0" for Parameter TGP6C - 1 -**Fail**\*
3. Report the NOEC value for survival, Parameter TOP6C - 80.0%.
4. Report the NOEC value for growth, Parameter TPP6C - 80.0%.
5. Report the largest % coefficient of variation between the control and the critical dilution, Parameter TQP6C - 21.89%.

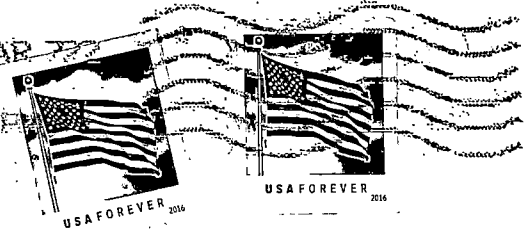
**\*NOTE: TREATING THE EFFLUENT WITH ULTRAVIOLET LIGHT REDUCED THE LETHAL AND SUBLETHAL EFFECT IN THE 100% CRITICAL DILUTION.**

This report contains a total of 33 pages, including this page. The results contained within pertains only to the samples listed on the chain of custody documents in Appendix A. The information meets the standards set forth by ADEQ. The chemical data in this report is for monitoring purposes only and should not be reported on discharge monitoring reports.

City of Magnolia Big Creek WWTP  
P.O. Box 666  
Magnolia, AR 71754-0666  
Permit # AR0043613  
AFIN # 1400059

LITTLE ROCK AR 72118

24 JUN 2016



NPDES Enforcement Section  
Water Division  
Arkansas Department of Environmental Quality  
5301 N. Shore Dr.  
North Little Rock, Arkansas 72118-5317

72118-531799

