



1975 W. 100 N., Suite C  
Angola, IN 46703  
Phone: 260-624-2401  
Website: [www.sandhillenviro.com](http://www.sandhillenviro.com)

July 17, 2019

Aquatic Enhancement & Survey, Inc  
Scott Banfield  
PO Box 1036  
Angola, IN 46703

RE: SCLC

Dear Scott Banfield:

Sandhill Environmental Services, LLC received 25 samples for the analyses presented in the following report.

In accordance with your instructions, Sandhill conducted the analysis shown on the following pages on the samples submitted. Unless otherwise noted, all analysis was conducted using approved methodologies from the EPA, Standard Methods, or other client-specified methods. All relevant sampling information is on the attached chain-of-custody form. Any reports containing subcontracted testing will be at the end of this report.

Certifications/Accreditation: IN# C-76-01 IN# M-76-09

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Natalie McGill  
Laboratory Director  
1975 W. 100 N., Suite C  
Angola, IN 46703

# ANALYTICAL REPORT



1975 West 100 North, Ste. C  
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**Client:** Aquatic Enhancement & Survey, Inc  
**Attn:** Scott Banfield  
**Project:** SCLC

**Key:**  
DL Detection Limit  
PL Permit Limit  
SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 53

Collection Date: 07/01/2019, 8:58

Lab ID #: 33071

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	20.1	MPN/100mL	1.0		07/01/2019, 15:35
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.232	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: A. Cruz</b>
	3.2	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: K. Kershner</b>
	7.07	pH units			07/01/2019, 14:12

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Sample ID: 17

Collection Date: 07/01/2019, 9:16

Lab ID #: 33072

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>					<b>Analyst: N. McGill</b>
	< 1.0	MPN/100mL	1.0		07/01/2019, 15:35
<b>Total Phosphorus</b>					<b>Analyst: N. McGill</b>
	0.029	Hach 10210, E365.1 & E365.3 Equivalent mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>					<b>Analyst: A. Cruz</b>
	2.2	SM2540D mg/L	2.0		07/02/2019, 10:24
<b>pH</b>					<b>Analyst: K. Kershner</b>
	8.54	SM4500H-B pH units			07/01/2019, 14:14

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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 54

Collection Date: 07/01/2019, 9:51

Lab ID #: 33073

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	325.4	MPN/100mL	1.3		07/01/2019, 15:35
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.104	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: A. Cruz</b>
	< 2.0	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: K. Kershner</b>
	7.23	pH units			07/01/2019, 14:15

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Sample ID: 50

Collection Date: 07/01/2019, 10:39

Lab ID #: 33074

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	1,399.9	MPN/100mL	1.3		07/01/2019, 15:35
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.132	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: A. Cruz</b>
	10.7	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: K. Kershner</b>
	7.49	pH units			07/01/2019, 14:16

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Sample ID: 62

Collection Date: 07/01/2019, 10:56

Lab ID #: 33075

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	1,989.0	MPN/100mL	10.0		07/01/2019, 15:35
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.161	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: A. Cruz</b>
	7.2	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: K. Kershner</b>
	7.98	pH units			07/01/2019, 14:19

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Sample ID: 65

Collection Date: 07/01/2019, 11:30

Lab ID #: 33076

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	967.5	MPN/100mL	5.0		07/01/2019, 15:35
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.187	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: A. Cruz</b>
	30	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: K. Kershner</b>
	7.90	pH units			07/01/2019, 14:20

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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 69

Collection Date: 07/01/2019, 11:44

Lab ID #: 33077

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>			<b>SM9223B</b>		<b>Analyst: N. McGill</b>
	1,306.5	MPN/100mL	5.0		07/01/2019, 15:35
<b>Total Phosphorus</b>			<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>		<b>Analyst: N. McGill</b>
	0.209	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>			<b>SM2540D</b>		<b>Analyst: A. Cruz</b>
	29	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>			<b>SM4500H-B</b>		<b>Analyst: K. Kershner</b>
	7.88	pH units			07/01/2019, 14:22



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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 68

Collection Date: 07/01/2019, 11:44

Lab ID #: 33078

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	471.8	MPN/100mL	2.0		07/01/2019, 15:35
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.144	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: A. Cruz</b>
	23	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: K. Kershner</b>
	7.84	pH units			07/01/2019, 14:24

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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 70

Collection Date: 07/01/2019, 12:20

Lab ID #: 33079

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>			<b>SM9223B</b>		<b>Analyst: N. McGill</b>
	776.5	MPN/100mL	5.0		07/01/2019, 15:35
<b>Total Phosphorus</b>			<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>		<b>Analyst: N. McGill</b>
	0.109	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>			<b>SM2540D</b>		<b>Analyst: A. Cruz</b>
	13.7	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>			<b>SM4500H-B</b>		<b>Analyst: K. Kershner</b>
	7.72	pH units			07/01/2019, 14:24

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**Key:**  
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Sample ID: 73

Collection Date: 07/01/2019, 12:42

Lab ID #: 33080

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	920.8	MPN/100mL	1.0		07/01/2019, 15:35
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.385	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: A. Cruz</b>
	22	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: K. Kershner</b>
	7.38	pH units			07/01/2019, 14:26

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Sample ID: 71

Collection Date: 07/01/2019, 12:52

Lab ID #: 33081

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	1,454.5	MPN/100mL	5.0		07/01/2019, 15:35
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.218	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: A. Cruz</b>
	21	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: K. Kershner</b>
	7.78	pH units			07/01/2019, 14:26

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**Key:**  
DL Detection Limit  
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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 61

Collection Date: 07/01/2019, 13:14

Lab ID #: 33082

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>					<b>Analyst: N. McGill</b>
	1,203.3	MPN/100mL	1.0		07/01/2019, 15:35
<b>Total Phosphorus</b>					<b>Analyst: N. McGill</b>
	0.174	mg/L	0.022		07/01/2019, 15:55
<b>Total Suspended Solids</b>					<b>Analyst: A. Cruz</b>
	8.1	mg/L	2.0		07/02/2019, 10:24
<b>pH</b>					<b>Analyst: K. Kershner</b>
	7.91	pH units			07/01/2019, 14:27

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DL Detection Limit  
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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 52

Collection Date: 07/02/2019, 8:49

Lab ID #: 33152

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>					<b>Analyst: A. Cruz</b>
	3,244.0	MPN/100mL	1.0		07/03/2019, 16:13
	<i>Analyses performed out of hold time; result is suspect.</i>				
<b>Total Phosphorus</b>					<b>Analyst: N. McGill</b>
	0.305	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>					<b>Analyst: K. Kershner</b>
	9.0	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>					<b>Analyst: A. Cruz</b>
	7.68	pH units			07/02/2019, 14:37

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Sample ID: 45

Collection Date: 07/02/2019, 9:14

Lab ID #: 33153

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>					<b>Analyst: N. McGill</b>
	1,827.0	MPN/100mL	5.0		07/02/2019, 15:15
<b>Total Phosphorus</b>					<b>Analyst: N. McGill</b>
	0.146	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>					<b>Analyst: K. Kershner</b>
	38	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>					<b>Analyst: A. Cruz</b>
	7.66	pH units			07/02/2019, 14:40

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DL Detection Limit  
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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 58

Collection Date: 07/02/2019, 9:37

Lab ID #: 33154

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	461.1	MPN/100mL	1.0		07/02/2019, 15:15
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.103	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: K. Kershner</b>
	14.8	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: A. Cruz</b>
	7.86	pH units			07/02/2019, 14:43



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Sample ID: 59

Collection Date: 07/02/2019, 9:57

Lab ID #: 33155

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	261.3	MPN/100mL	1.0		07/02/2019, 15:15
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.157	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: K. Kershner</b>
	30	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: A. Cruz</b>
	7.78	pH units			07/02/2019, 14:45

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Sample ID: 48

Collection Date: 07/02/2019, 10:24

Lab ID #: 33156

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	101.7	MPN/100mL	1.0		07/02/2019, 15:15
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.022	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: K. Kershner</b>
	< 2.0	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: A. Cruz</b>
	7.95	pH units			07/02/2019, 14:47

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Sample ID: 47

Collection Date: 07/02/2019, 11:07

Lab ID #: 33157

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	235.9	MPN/100mL	1.0		07/02/2019, 15:15
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.076	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: K. Kershner</b>
	3.6	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: A. Cruz</b>
	7.92	pH units			07/02/2019, 14:49

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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 64

Collection Date: 07/02/2019, 11:20

Lab ID #: 33158

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	461.1	MPN/100mL	1.0		07/02/2019, 15:15
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.125	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: K. Kershner</b>
	9.3	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: A. Cruz</b>
	7.85	pH units			07/02/2019, 14:50

# ANALYTICAL REPORT



1975 West 100 North, Ste. C  
Angola, IN 46703  
Phone: 260-624-2401  
www.sandhillenviro.com

**Client:** Aquatic Enhancement & Survey, Inc  
**Attn:** Scott Banfield  
**Project:** SCLC

**Key:**  
DL Detection Limit  
PL Permit Limit  
SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 63

Collection Date: 07/02/2019, 11:40

Lab ID #: 33159

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>					<b>Analyst: N. McGill</b>
	55.4	MPN/100mL	1.0		07/02/2019, 15:15
<b>Total Phosphorus</b>					<b>Analyst: N. McGill</b>
	0.079	Hach 10210, E365.1 & E365.3 Equivalent mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>					<b>Analyst: K. Kershner</b>
	2.4	SM2540D mg/L	1.0		07/08/2019, 10:05
<b>pH</b>					<b>Analyst: A. Cruz</b>
	7.87	SM4500H-B pH units			07/02/2019, 14:52

# ANALYTICAL REPORT



1975 West 100 North, Ste. C  
Angola, IN 46703  
Phone: 260-624-2401  
www.sandhillenviro.com

**Client:** Aquatic Enhancement & Survey, Inc  
**Attn:** Scott Banfield  
**Project:** SCLC

**Key:**  
DL Detection Limit  
PL Permit Limit  
SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 43

Collection Date: 07/02/2019, 12:36

Lab ID #: 33160

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	920.8	MPN/100mL	1.0		07/02/2019, 15:15
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.032	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: K. Kershner</b>
	5.1	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: A. Cruz</b>
	8.21	pH units			07/02/2019, 14:54

# ANALYTICAL REPORT



1975 West 100 North, Ste. C  
Angola, IN 46703  
Phone: 260-624-2401  
www.sandhillenviro.com

**Client:** Aquatic Enhancement & Survey, Inc  
**Attn:** Scott Banfield  
**Project:** SCLC

**Key:**  
DL Detection Limit  
PL Permit Limit  
SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 33

Collection Date: 07/02/2019, 12:54

Lab ID #: 33161

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	435.2	MPN/100mL	1.0		07/02/2019, 15:15
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.047	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: K. Kershner</b>
	8.0	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: A. Cruz</b>
	8.15	pH units			07/02/2019, 14:56

# ANALYTICAL REPORT



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Angola, IN 46703  
Phone: 260-624-2401  
www.sandhillenviro.com

**Client:** Aquatic Enhancement & Survey, Inc  
**Attn:** Scott Banfield  
**Project:** SCLC

**Key:**  
DL Detection Limit  
PL Permit Limit  
SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 34

Collection Date: 07/02/2019, 13:04

Lab ID #: 33162

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	770.1	MPN/100mL	1.0		07/02/2019, 15:15
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.123	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: K. Kershner</b>
	< 2.0	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: A. Cruz</b>
	7.77	pH units			07/02/2019, 14:57



# ANALYTICAL REPORT



1975 West 100 North, Ste. C  
Angola, IN 46703  
Phone: 260-624-2401  
www.sandhillenviro.com

**Client:** Aquatic Enhancement & Survey, Inc  
**Attn:** Scott Banfield  
**Project:** SCLC

**Key:**  
DL Detection Limit  
PL Permit Limit  
SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 44

Collection Date: 07/02/2019, 13:18

Lab ID #: 33163

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	686.7	MPN/100mL	1.0		07/02/2019, 15:15
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.058	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: K. Kershner</b>
	45	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: A. Cruz</b>
	7.49	pH units			07/02/2019, 14:58

# ANALYTICAL REPORT



1975 West 100 North, Ste. C  
Angola, IN 46703  
Phone: 260-624-2401  
www.sandhillenviro.com

**Client:** Aquatic Enhancement & Survey, Inc  
**Attn:** Scott Banfield  
**Project:** SCLC

**Key:**  
DL Detection Limit  
PL Permit Limit  
SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 42

Collection Date: 07/02/2019, 13:32

Lab ID #: 33164

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
<b>E.coli</b>				<b>SM9223B</b>	<b>Analyst: N. McGill</b>
	589.0	MPN/100mL	5.0		07/02/2019, 15:15
<b>Total Phosphorus</b>				<b>Hach 10210, E365.1 &amp; E365.3 Equivalent</b>	<b>Analyst: N. McGill</b>
	0.122	mg/L	0.022		07/02/2019, 15:50
<b>Total Suspended Solids</b>				<b>SM2540D</b>	<b>Analyst: K. Kershner</b>
	5.1	mg/L	1.0		07/08/2019, 10:05
<b>pH</b>				<b>SM4500H-B</b>	<b>Analyst: A. Cruz</b>
	7.74	pH units			07/02/2019, 15:00

# CHAIN OF CUSTODY RECORD



**Sandhill Environmental Services, LLC.**

1975 West 100 North, Ste. C  
Angola, IN 46703

Turn Time: <input type="checkbox"/> Standard <input type="checkbox"/> Rush- Report by Date: _____ Rush turn times will incur a surcharge and must be pre-approved by the lab.	Matrix Code: DW-Drinking Water WW-Wastewater STW- Stormwater SW- Surface water
--	--

Client Information		Billing Information (if different)		PO Number:
Company Name:	Aquatic Enhancement, Inc.	same		Project Name/Number:
Contact Name:	Scott Banfield			SCLC
Address:	P.O. Box 1036			Sampler's Signature:
City, State, Zip:	Angola, IN 46703			Laboratory Number(s):
Phone:	260-665-8226			33071-33079
Fax:				Preferred Method of Correspondence:
E-mail:	sbanfield@aquaticenhancement.com			E-mail

Sample ID/ Description	Collection Information			Container			Requested Test										Comments			
	Date	Time	Grab or Composite Matrix	Quantity	Type p=plastic g=glass v=vial	Pres.	TSS, pH, T Phos	E.coli												
53	7-1-1	8:58 <sup>A</sup>	G SW	2	p	u/so	x	x												
17		9:16 <sup>A</sup>	G SW	2	p	u/so	x	x												
54		9:51 <sup>A</sup>	G SW	2	p	u/so	x	x												
50		10:39 <sup>A</sup>	G SW	2	p	u/so	x	x												
62		10:56 <sup>A</sup>	G SW	2	p	u/so	x	x												
65		11:30 <sup>A</sup>	G SW	2	p	u/so	x	x												
69		11:44 <sup>A</sup>	G SW	2	p	u/so	x	x												
68		12:04 <sup>P</sup>	G SW	2	p	u/so	x	x												
70		12:20 <sup>P</sup>	G SW	2	p	u/so	x	x												

Relinquished By	Date/Time	Received By	Date/Time
Tyler Harrington	7/1/19, 1350	Natalie McQueen	7/1/19, 1350

Temp. upon Receipt:	Preservation Code:
4.0 °C	N HNO <sub>3</sub> / Nitric Acid      U - Unpreserved, Cooled to 4°C
Or	S H <sub>2</sub> SO <sub>4</sub> / Sulfuric Acid      OH NaOH / Sodium Hydroxide
< 2hrs old	H = HCl / Hydrochloric Acid      SO = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> / Sodium Thiosulfate

# CHAIN OF CUSTODY RECORD



**Sandhill Environmental Services, LLC.**

1975 West 100 North, Ste. C  
Angola, IN 46703

Turn Time:

Standard

Rush- Report by Date: \_\_\_\_\_

Rush turn times will incur a surcharge and must be pre-approved by the lab.

Matrix Code:

DW-Drinking Water

WW-Wastewater

STW- Stormwater

SW- Surface water

<b>Client Information</b>		<b>Billing Information (if different)</b>			<b>PO Number:</b>	
Company Name:	Aquatic Enhancement, Inc.	same			Project Name/Number:	
Contact Name:	Scott Banfield				SCLC	
Address:	P.O. Box 1036				Sampler's Signature: <i>[Signature]</i>	
City, State, Zip:	Angola, IN 46703				Laboratory Number(s): 33080-33082	
Phone:	260-665-8226				Preferred Method of Correspondence:	
Fax:					E-mail	
E-mail:	sbanfield@aquaticenhancement.com					

Sample ID/ Description	Collection Information		Container			Requested Test										Comments						
	Date	Time	Grab or Composite Matrix	Quantity	Type p=plastic g=glass v=vial	Pres.	TSS, pH, T Phos	E.coli														
73	7-1-19	12:42 <sup>P</sup>	G	SW	2	p	u/so	x	x													
71	↓	12:52 <sup>P</sup>	G	SW	2	p	u/so	x	x													
61		1:14 <sup>P</sup>	G	SW	2	p	u/so	x	x													
		G	SW	2	p	u/so	x	x														
		G	SW	2	p	u/so	x	x														
		G	SW	2	p	u/so	x	x														
		G	SW	2	p	u/so	x	x														
		G	SW	2	p	u/so	x	x														
		G	SW	2	p	u/so	x	x														

<b>Relinquished By</b>	<b>Date/Time</b>	<b>Received By</b>	<b>Date/Time</b>	<b>Temp. upon Receipt:</b>	<b>Preservation Code:</b>
Taylor Harrington	7/1/19, 1350	Natalie McGee	7/1/19, 1350	_____ °C	N HNO <sub>3</sub> / Nitric Acid U - Unpreserved. Cooled to 4°C S H <sub>2</sub> SO <sub>4</sub> / Sulfuric Acid OH NaOH / Sodium Hydroxide H = HCl / Hydrochloric Acid SO = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> / Sodium Thiosulfate
				Or	
				<u>&lt; 2hrs old</u>	

# CHAIN OF CUSTODY RECORD



**Sandhill Environmental Services, LLC.**

1975 West 100 North, Ste. C  
Angola, IN 46703

Turn Time:

Standard

Rush- Report by Date: \_\_\_\_\_

Rush turn times will incur a surcharge and must be pre-approved by the lab.

Matrix Code:

DW-Drinking Water

WW-Wastewater

STW- Stormwater

SW- Surface water

<b>Client Information</b>		<b>Billing Information (if different)</b>		PO Number:
Company Name:	Aquatic Enhancement, Inc.	same		Project Name/Number:
Contact Name:	Scott Banfield			SCLC
Address:	P.O. Box 1036			Sampler's Signature:
City, State, Zip:	Angola, IN 46703			Laboratory Number(s):
Phone:	260-665-8226			33152-33160
Fax:				Preferred Method of Correspondence:
E-mail:	sbanfield@aquaticenhancement.com			E-mail

Sample ID/ Description	Collection Information			Container			Requested Test										Comments			
	Date	Time	Grab or Composite Matrix	Quantity	Type p=plastic g=glass v=vial	Pres.	TSS, pH, T Phos	E.coli												
52	7-2	8:49	G SW	2	p	u/so	X	X												
45		9:14	G SW	2	p	u/so	X	X												
58		9:37	G SW	2	p	u/so	X	X												
59		9:57	G SW	2	p	u/so	X	X												
48		10:24	G SW	2	p	u/so	X	X												
47		11:07	G SW	2	p	u/so	X	X												
64		11:20	G SW	2	p	u/so	X	X												
63		11:40	G SW	2	p	u/so	X	X												
43		12:36	G SW	2	p	u/so	X	X												

Relinquished By:	Date/Time:	Received By:	Date/Time:	Temp. upon Receipt:	Preservation Code:
<i>[Signature]</i>	7/2/19, 1410	<i>[Signature]</i>	7/2/19, 1410	7.3 °C	N HNO <sub>3</sub> / Nitric Acid S H <sub>2</sub> SO <sub>4</sub> / Sulfuric Acid H = HCl / Hydrochloric Acid U - Unpreserved, Cooled to 4°C OH NaOH / Sodium Hydroxide SO = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> / Sodium Thiosulfate
				Or	
				< 2hrs old	

# CHAIN OF CUSTODY RECORD



**Sandhill Environmental Services, LLC.**

1975 West 100 North, Ste. C  
Angola, IN 46703

Turn Time:

Standard

Rush- Report by Date: \_\_\_\_\_

Rush turn times will incur a surcharge and must be pre-approved by the lab.

Matrix Code:

DW-Drinking Water

WW-Wastewater

STW- Stormwater

SW- Surface water

<b>Client Information</b>		<b>Billing Information (if different)</b>		PO Number:
Company Name:	Aquatic Enhancement, Inc.	same		Project Name/Number:
Contact Name:	Scott Banfield			SCLC
Address:	P.O. Box 1036			Sampler's Signature: <i>John Wright</i>
City, State, Zip:	Angola, IN 46703			Laboratory Number(s): 33161-33164
Phone:	260-665-8226			Preferred Method of Correspondence:
Fax:				E-mail
E-mail:	sbanfield@aquaticenhancement.com			

Sample ID/ Description	Collection Information			Container			Requested Test										Comments				
	Date	Time	Grab or Composite Matrix	Quantity	Type p=plastic g=glass v=vial	Pres.	TSS, pH, T Phos	E.coli													
33	7-2	12:54	G SW	2	p	u/so	X X														
34	7-2	1:04	G SW	2	p	u/so	X X														
44	7-2	1:18	G SW	2	p	u/so	X X														
42	↓	1:32	G SW	2	p	u/so	X X														
			G SW	2	p	u/so	X X														
			G SW	2	p	u/so	X X														
			G SW	2	p	u/so	X X														
			G SW	2	p	u/so	X X														

Relinquished By: <i>John Wright</i>	Date/Time: 7/2/19, 1410	Received By: <i>John Wright</i>	Date/Time: 7/2/19, 1410	Temp. upon Receipt: _____ °C	Preservation Code:
				Or	N = HNO <sub>3</sub> / Nitric Acid
				< 2hrs old	U - Unpreserved, Cooled to 4°C
					S = H <sub>2</sub> SO <sub>4</sub> / Sulfuric Acid
					OH = NaOH / Sodium Hydroxide
					H = HCl / Hydrochloric Acid
					SO = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> / Sodium Thiosulfate