

June 7, 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 May 17 and 24, 2004.
Ozark Underground Laboratory (OUL) numbers N2777 through N2833,
N2911 through N2926, N2964 through N3000 and N3042 through N3044.

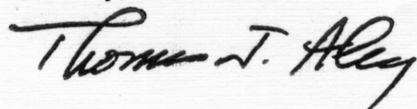
Dear Peter:

We have completed analysis of the charcoal and water samples that were received at the OUL on May 18 and 25, 2004. We have indicated the OUL number for each of these samples on the enclosed tables.

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 Tables 1 and 2. Additional sampling information is available on the enclosed analysis graphs.

Sincerely,



Thomas J. Aley, PHG and RG

- Enclosures:
- 1) Tables 1 and 2 - Analysis results for charcoal and water samples
 - 2) Sample Collection Data Sheets
 - 3) Directive to lab from Pete Butt
 - 4) Discrepancy sheet
 - 5) Sample analysis graphs

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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 May 17 and 24, 2004.
Ozark Underground Laboratory (OUL) numbers N2777 through N2833,
N2911 through N2926, N2964 through N3000 and N3042 through N3044.

Dear Peter:

We have completed analysis of the charcoal and water samples that were received at the OUL on May 18 and 25, 2004. We have indicated the OUL number for each of these samples on the enclosed tables.

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 Tables 1 and 2. Additional sampling information is available on the enclosed analysis graphs.

Sincerely,

Thomas J. Aley, PHG and RG

Enclosures: 1) Tables 1 and 2 - Analysis results for charcoal and water samples
2) Sample Collection Data Sheets
3) Directive to lab from Pete Butt
4) Discrepancy sheet
5) Sample analysis graphs

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

Project name: Down Stream Madison Blue Spring Trace
Samples collected by: Peter Butt / KES Staff
Date samples shipped: May 17 and 24, 2004
Date samples rec'd at OUL: May 18 and 25, 2004
Date samples analyzed by OUL: May 20, 24 and 27, 2004

Table 1 (Lab # order). 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.
N2777	3	Pott Spring (Deep)	4/30 1435	5/12 1430	ND	
N2778	3	Pott Spring (Deep)	5/12 1430	5/13 2140	515.1	6,320
N2779	3	Pott Spring (Shallow)	5/12 1430	5/14 1710	515.1	5,610
N2780	Laboratory Control Charcoal Blank					
N2781	3	Pott Spring (Deep)	5/13 2140	5/14 1710	515.1	1,830
N2782	3	Pott Spring (Deep)	5/14 1710	5/16 1606	515.1	383
N2783	3	Pott Spring (Shallow)	5/14 1710	5/16 1606	514.3	209
N2784	4	Tanner Spring	5/12 1058	5/13 1714	ND	
N2785	4	Tanner Spring	5/13 1714	5/14 1245	ND	
N2786	4	Tanner Spring	5/14 1245	5/16 1128	514.1	100
N2787	1	Body Tube Spring	5/12 1457	5/13 1835	513.8 *	0227
N2788	1	Body Tube Spring	5/13 1835	5/14 1617	513.9	0.286
N2789	1	Body Tube Spring	5/14 1617	5/16 1546	514.3	39.6
N2790	2A	Bluff Spring A	5/12 1450	5/13 1843	ND	
N2791	2A	Bluff Spring A	5/13 1843	5/14 1624	ND	
N2792	2A	Bluff Spring A	5/14 1624	5/16 1540	ND	
N2793	2B	Bluff Spring B	5/12 1447	5/13 1849	ND	
N2794	2B	Bluff Spring B	5/13 1849	5/14 1630	ND	
N2795	2B	Bluff Spring B	5/14 1630	5/16 1535	ND	
N2796	2C	Bluff Spring C	5/12 1444	5/13 1853	ND	
N2797	2C	Bluff Spring C	5/13 1853	5/14 1635	513.6	0.454
N2798	2C	Bluff Spring C	5/14 1635	5/16 1531	514.1	101
N2799	2D	Bluff Spring D	5/12 1439	5/13 1858	ND	
N2800	Laboratory Control Charcoal Blank					
N2801	2D	Bluff Spring D	5/13 1858	5/14 1642	514.8 *	0.359
N2802	2D	Bluff Spring D	5/14 1642	5/16 1526	514.0	51.8
N2803	19	Madison Blue Head Spring	4/30 1405	5/12 1543	ND	
(Footnotes at end of Table)					(continued)	
(continued)						

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

Table 1 (Lab # order). 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	Date/Time Collected	Fluorescein Results	
			2004	2004	Peak	Conc.
N2804	19	Madison Blue Head Spring	5/12 1543	5/13 2057	ND	
N2805	19	Madison Blue Head Spring	5/13 2057	5/14 1520	ND	
N2806	19	Madison Blue Head Spring	5/14 1520	5/16 1710	ND	
N2807	5	Snake Spring	5/12 1112	5/16 1140	514.1	7.59
N2808	6	Baseline Spring	5/12 1124	5/16 1153	ND	
N2809	7	Owl Eyes Spring	5/12 1158	5/16 1253	ND	
N2810	8	Morgan's Spring	5/12 1211	5/16 1235	ND	
N2811	9	Chaplain's Spring	5/12 1216	5/16 1240	ND	
N2812	10	Rabbit Hole Spring	5/12 1227	5/16 1251	515.0 *	0.296
N2813	11	The Crack	5/12 1235	5/16 1302	ND	
N2814	12	Corbett Spring	5/12 1242	5/16 1307	ND	
N2815	22	W.R. D/S of Corbett Spring (#12)	5/12 1247	5/16 1311	514.3	9.53
N2816	23	W.R. U/S of Pott Spring	5/14 1148	5/16 1609	514.0	0.779
N2817	20	Withlacoochee River upstream of MBS	4/30 1411	5/12 1543	ND	
N2818	20	Withlacoochee River upstream of MBS	5/14 1525	5/16 1712	ND	
N2819	MBC	Madison Blue Check	5/12 1824	5/13 1030	ND	
N2820	Laboratory Control Charcoal Blank					
N2821	3	Pott Spring	Water	5/12 1430	ND	
N2822	3	Pott Spring	Water	5/13 1945	508.0	7.80
N2823	3	Pott Spring	Water	5/13 2140	508.1	5.73
N2824	3	Pott Spring	Water	5/14 1040	508.1	3.47
N2825	3	Pott Spring	Water	5/14 1710	507.9	2.06
N2826	3	Pott Spring	Water	5/16 1606	507.9	0.189
N2827	19	Madison Blue Head Spring	Water	5/13 2057	ND	
N2828	19	Madison Blue Head Spring	Water	5/14 1520	ND	
N2829	19	Madison Blue Head Spring	Water	5/16 1710	ND	
N2830	200	Twin Rivers Forest well #4	Water	5/14 1226	507.8	0.013
N2831	MBC-1	Madison Blue Check - 1	Water	5/12 1728	ND	
N2832	MBC-2	Madison Blue Check - 2	Water	5/12 1753	ND	
N2833	MBC-3	Madison Blue Check - 3	Water	5/12 1809	ND	
N2911	4	Tanner Spring	Water	5/16 1128	507.7	0.506
(Footnotes at end of Table)			(continued)			
(continued)						
N2912	4	Tanner Spring	Water	5/14 1245	ND	

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

Table 1 (Lab # order). 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.
N2913	1	Body Tube Spring	Water	5/16 1546	507.7	0.056
N2914	1	Body Tube Spring	Water	5/14 1617	506.9	0.011
N2915	1	Body Tube Spring	Water	5/13 1835	ND	
N2916	2C	Bluff Spring C	Water	5/16 1531	507.5	0.091
N2917	2C	Bluff Spring C	Water	5/14 1635	507.2	0.014
N2918	2C	Bluff Spring C	Water	5/13 1853	ND	
N2919	2D	Bluff Spring D	Water	5/16 1526	507.8	0.096
N2920	Laboratory Control Water Blank					
N2921	2D	Bluff Spring D	Water	5/14 1642	508.2	0.016
N2922	2D	Bluff Spring D	Water	5/13 1858	ND	
N2923	5	Snake Spring	Water	5/16 1140	507.6	0.058
N2924	5	Snake Spring	Water	5/12 1112	ND	
N2925	22	W.R. D/S of Corbett Spring	Water	5/16 1311	507.2	0.066
N2926	22	W.R. D/S of Corbett Spring	Water	5/12 1247	ND	
N2964	3	Pott Spring (Deep)	5/16 1606	5/19 1211	514.2	73.5
N2965	3	Pott Spring (Deep)	5/19 1211	5/23 1615	514.1	19.9
N2966	4	Tanner Spring	5/16 1128	5/19 1115	514.3	47.2
N2967	4	Tanner Spring	5/19 1115	5/23 1118	514.2	33.4
N2968	5	Snake Spring	5/16 1140	5/23 1129	514.5	11.3
N2969	6	Baseline Spring	5/16 1153	5/23 1142	ND	
N2970	1	Body Tube Spring	5/16 1546	5/19 1247	514.2	14.8
N2971	1	Body Tube Spring	5/19 1247	5/23 1537	514.3	1.84
N2972	2C	Bluff Spring C	5/16 1531	5/19 1320	514.1	43.6
N2973	2D	Bluff Spring D	5/16 1526	5/19 1325	514.2	21.6
N2974	2D	Bluff Spring D	5/19 1325	5/23 1513	514.3	4.37
N2975	2A	Bluff Spring A Vent	5/16 1540	5/19 1308	ND	
N2976	2A	Bluff Spring A	5/19 1308	5/23 1529	ND	
N2977	2B	Bluff Spring B Vent	5/16 1535	5/19 1315	ND	
N2978	2B	Bluff Spring B	5/19 1315	5/23 1525	ND	
N2979	19	Madison Blue Head Spring	5/16 1710	5/19 1045	ND	
(Footnotes at end of Table)					(continued)	
(continued)						
N2980	Laboratory Control Charcoal Blank					
N2981	7	Owl Eyes Spring	5/16 1223	5/23 1212	ND	

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

Table 1 (Lab # order). 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	Date/Time Collected	Fluorescein Results	
			2004	2004	Peak	Conc.
N2982	8	Morgan's Spring	5/16 1235	5/23 1221	ND	
N2983	9	Chaplain's Spring	5/16 1240	5/23 1227	514.4	1.14
N2984	10	Rabbit Hole Spring	5/16 1251	5/23 1247	ND	
N2985	11	The Crack	5/16 1302	5/23 1257	ND	
N2986	12	Corbett Spring	5/16 1307	5/23 1305	514.6	2.99
N2987	22	W.R. D/S of Corbett Spring	5/16 1311	5/23 1308	514.7	3.06
N2988	23	W.R. U/S of Pott Spring	5/16 1609	5/19 1206	515.1 *	0.247
N2989	3	Pott Spring	Water	5/19 1211	508.1	0.038
N2990	3	Pott Spring	Water	5/23 1615	508.0 *	0.015
N2991	4	Tanner Spring	Water	5/19 1115	507.5	0.236
N2992	4	Tanner Spring	Water	5/23 1118	507.5	0.089
N2993	5	Snake Spring	Water	5/23 1129	ND	
N2994	1	Body Tube Spring	Water	5/19 1247	ND	
N2995	1	Body Tube Spring	Water	5/23 1537	ND	
N2996	2C	Bluff Spring C Vent	Water	5/19 1320	507.0 *	0.010
N2997	2C	Bluff Spring C	Water	5/23 1520	ND	
N2998	2D	Bluff Spring D Vent	Water	5/19 1325	508.8 *	0.011
N2999	2D	Bluff Spring D	Water	5/23 1513	ND	
N3000	Laboratory Control Water Blank					
N3042	9	Chaplain's Spring	Water	5/23 1227	ND	
N3043	12	Corbett Spring	Water	5/23 1305	507.6	0.022
N3044	22	W.R. D/S of Corbett Spring	Water	5/23 1308	ND	

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.

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

Table 2 (Station # order). 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	Date/Time Collected	Fluorescein Results	
			2004	2004	Peak	Conc.
N2787	1	Body Tube Spring	5/12 1457	5/13 1835	513.8 *	0.227
N2915	1	Body Tube Spring	Water	5/13 1835	ND	
N2788	1	Body Tube Spring	5/13 1835	5/14 1617	513.9	0.286
N2914	1	Body Tube Spring	Water	5/14 1617	506.9	0.011
N2789	1	Body Tube Spring	5/14 1617	5/16 1546	514.3	39.6
N2913	1	Body Tube Spring	Water	5/16 1546	507.7	0.056
N2970	1	Body Tube Spring	5/16 1546	5/19 1247	514.2	14.8
N2994	1	Body Tube Spring	Water	5/19 1247	ND	
N2971	1	Body Tube Spring	5/19 1247	5/23 1537	514.3	1.84
N2995	1	Body Tube Spring	Water	5/23 1537	ND	
N2790	2A	Bluff Spring A	5/12 1450	5/13 1843	ND	
N2791	2A	Bluff Spring A	5/13 1843	5/14 1624	ND	
N2792	2A	Bluff Spring A	5/14 1624	5/16 1540	ND	
N2975	2A	Bluff Spring A Vent	5/16 1540	5/19 1308	ND	
N2976	2A	Bluff Spring A	5/19 1308	5/23 1529	ND	
N2793	2B	Bluff Spring B	5/12 1447	5/13 1849	ND	
N2794	2B	Bluff Spring B	5/13 1849	5/14 1630	ND	
N2795	2B	Bluff Spring B	5/14 1630	5/16 1535	ND	
N2977	2B	Bluff Spring B Vent	5/16 1535	5/19 1315	ND	
N2978	2B	Bluff Spring B	5/19 1315	5/23 1525	ND	
N2796	2C	Bluff Spring C	5/12 1444	5/13 1853	ND	
N2918	2C	Bluff Spring C	Water	5/13 1853	ND	
N2797	2C	Bluff Spring C	5/13 1853	5/14 1635	513.6	0.454
N2917	2C	Bluff Spring C	Water	5/14 1635	507.2	0.014
N2798	2C	Bluff Spring C	5/14 1635	5/16 1531	514.1	101
N2916	2C	Bluff Spring C	Water	5/16 1531	507.5	0.091
N2972	2C	Bluff Spring C	5/16 1531	5/19 1320	514.1	43.6
N2996	2C	Bluff Spring C Vent	Water	5/19 1320	507.0 *	0.010
N2997	2C	Bluff Spring C	Water	5/23 1520	ND	
N2799	2D	Bluff Spring D	5/12 1439	5/13 1858	ND	
N2922	2D	Bluff Spring D	Water	5/13 1858	ND	
(Footnotes at end of Table)					(continued)	
(continued)						

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

Table 2 (Station # order). 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.
N2801	2D	Bluff Spring D	5/13 1858	5/14 1642	514.8 *	0.359
N2921	2D	Bluff Spring D	Water	5/14 1642	508.2	0.016
N2802	2D	Bluff Spring D	5/14 1642	5/16 1526	514.0	51.8
N2919	2D	Bluff Spring D	Water	5/16 1526	507.8	0.096
N2973	2D	Bluff Spring D	5/16 1526	5/19 1325	514.2	21.6
N2998	2D	Bluff Spring D Vent	Water	5/19 1325	508.8 *	0.011
N2974	2D	Bluff Spring D	5/19 1325	5/23 1513	514.3	4.37
N2999	2D	Bluff Spring D	Water	5/23 1513	ND	
N2777	3	Pott Spring (Deep)	4/30 1435	5/12 1430	ND	
N2778	3	Pott Spring (Deep)	5/12 1430	5/13 2140	515.1	6,320
N2781	3	Pott Spring (Deep)	5/13 2140	5/14 1710	515.1	1,830
N2782	3	Pott Spring (Deep)	5/14 1710	5/16 1606	515.1	383
N2964	3	Pott Spring (Deep)	5/16 1606	5/19 1211	514.2	73.5
N2965	3	Pott Spring (Deep)	5/19 1211	5/23 1615	514.1	19.9
N2779	3	Pott Spring (Shallow)	5/12 1430	5/14 1710	515.1	5,610
N2783	3	Pott Spring (Shallow)	5/14 1710	5/16 1606	514.3	209
N2821	3	Pott Spring	Water	5/12 1430	ND	
N2822	3	Pott Spring	Water	5/13 1945	508.0	7.80
N2823	3	Pott Spring	Water	5/13 2140	508.1	5.73
N2824	3	Pott Spring	Water	5/14 1040	508.1	3.47
N2825	3	Pott Spring	Water	5/14 1710	507.9	2.06
N2826	3	Pott Spring	Water	5/16 1606	507.9	0.189
N2989	3	Pott Spring	Water	5/19 1211	508.1	0.038
N2990	3	Pott Spring	Water	5/23 1615	508.0 *	0.015
N2784	4	Tanner Spring	5/12 1058	5/13 1714	ND	
N2785	4	Tanner Spring	5/13 1714	5/14 1245	ND	
N2912	4	Tanner Spring	Water	5/14 1245	ND	
N2786	4	Tanner Spring	5/14 1245	5/16 1128	514.1	100
N2911	4	Tanner Spring	Water	5/16 1128	507.7	0.506
N2966	4	Tanner Spring	5/16 1128	5/19 1115	514.3	47.2
N2991	4	Tanner Spring	Water	5/19 1115	507.5	0.236
(Footnotes at end of Table) (continued)						
(continued)						
N2967	4	Tanner Spring	5/19 1115	5/23 1118	514.2	33.4

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

Table 2 (Station # order). 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.
N2992	4	Tanner Spring	Water	5/23 1118	507.5	0.089
N2924	5	Snake Spring	Water	5/12 1112	ND	
N2807	5	Snake Spring	5/12 1112	5/16 1140	514.1	7.59
N2923	5	Snake Spring	Water	5/16 1140	507.6	0.058
N2968	5	Snake Spring	5/16 1140	5/23 1129	514.5	11.3
N2993	5	Snake Spring	Water	5/23 1129	ND	
N2808	6	Baseline Spring	5/12 1124	5/16 1153	ND	
N2969	6	Baseline Spring	5/16 1153	5/23 1142	ND	
N2809	7	Owl Eyes Spring	5/12 1158	5/16 1253	ND	
N2981	7	Owl Eyes Spring	5/16 1223	5/23 1212	ND	
N2810	8	Morgan's Spring	5/12 1211	5/16 1235	ND	
N2982	8	Morgan's Spring	5/16 1235	5/23 1221	ND	
N2811	9	Chaplain's Spring	5/12 1216	5/16 1240	ND	
N2983	9	Chaplain's Spring	5/16 1240	5/23 1227	514.4	1.14
N3042	9	Chaplain's Spring	Water	5/23 1227	ND	
N2812	10	Rabbit Hole Spring	5/12 1227	5/16 1251	515.0 *	0.296
N2984	10	Rabbit Hole Spring	5/16 1251	5/23 1247	ND	
N2813	11	The Crack	5/12 1235	5/16 1302	ND	
N2985	11	The Crack	5/16 1302	5/23 1257	ND	
N2814	12	Corbett Spring	5/12 1242	5/16 1307	ND	
N2986	12	Corbett Spring	5/16 1307	5/23 1305	514.6	2.99
N3043	12	Corbett Spring	Water	5/23 1305	507.6	0.022
N2803	19	Madison Blue Head Spring	4/30 1405	5/12 1543	ND	
N2804	19	Madison Blue Head Spring	5/12 1543	5/13 2057	ND	
N2827	19	Madison Blue Head Spring	Water	5/13 2057	ND	
N2805	19	Madison Blue Head Spring	5/13 2057	5/14 1520	ND	
N2828	19	Madison Blue Head Spring	Water	5/14 1520	ND	
N2806	19	Madison Blue Head Spring	5/14 1520	5/16 1710	ND	
N2829	19	Madison Blue Head Spring	Water	5/16 1710	ND	
N2979	19	Madison Blue Head Spring	5/16 1710	5/19 1045	ND	
(Footnotes at end of Table)					(continued)	
(continued)						
N2817	20	Withlacoochee River upstream of MBS	4/30 1411	5/12 1543	ND	
N2818	20	Withlacoochee River upstream of MBS	5/14 1525	5/16 1712	ND	

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

Table 2 (Station # order). 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.
N2926	22	W.R. D/S of Corbett Spring	Water	5/12 1247	ND	
N2815	22	W.R. D/S of Corbett Spring (#12)	5/12 1247	5/16 1311	514.3	9.53
N2925	22	W.R. D/S of Corbett Spring	Water	5/16 1311	507.2	0.066
N2987	22	W.R. D/S of Corbett Spring	5/16 1311	5/23 1308	514.7	3.06
N3044	22	W.R. D/S of Corbett Spring	Water	5/23 1308	ND	
N2816	23	W.R. U/S of Pott Spring	5/14 1148	5/16 1609	514.0	0.779
N2988	23	W.R. U/S of Pott Spring	5/16 1609	5/19 1206	515.1 *	0.247
N2830	200	Twin Rivers Forest well #4	Water	5/14 1226	507.8	0.013
N2819	MBC	Madison Blue Check	5/12 1824	5/13 1030	ND	
N2833	MBC-3	Madison Blue Check - 3	Water	5/12 1809	ND	
N2832	MBC-2	Madison Blue Check - 2	Water	5/12 1753	ND	
N2831	MBC-1	Madison Blue Check - 1	Water	5/12 1728	ND	

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.

1572 Alek Lane Protom, MO 65733 (417) 785-4289 fax (417) 785-4290 email: oul@tri-lakes.net

SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: Dawn Stream Madison Blue Spring Tract / Week No: Samples Collected By: Let B. H. YER

Samples Shipped By: Peter A. H. / KES Samples Received By: A. J. Shannon

Date Samples Shipped: 5/17/04 Date Samples Received: 5/18/04 Time Samples Received: 12:30

Bill to: SRUMD

Send Results to:

RECEIVED

FEB 1968

Analyze for: Fluorescein ☒ Eosine ☐ Rhodamine WT ☐ Other ☐

Ship cooler to:

[illegible]

COMMENTS:

DATE RELEASED - 5/12/04 BY SP7/5

Neuse Run all Singers Gift a bare
Charcoal Blank V0780

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SERVICES INC.**

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Page 2 of 14 (over)

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Protein, MD 65133 (417) 783-4289 fax (417) 785-4290 email: sub@prf-lab.com

email: quang@quang-huynh.com

SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: Dawn from Madison Blue Springs Trace Week No: 1 Samples Collected By: Pete Boff / KES Jakes

Samples Shipped By: Peter Butt / HES Samples Received By: A. Gharoon
 Samples Collected By: Peter Butt / HES Samples Received By: A. Gharoon

Date Samples Shipped: 5/17/04 Date Samples Received: 5/18/04 Time Samples Received: 12:30
Return Cooler? Yes

Bill to: SRWMD

Analyze for: Fluorescein X Eosine _____ Rhodamine WT _____ Other _____ Ship cooler to: _____

Q06.	Please indicate stations where dye was visible in the field
use only	

OCL use only		Please indicate stations where dye was visible in the field for field technician use - use black ink only									
# CHAR RECT'S	LAB NUMBER DATE	STATION NUMBER Lat/Long	STATION NAME	PLACED		COLLECTED		# WATER RECT'S			
				DATE	TIME	DATE	TIME				
1	067304	4	Church Sampler	4/30	17:30	5/12	10:58	0			
1	06784	4	Tanner Spring	5/12	10:58	5/13	17:14	0			
1	06785	4	"	5/13	17:14	5/14	12:45	0			
1	06786	4	"	5/14	12:45	5/16	11:28	0			
			Water Samples								
0		4	Tanner Spring	-	-	5/12	10:58	1			
0		4	"	-	-	5/13	17:14	1			
0		4	"	-	-	5/14	12:45	1			
0		4	"	-	-	5/16	11:28	1			

2000

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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: Downstream Madison Blue Spring Trace Week No: Samples Collected By: Peter & W/KES

Samples Shipped By: Peter Holt/KES Sample Received By: A. Stearns
 IF ORDER YES, Sample Collected By: Peter Holt/KES

Date Samples Shipped: 5/17/04 Date Samples Received: 5/18/04 Time Samples Received: 1:30
 Samples received by: John Doe Return Cooler? Yes ☐ No ☒

[illegible]Analyze for: Fluorescein ☒ Eosine ☐ Rhodamine WT ☐ Other ☐ Ship cooler to: ☐

OUT	IN
not only	
	<u>Please indicate stations where dye was visible in the field</u>

FOUR DIGIT	LAB	STATION	STATION NAME
for field technician use - use black ink only			

[illegible]

COMMENTS:

KARST ENVIRONMENTAL
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dated and 5/20/04 by me
[Signature]

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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: D/S Madison Blue Springs Trace Week No: 1 Samples Collected By: Pete B. H / KES Staff

Samples Shipped By: Pete Butt / KES

Date Samples Shipped: 5/17/04
 Date Samples Received: 5/18/04
 Time Samples Received: 12:30
 Samples received by: J. O'Connell
 Return Contact: V...

Bill to: SLVMP OWNS COMPANY INCORPORATED 2118 164 10:30 Return Cooler? Yes

Analyze for: Fluorescein ☒ Eosine ☐ Rhodamine WT ☐ Other ☐

Please indicate stations where dye was visible in the field
for field technician use - use black ink only

[illegible]

KARST ENVIRONMENTAL

SPRAYING Yes

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No	X
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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: D15 Madison Bls Spring Trace Week No: 1 Samples Collected By: Peter B. H/KES STAFF
 Samples Shipped By: Peter B. H/KES Samples Received By: J. Stearns
 Date Samples Shipped: 5/17/04 Date Samples Received: 5/18/04 Time Samples Received: 12:30 Return Cooler? Yes No
 Bill to: SRW MD Send Results to: Ship cooler to:
 Analyze for: Fluorescein X Eosine Other Rhodamine WT Other Ship cooler to:

OUL use only		Please indicate stations where dye was visible in the field for field technician use - use black ink only										OUL use only
# COAR REC'D	LAB NUMBER	STATION NUMBER	STATION NAME		PLACED		COLLECTED		WATER			
					DATE	TIME	DATE	TIME	REC'D			
			Charcoal Samplers									
		2D	Bluffs Spring D		4/30	15:45	5/12	14:39	0			
		2D	Bluffs Spring D		5/12	14:39	5/13	18:58	0			
		2D	"		5/13	18:58	5/14	16:42	0			
		2D	"		5/14	16:42	5/16	15:26	0			
			water sampler									
		2D	Bluffs Spring D				5/12	14:39	1			
		2D	"				5/13	18:58	1			
		2D	"				5/14	16:42	1			
		2D	"				5/16	15:26	1			

COMMENTS:

KARST ENVIRONMENTAL SERVICES INC. Yes

This sheet filed

No X

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Page B of 14 (OUL) Analyzed 5/20/04 by ME

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Charcoal Blank N2800

Bag Bluffs D-1

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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: D/S Medium Blue Pigment Week No: 1 Samples Collected By: John A. KEE

Samples Shipped By: Pete H/H/KES
 Samples Received By: J. Peterson
 Samples Collected By: JEFFREY/KES 2/28/88

Date Samples Shipped: 5/17/04 Date Samples Received: 5/18/04 Time Samples Received: 12:30
 Samples Received By: Jeff Return Cooler? Yes ☐ No ☐

BILL TO: Bill Rec: SRL MD

Analyze for: Fluorescein ☒ Eosine ☐ Rhodamine WT ☐ Other ☐ Ship cooler to: _____

Shrimp cooler to:

[illegible]

COMMENTS

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This sheet filled you for 300 percent? Yes

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 Initialed 5/20/09 by UL

Published online 22 May 2009

Page 5/8-1

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1572 Alky Lane Protom, MO 65733 (417) 785-4289 fax (417) 785-4290 email: oal@ozlakes.net

SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: O/S Midtown Blue Spring Week No: 1 Samples Collected By: P.F. & J. KES 5/25/12
 Samples Shipped By: P.F. & J. KES Samples Received By: J. Strawn
 Date Samples Shipped: 5/17/104 Date Samples Received: 5/18/104 Time Samples Received: 12:30 Return Cooler? Yes No
 Bill to: SRWMD Send Results to: _____ Ship cooler to: _____
 Analyze for: Fluorescein X Eosine _____ Rhodamine WT _____ Other _____

# CHAR REC'D	LAB NUMBER	STATION NUMBER (if Numbered)	STATION NAME		PLACED		COLLECTED		OAL use only
			for field technician use - use black ink only		DATE	TIME	DATE	TIME	
1		7	Chardal Springs	(B/G)	4/25	17:45	5/12	11:58	0
1	N8809	7	Owl Eyes Spring		5/12	11:58	5/16	12:53	0
1		8	Morgan's Spring	(B/G)	4/25	19:11	5/12	12:11	0
1	N8810	8	Morgan's Spring		5/12	12:11	5/16	12:35	0
1		9	Chaplain's Spring	(B/G)	4/25	19:00	5/12	12:16	0
1	N8811	9	Chaplain's Spring		5/12	12:16	5/16	12:40	0
1		10	Rabbit Hole Spring	(B/G)	4/25	18:15	5/12	12:27	0
1	N8812	10	Rabbit Hole Spring		5/12	12:27	5/16	12:57	0
1		11	The Cracks	(B/G)	4/25	18:30	5/12	12:35	0
1	N8813	11	The Cracks		5/12	12:35	5/16	13:02	0
1		12	Carbett Spring	(B/G)	4/25	18:30	5/12	12:42	0
1	N8814	12	Carbett Spring		5/12	12:42	5/16	13:07	0

COMMENTS:

KARST ENVIRONMENTAL SERVICES, INC. Yes

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Printed: 5/24/12 by: WFE

Fluorescence.doc, Rev. 8/99

Bag - Lower - 1

Project: D/S Putnam Blue Spring Trace

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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Samples Shipped By: Ref. Batt/KES Week No: 1 Samples Collected By: Ref. Batt/KES
 Date Samples Shipped: 5/17/04 Date Samples Received: 5/18/04 Thus Samples Received: 12:30 Return Cooler? Yes No
 Bill to: SRWMD Send Results to: Ship cooler to:

OUL see only		Please indicate stations where dye was visible in the field for field technician use - use black ink only				OUL see only
# CHAS SELECT	LAB NUMBER	STATION NUMBER	STATION NAME	PLACED DATE	COLLECTED DATE	WATER RECY
1		21	W.R. U/S of Landing	5/12 15:25	5/14 14:18	0
1		21	W.R. U/S of Landing	5/14 14:18	5/16 14:57	0
1	N2815	22	W.R. D/S of Corbett Spring (12)	5/12 12:47	5/16 13:11	0
1	N2816	23	W.R. U/S of Rott Spring	5/14 11:48	5/16 16:09	0
0			Water Samples:			
0		21	W.R. U/S of Landing	5/12 15:25	5/14 14:18	1
0		21	W.R. U/S of Landing	5/14 14:18	5/16 14:57	1
0		21	W.R. U/S of Landing	5/12 12:47	5/16 13:11	1
0		22	W.R. D/S of Corbett Spring	5/14 11:48	5/16 16:09	1
0		22	W.R. D/S of Corbett Spring	5/12 15:25	5/14 14:18	1
0		23	W.R. U/S of Rott Spring	5/14 14:18	5/16 14:57	1
0		23	W.R. U/S of Rott Spring	5/12 12:47	5/16 13:11	1
0		200	Tumbar Forest well #4	5/14 11:48	5/16 16:09	1

COMMENTS: W.R. - with coachee River D/S. Amstern U/S - up stream
 KARST ENVIRONMENTAL SERVICES INC. This sheet is for samples on this page provided by OUL: amstern
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 Page 12 of 14 (OUL) Analysing 5/20/04 by R
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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: 05 Multnomah Blue Spring Trace Week No: 1
 Samples Collected By: Pete Burt/KES/BPF

Samples Shipped By: Pete Butt/KELB
 Samples Received By: Joe Swann
 Samples Collected By: Pete Butt/KELB

Date Samples Shipped: 5/17/04 Date Samples Received: 5/18/04 Time Samples Received: 12:30 Return Cooler? ☒ Yes

Bill to: SKWMD Send Results to: KES

Analyze for: Fluorescein ☒ Eosine ☐ Rhodamine WT ☐ Other ☐ Skin cooler to: ☐

Ship center to:

[illegible]

COMMENTS

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17 " " ,) made good 5/20/64 OK late

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1577 Aleo Lane, Prosser, MO 65753 (417) 785-4289 fax (417) 785-4290 email: outdoor@aleo.com

SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Samples Shipped By: KE3/Vete.B. #0 Samples Received By: Dr. Steinhilber

Date Samples Shipped: 5/17/04 Date Samples Received: 5/18/04 Time Samples Received: 12:30

Bill to: SLWMO Send Results to: _____

Analyze for: Fluorescein ☒ Eosine ☐ Rhodamine WT ☐ Other ☐ Ship cooler test ☐

002	Please indicate stations where due was visible in the field

Please indicate stations where dye was visible in the field
for field technician use - use black ink only

[illegible]

COMMENTS: ADULT STAPLER TAKEN TO MONITOR AS KNOX FROM OUR JOINTLY OWNED CATTLE PASTURE

KARSTEN VILHELMSEN, 1914, be present by all above named.

This sheet **REVIEWED** Yes ☒ No ☐ Charts for samples on this page proofed by OUL: mm

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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Samples Shipped By: Peter Butt/KES Samples Collected By: Peter Butt/KES
 Samples Received By: C. Sturmer

Bill to: SR WMD Send Results to: KES Time Samples Received: 10:30 Return Cooler? Yes ☐ No ☐

Analyze for: Fluorescein ☒ Eosine ☐ Rhodamine WT ☐ Other ☐ Send results to: ACS Ship cooler to: ACS

[illegible]

Bug Bott - 1 B/B = Back ground

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 1 OF 14 (006)

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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: Dawn Brown, Madison Blue Spring Trace Week No: 1 Samples Collected By: Pete B. H. / KES Staff

Samples Shipped By: Pete B. H. / KES Samples Received By: Q. Starnum

Date Samples Shipped: 5/17/04 Date Samples Received: 5/18/04 Time Samples Received: 12:30 Return Cooler? Yes No

Bill to: SRUMO Send Results to: KES

Analyte for: Fluorescein X Eosine Rhodamine WT Other Ship cooler to:

OAL use only		Please indicate stations where dye was visible in the field for field technician use - use black ink only										OAL use only
# CHAR REC'D	LAB NUMBER	STATION NUMBER 1-4 Number	STATION NAME	PLACED DATE	PLACED TIME	COLLECTED DATE	COLLECTED TIME	WATER RECD				
1		3	Charcoal Samples			5/12	14:30	5/13	21:40	0		
1		3	Pot Spring (Deep)			5/12	14:30	5/14	17:10	0		
1		3	" (Shallow)			5/13	21:40	5/14	17:10	0		
1		3	" (Deep)			5/14	17:10	5/16	16:06	0		
1		3	" (Shallow)			5/14	17:10	5/16	16:06	0		
0	118822	3	Water Samples									
0	118823	3	Pot Spring					5/13	19:45	1		
0	118824	3	"					5/13	21:40	1		
0	118825	3	"					5/14	10:40	1		
0	118826	3	"					5/14	17:10	1		
			"					5/16	16:06	1		

COMMENTS: DYE RELEASED - 5/12/04 @ 17:45 Please Run all Samples GSP at 100%

This sheet must be submitted to **FAST ENVIRONMENTAL SERVICES INC.** No X Charts for samples on this page proofed by OAL: ma

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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: OPS Multiscreen Blue Spine Trans Week No: 1 Samples Collected By: Peltz, A.H./KES SA, DF

Samples Shipped By: Peter Batt/KHLS Samples Received By: Dr. Steinhilber

Date Samples Shipped: <u>5/17/04</u>	Date Samples Received: <u>5/18/04</u>	Time Samples Received: <u>12:30</u>	Return Cooler? ☒ Yes	No
--------------------------------------	---------------------------------------	-------------------------------------	--	----

Date Samples Received: 2/11/04 Time Samples Received: 10:30
 Bill to: SRWMD Send Results to: _____
 Return Cooler? Yes ☐ No ☐

Analyze for: Fluorescein ☒ Eosine ☐ Rhodamine WT ☐ Other ☐ Ship cooler to: _____

Ship cooler to:

OIL use only		Please indicate stations where dye was visible in the field for field technician use - use black ink only					OIL use only	
# CHAS REC'D	LAB NUMBER WATER	STATION NUMBER 14 numbers	STATION NAME	PLACED		COLLECTED		WATER REC'D
				DATE	TIME	DATE	TIME	
			Chloroal Samples					
1		21	W.R. U/S of Landing	5/12	15:25	5/14	14:18	0
1		21	W.R. U/S of Landing	5/14	14:18	5/16	14:57	0
1		22	W.R. D/S of Corbett Spring	5/12	12:47	5/16	13:11	0
1		23	W.R. U/S of Pott Spring	5/14	11:48	5/16	16:09	0
			Water Samples:					
0		21	W.R. U/S of Landing	-	-	5/12	15:25	1
0		21	W.R. U/S of Landing	-	-	5/14	14:18	1
0		21	W.R. U/S of Landing	-	-	5/16	14:57	1
0		22	W.R. D/S of Corbett Spring	-	-	5/12	12:47	1
0		22	W.R. D/S of Corbett Spring	-	-	5/16	13:11	1
0		23	W.R. U/S of Pott Spring	-	-	5/14	11:48	1
0		23	W.R. U/S of Pott Spring	-	-	5/16	16:09	1
0		200	Tumblers Forest Well #4	-	-	5/14	12:26	1

COMMENTS: U.R. - within coocher River D/S. Dam from U/S - up stream

KARST ENVIRONMENTAL
This sheet filed with the court: Yes ☒ No ☐ Charts for samples on this page provided by OIL: WYVU-4
SERVICES INC. 2773 S. Pennsylvania 6/3/96 10000

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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: D5 Madison Blue Spring Trace Week No:
 Project: D5 Madison Blue Spring Trace Week No:

Samples Shipped By: KES/Kate B. ST 0

Date Samples Shipped: 5/17/04 Date Samples Received: 5/18/04 Time Samples Received: 12:30 Return Cooler? ☒ Yes ☐ No

Bill to: 52WMD Time samples received: 5/12/07 Time samples returned: 5/21/07 Return Cooler? Yes ☐ No ☒

Sand Sample for

Analyze for: Fluorescein ☒ Eosin ☒ Rhodamine WT ☐ Other ☐ Ship cooler to: _____

QUL use only	<u>Please indicate stations where dye was visible in the field</u>
-----------------	--

Please indicate stations where dye was visible in the field for field technician use - use black ink only

[illegible]

COMMENTS: Anne Sanders taken to monitor. Askave from the National Forest.

KARST ENVIRONMENTAL FIELD & DEPLOYMENT COMMITTEE

This sheet **REPLACES** ☒ Yes ☐ No ☐ Charts for samples on this case provided by OIT. *Art. No. A*

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Page 11 of 11 (00L) *amylase*
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Protein, MO 65733
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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: O/S Madison Blue Spring Trace

Samples Shipped By: Pete But / PBT	Samples Received By: J. S. Montoya
---------------------------------------	------------------------------------

Date Samples Shipped:	5/17/04	Date Samples Received:	5/18/04	Time Samples Received:	12:30	Return Cooler?	Yes	No
-----------------------	---------	------------------------	---------	------------------------	-------	----------------	-----	----

Bill to: SLWARD 000

Analyze for:	Fluorescein	Eosine	Rhodamine	WT	Other
	☒	☐	☐	☐	☐

Ship cooler for:

100

Please indicate stations where dye was visible in the field
for field technician use - use black ink only

[illegible]

CONCLUSIONS

KARST ENVIRONMENTAL

**This sheet should be kept by the patient. You
may have to show it to your doctor.**

5779 NE County Rd. 340

High Springs, FL 32643

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Page 7 of 14 (cont.)

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Analyzed 5/24/04 by meera
Reviewed by: meera Date: 5/24/04

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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: DOWNSTREAM MADISON BLUE SPRING TRACE Week No: 2 Samples Collected By: KES Staff
 Samples Shipped By: Peter Butcher Samples Received By: M. Redinger -ouc
 Date Samples Shipped: 5 / 24 / 04 Date Samples Received: 5/25/04 Time Samples Received: 10:22 Return Cooler? Yes No
 Bill to: SRWMD Send Results to: KES
 Analyze for: Fluorocetin ☒ Eosine ☐ Rhodamine WT ☐ Other ☐ Ship cooler to: ☐

[illegible]

COMMENTS: ~~image~~ Highlighted Sections per P. Butte's Instructions

THE KARSTEN ENVIRONMENTAL SERVICES INC.
5779 NE County Rd. 340
High Springs, FL 32643
(386) 454-3356 • FAX (386) 454-3541

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Project 604 Page 1 of 6 Rec'd by OUL
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SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: DOWNSTREAM MADISON BLUE SPRING TRACE Week No: 2 Samples Collected By: KES Staff

Samples Shipped By: Peter But/KES Samples Received By: Margaret Radinger - due

Date Samples Shipped: 5 / 24 / 04 Date Samples Received: 5 / 25 / 04 Time Samples Received: 12 : 20 Return Cooler? Yes ☐ No ☐

Bill to: SRWMD Send Results to: KES

Analyze for: Fluorescein ☒ Eosine ☐ Rhodamine WT ☐ Other ☐ Skin cooler to: ☐

Analyze for:	Fluorescein <u>X</u>	Eosine	Rhodamine WT	Other	Shim order to:

Please indicate stations where dye was visible in the field
for field technician use - use black ink only

OUL use only		Please indicate stations where dye was visible in the field for field technician use - use black ink only										OUL use only	
# CHAN BUCK	LAB NUMBER	STATION NUMBER 1-4 Number	STATION NAME	PLACED		COLLECTED		WATER RECD	OUL				
				Zone DATE	TIME	Zone DATE	TIME						
			Chesed Saphers										
1	N8970	2C	Body Tube Spring	5/16	15:46	5/19	12:47	0					
1	N8971	2C	" "	5/19	12:47	5/23	15:37	0					
1	N8972	2C	Bluff Spring C vent	5/16	15:31	5/19	13:20	0					
1	N8973	2D	Bluff Spring D vent	5/16	15:26	5/19	13:25	0					
1	N8974	2D	" "	5/19	13:25	5/23	15:13	0					
			Water Saphers										
0		2C	Body Tube Spring	-	-	5/19	12:47						
0		2C	" "	-	-	5/23	15:37						
0		2C	Bluff Spring C vent	-	-	5/19	13:20						
0		2C	" "	-	-	5/23	15:20						
0		2D	Bluff Spring D vent	-	-	5/19	13:25						
0		2D	" "	-	-	5/23	15:13						

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THE ENVIRONMENTAL

SERVICES INC.

770 NE County Rd 240

[illegible]

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Future definitions of Rev. Rul. 85-59

OZARK UNDERGROUND LABORATORY, INC.
1572 Alay Lane Proctor, MO 65733 (417) 785-4339 fax (417) 785-4390 email: oul@ozlab.net
SAMPLE COLLECTION DATA SHEET FOR FLUORESCENCE ANALYSIS

Project: DOWNSTREAM MADISON BLUE SPRING TRACE Week No: 2 Samples Collected By: KES Staff
Samples Shipped By: Peter Buti/KES Samples Received By: Margaret Rickinger - OUL
Date Samples Shipped: 5/24/04 Date Samples Received: 5/25/04 Time Samples Received: 12:22 Return Cooler? Yes No
Bill to: SRWMD Send Results to: KES
Analyze for: Fluorescein X Eosine Rhodamine WT Other Ship cooler to:

OUL use only			Please indicate stations where dye was visible in the field for field technician use - use black ink only				OUL use only	
# CHARTS EACH	LAB NUMBER	STATION NUMBER (4 numbers)	STATION NAME	PLACED DATE	TIME	COLLECTED DATE	TIME	# WATER RECD
	<u>000000</u>		<u>Channel Samples</u>					
1	<u>W3975</u>	<u>2A</u>	<u>Bluff Spring A vent</u>	<u>5/16</u>	<u>15:40</u>	<u>5/19</u>	<u>13:08</u>	<u>0</u>
1	<u>W3976</u>	<u>2A</u>	<u>" "</u>	<u>5/19</u>	<u>13:08</u>	<u>5/23</u>	<u>15:29</u>	<u>0</u>
1	<u>W3977</u>	<u>2B</u>	<u>Bluff Spring B vent</u>	<u>5/16</u>	<u>15:35</u>	<u>5/19</u>	<u>13:15</u>	<u>0</u>
1	<u>W3978</u>	<u>2B</u>	<u>" "</u>	<u>5/19</u>	<u>13:15</u>	<u>5/23</u>	<u>15:25</u>	<u>0</u>
1	<u>W3979</u>	<u>19</u>	<u>Madison Blue Spring</u>	<u>5/16</u>	<u>17:20</u>	<u>5/19</u>	<u>10:45</u>	<u>0</u>
1		<u>19</u>	<u>" "</u>	<u>5/19</u>	<u>10:45</u>	<u>5/23</u>	<u>17:03</u>	<u>0</u>
			<u>water sampler</u>					
0		<u>2A</u>	<u>Bluff Spring A vent</u>	<u>-</u>	<u>-</u>	<u>5/19</u>	<u>13:08</u>	<u>1</u>
0		<u>2A</u>	<u>" "</u>	<u>-</u>	<u>-</u>	<u>5/23</u>	<u>15:29</u>	<u>1</u>
0		<u>2B</u>	<u>Bluff Spring B vent</u>	<u>-</u>	<u>-</u>	<u>5/19</u>	<u>13:15</u>	<u>1</u>
0		<u>2B</u>	<u>" "</u>	<u>-</u>	<u>-</u>	<u>5/23</u>	<u>15:25</u>	<u>1</u>
0		<u>19</u>	<u>Madison Blue Spring</u>	<u>-</u>	<u>-</u>	<u>5/19</u>	<u>10:45</u>	<u>1</u>
0		<u>19</u>	<u>" "</u>	<u>-</u>	<u>-</u>	<u>5/23</u>	<u>17:03</u>	<u>1</u>

COMMENTS:

Channel Blank N2970

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Day Bluff A-2

OZARK UNDERGROUND LABORATORY, INC.

1571 Alley Lane Proctor, MO 65703 (417) 785-4289 fax (417) 785-4290 email: oul@karst-lab.com

SAMPLE COLLECTION DATA SHEET FOR FLUORESCENCE ANALYSIS

Project: DOWNSTREAM MADISON BLUE SPRING TRACE Week No: 2 Samples Collected By: KES Staff
 Samples Shipped By: Peter Beitz/KES Samples Received By: Margaret Pickinger
 Date Samples Shipped: 5/24/04 Date Samples Received: 5/25/04 Time Samples Received: 12:22 Return Cooler? Yes No
 Bill to: SRWMD Send Results to: KES
 Analyze for: Fluorescein X Eosine Rhodamine WT Other Ship cooler to:

OUL use only		Please indicate stations where dye was visible in the field for field technician use - use black ink only				OUL use only	
# CHAS REC'D	LAB NUMBER (OUL only)	STATION NUMBER (Lab Number)	STATION NAME	PLACED DATE	TIME	COLLECTED DATE	TIME
1	W8981	7	Chardal Springs	5/16	12:23	5/23	12:12
1	W8982	8	Owl Eyes Spring	5/16	12:35	5/23	12:24
1	W8983	9	Margans Spring	5/16	12:40	5/23	12:27
1	W8984	10	Chaplain Spring	5/16	12:51	5/23	12:47
1	W8985	11	Rabbit Hole Spring	5/16	13:02	5/23	12:57
1	W8986	12	The Grack	5/16	13:07	5/23	13:05
0			Carbett Spring				
0			water samples				
0		7	Owl Eyes Spring	-	-	5/23	12:12
0		8	Margans Spring	-	-	5/23	12:21
0		9	Chaplain Spring	-	-	5/23	12:27
0		10	Rabbit Hole Spring	-	-	5/23	12:47
0		11	The Grack	-	-	5/23	12:57
0		12	Carbett Spring	-	-	5/23	13:05

COMMENTS:

KARST ENVIRONMENTAL SERVICES, INC.

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Backover-2

OZARK UNDERGROUND LABORATORY, INC.
 1573 Alley Lane Preston, MO 63733 (417) 785-4289 fax (417) 785-4390 email: ozark@uolab.net

SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: DOWNSTREAM MADISON BLUE SPRING TRACE Week No: 2 Samples Collected By: KES Staff
 Samples Shipped By: Peter Butti/KES Samples Received By: Margaret Ridinger - OUL
 Date Samples Shipped: 5 / 24 / 04 Date Samples Received: 5/25/04 Time Samples Received: 12:12 Return Cooler? Yes No
 Bill to: SRWMD Send Results to: KES
 Analyze for: Fluorescein X Eosine Rhodamine WT Other Ship cooler to:

OUL use only		Please indicate stations where dye was visible in the field for field technician use - use black ink only				OUL use only	
# CHAS RECTO	LAB NUMBER	STATION NUMBER	STATION NAME	PLACED DATE	TIME	COLLECTED DATE	TIME
1		20	Chert sample	5/16	17:12	5/19	10:50
1		20	W.R. U/S of Mad. Blue Spring	5/19	10:50	5/23	17:02
1		21	" " " "	5/16	14:57	5/19	14:13
1		21	W.R. U/S of Landing	5/19	14:13	5/23	14:45
1	18989	22	W.R. U/S of Carbett Spring	5/16	13:41	5/23	13:08
1	18988	23	W.R. U/S of Pott Spring	5/16	16:09	5/19	12:06
1		23	" " " "	5/19	12:06	5/23	16:15
0			Water Samples				
0		20	W.R. U/S of Mad Blue Spring	-	-	5/19	10:50
0		20	" " " "	-	-	5/23	17:02
0		21	W.R. U/S of Landing	-	-	5/19	14:13
0		21	" " " "	-	-	5/23	14:45
0		22	W.R. U/S of Carbett Spring	-	-	5/23	13:08
0		23	W.R. U/S of Pott Spring	-	-	5/19	12:06
0		23	" " " "	-	-	5/23	16:15

COMMENTS:

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1572 Hwy Lane, Potosi, MO 65703 (417) 735-4389 fax (417) 735-4390 email: oel@ot-lab.net

SAMPLE COLLECTION DATA SHEET FOR FLUORESCENCE ANALYSIS

Project: DOWSTREAM MADISON BLUE SPRING TRACE Week No: 2 Samples Collected By: KES Staff
 Samples Shipped By: Peter Butcher Samples Received By: M. Ridinger - OUL
 Date Samples Shipped: 5 / 24 / 04 Date Samples Received: 5/25/04 Time Samples Received: 12:22 Return Cooler? Yes No
 Bill to: SRMMD Send Results to: KES
 Analyze for: Fluorescein X Eosine Other Ship cooler to: Other

#	OUL use only	LAB NUMBER	STATION NUMBER I-L Number	STATION NAME		PLACED		COLLECTED		WATER RECD
						DATE	TIME	DATE	TIME	
1				Special samples		5/16	11:20	5/19	11:15	0
1				Tanner spring		5/19	11:15	5/23	11:18	0
1				Snake Spring		5/16	11:40	5/23	11:29	0
1				Bare line spring		5/16	11:53	5/23	11:42	0
				water samples						
0	W3991	4		Tanner spring		-	-	5/19	11:15	1
0	W3992	4		"		-	-	5/23	11:18	1
0	W3993	5		Snake spring		-	-	5/23	11:29	1
0		6		Bare line spring		-	-	5/23	11:42	1

COMMENTS:

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OZARK UNDERGROUND LABORATORY, INC.

1571 Alley Lane, Prosser, MO 65753 (417) 785-4289 Fax (417) 785-4290 email: ou@ou-lab.com

SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

Project: DOWNSTREAM MADISON BLUE SPRING TRACE Week No: 2 Samples Collected By: KES Staff
 Samples Shipped By: Peter Buttkes Samples Received By: Margaret Rodriguez - OUL
 Date Samples Shipped: 5/24/04 Date Samples Received: 5/25/04 Time Samples Received: 2:26 Return Cooler? Yes No
 Bill to: SRWMD Send Results to: KES
 Analyze for: Fluorescein X Estire Rhodamine WT Other Ship cooler to:

OUL use only		Please indicate stations where dye was visible in the field for field technician use - use black ink only				OUL use only	
FOUR DIGIT	LAP NUMBER	STATION NUMBER	STATION NAME	PLACED DATE	TIME	COLLECTED DATE	TIME
1	1000	200	Chloral samples	5/16	15:46	5/19	12:47
1	1000	200	Body Tube Spring	5/19	12:47	5/23	15:37
1	1000	200	Bluff Spring C vent	5/16	15:26	5/19	13:20
1	1000	200	Bluff Spring D vent	5/16	15:26	5/19	13:25
1	1000	200	" " "	5/19	13:25	5/23	15:13
0	1000	200	Water samples				
0	1000	200	Body Tube Spring	-	-	5/19	12:47
0	1000	200	" " "	-	-	5/23	15:37
0	1000	200	Bluff Spring C vent	-	-	5/19	13:20
0	1000	200	" " "	-	-	5/23	15:20
0	1000	200	Bluff Spring D vent	-	-	5/19	13:25
0	1000	200	" " "	-	-	5/23	15:13

COMMENTS:

Water Blank at 13000

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 by me
 5/27/04
 Richard Marshall, Inc. Rev. 8/99

04 BT-2

Project: DOWNSTREAM MADISON BLUE SPRING TRACE Week No: 2 Samples Collected By: KES Staff
 Samples Shipped By: Peter Buttkes Samples Received By: Margaret Rudinger
 Date Samples Shipped: 5 / 24 / 04 Date Samples Received: 5 / 25 / 04 Time Samples Received: 12:22 Return Cooler? Yes
 Bill to: SRWMD Send Results to: KES
 Analyze for: Fluorescein X Endline Rhodamine WT Other Ship cooler to:

OZARK UNDERGROUND LABORATORY, INC.
 1572 Abby Lane Proctor, MO 65733 (417) 782-4289 Fax (417) 782-4290 email: oul@art-lab.net

SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS

DATE use only		Please indicate stations where dye was visible in the field for field technician use - use black ink only									
# CHAS SERVO	LAB NUMBER WATER	STATION NUMBER L-1 Number	STATION NAME	PLACED		COLLECTED		WATER SERVO	DATE	TIME	REMARKS
				DATE	TIME	DATE	TIME				
1		7	Charcoal Samples	5/16	12:23	5/23	12:12	0			
1		8	Owl Eyes Spring	5/16	12:35	5/23	12:23	0			
1		9	Margans Spring	5/16	12:40	5/23	12:27	0			
1		10	Chaplain Spring	5/16	12:51	5/23	12:47	0			
1		11	Rabbit Hole Spring	5/16	13:02	5/23	12:57	0			
1		12	Die Creek	5/16	13:07	5/23	13:05	0			
0		7	Carter's Spring								
0		8	water samples								
0		9	Owl Eyes Spring	-	-	5/23	12:12	1			
0		10	Margans Spring	-	-	5/23	12:12	1			
0	N3042	9	Chaplain Spring	-	-	5/23	12:27	1			
0		10	(dye in charcoal)								
0		11	Rabbit Hole Spring	-	-	5/23	12:47	1			
0		12	Die Creek	-	-	5/23	12:57	1			
0	N3043	12	Carter's Spring	-	-	5/23	13:05	1			
			(dye in charcoal - none)								

COMMENTS:

KARST ENVIRONMENTAL

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Dr. L. W. 2

1572 Alay Lane
Proctor, MO 65733 (417) 785-4399 fax (417) 785-4394 email: oel@el-lab.com

OZARK UNDERGROUND LABORATORY, INC.

SAMPLE COLLECTION DATA SHEET FOR FLUORESCENCE ANALYSIS

Project: DOWNSTREAM MADISON BLUE SPRING TRACE Week No: 2 Samples Collected By: KES Staff
 Samples Shipped By: Peter Butkies Samples Received By: Maureen Redinger - OUL
 Date Samples Shipped: 5 / 24 / 04 Date Samples Received: 5/25/04 Time Samples Received: 12:22 Return Cooler? Yes No
 Bill to: SRVMD Send Results to: KES
 Analyze for: Fluorescein X Eosine 1 Rhodamine WT Other Ship cooler to:

# COLLECTED	LAB NUMBER	STATION NUMBER	STATION NAME	PLACED		COLLECTED		OUL use only
				DATE	TIME	DATE	TIME	
1		20	Chamber Sample	5/16	17:12	5/19	10:50	0
1		20	W.R. U/S of Mad. Blue Spring	5/19	10:50	5/23	17:02	0
1		21	" " "	5/16	14:57	5/19	14:13	0
1		21	W.R. U/S of Landing	5/19	14:13	5/23	14:45	0
1		22	" " "	5/16	13:44	5/23	13:08	0
1		22	W.R. U/S of Carbett Spring	5/16	16:09	5/19	12:06	0
1		23	W.R. U/S of Potl Spring	5/16	16:09	5/19	12:06	0
1		23	" " "	5/19	12:06	5/23	16:15	0
0			Water Samples					
0		20	W.R. U/S of Mad Blue Spring	-	-	5/19	10:50	1
0		20	" " "	-	-	5/23	17:02	1
0		21	W.R. U/S of Landing	-	-	5/19	14:13	1
0		21	" " "	-	-	5/23	14:45	1
0	N3044	22	W.R. U/S of Carbett Spring	-	-	5/23	13:08	1
0		23	W.R. U/S of Potl Spring	-	-	5/19	12:06	1
0		23	" " "	-	-	5/23	16:15	1

COMMENTS:

KARST ENVIRONMENTAL SERVICES INC.
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Log W.R. - 2

