



July 2, 2004

CERTIFICATE OF ANALYSIS

Mr. Peter Butt
Karst Environmental Services, Inc.
P. O. Box 1368
High Springs, FL 32643

RE: Down Stream Madison Blue Spring Trace
Analysis results for charcoal and water samples shipped on June 8, 2004.
Ozark Underground Laboratory (OUL) numbers N3837 through N3841.

Dear Peter:

We have completed analysis of the additional charcoal and water samples that you requested by phone on June 22, 2004. These samples were received at the OUL on June 9, 2004. We have indicated the OUL number for each of these samples on the enclosed table.

The fluorescein dye concentration is based upon a standard routinely used at the OUL. The fluorescein is a mixture of 75% dye and 25% diluent; the concentration is based upon the as-sold weight of the dye.

A summary of the results is presented in Table 1. Additional sampling information is available on the enclosed analysis graphs.

Sincerely,

Thomas J. Aley, PHG and RG

- Enclosures:
- 1) Table 1 - Analysis results for charcoal and water samples
 - 2) Sample Collection Data Sheets
 - 3) Sample analysis graphs

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Ozark Underground Laboratory, Inc. for Karst Environmental Services, Inc.

Project name: Downstream Madison Blue Spring Trace
Samples collected by: KES Staff
Date samples shipped: June 8, 2004
Date samples rec'd at OUL: June 9, 2004
Date samples analyzed by OUL: June 25, 2004

Table 1. Results for charcoal and water samples analyzed for the presence of fluorescein dye. Peak wavelengths are reported in nanometers (nm); dye concentrations are reported in parts per billion (ppb). All results are for charcoal unless otherwise indicated.

OUL #	Stn. #	Station Name	Date/Time Placed 2004	Date/Time Collected 2004	Fluorescein Results	
					Peak	Conc.
N3837	5	Snake Spring	Water	6/6 1410	ND	
N3838	11	The Crack	Water	6/6 1645	ND	
N3839	12	Corbett Spring	Water	6/6 1655	508.8 **	0.009
N3840	Laboratory control water blank					
N3841	22	W.R. D/S of Corbett Spring	5/23 1308	6/6 1703	517.1 *	0.848

FOOTNOTES:

ND = None Detected

* = A fluorescence peak is present that does not meet all the criteria for a positive dye result but has been calculated as though it were the tracer dye.

** = A fluorescence peak is present that does not meet all the criteria for a positive dye result but has been calculated as though it were the tracer dye because dye was found in the corresponding charcoal.

Project 604
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