



1975 W. 100 N., Suite C
Angola, IN 46703
Phone: 260-624-2401
Website: www.sandhillenviro.com

May 21, 2019

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

RE: SCLC

Dear Scott Banfield:

Sandhill Environmental Services, LLC received 58 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
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: 61

Collection Date: 05/08/2019, 12:46

Lab ID #: 31753

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	688.8	MPN/100mL	2.5		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.174	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	9.8	mg/L	1.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	7.84	pH units			05/08/2019, 13:48
Conductivity				SM2520B	Analyst: K. Kershner
	472	µS/cm	0.01		05/08/2019, 14:24

ANALYTICAL REPORT



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Key:
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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 71

Collection Date: 05/08/2019, 12:14

Lab ID #: 31754

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli			SM9223B		Analyst: N. McGill
	179.5	MPN/100mL	5.0		05/08/2019, 15:35
Total Phosphorus			Hach 10210, E365.1 & E365.3 Equivalent		Analyst: N. McGill
	0.123	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids			SM2540D		Analyst: K. Kershner
	9.0	mg/L	1.0		05/09/2019, 9:30
pH			SM4500H-B		Analyst: K. Kershner
	7.91	pH units			05/08/2019, 13:49
Conductivity			SM2520B		Analyst: K. Kershner
	434	µS/cm	0.01		05/08/2019, 14:28

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Sample ID: 73

Collection Date: 05/08/2019, 12:02

Lab ID #: 31755

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	378.4	MPN/100mL	1.0		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.185	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	12	mg/L	1.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	7.87	pH units			05/08/2019, 13:50
Conductivity				SM2520B	Analyst: K. Kershner
	326	μS/cm	0.01		05/08/2019, 14:31

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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 70

Collection Date: 05/08/2019, 11:41

Lab ID #: 31756

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli			SM9223B		Analyst: N. McGill
	371.5	MPN/100mL	5.0		05/08/2019, 15:35
Total Phosphorus			Hach 10210, E365.1 & E365.3 Equivalent		Analyst: N. McGill
	0.084	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids			SM2540D		Analyst: K. Kershner
	5.5	mg/L	1.0		05/09/2019, 9:30
pH			SM4500H-B		Analyst: K. Kershner
	7.66	pH units			05/08/2019, 13:52
Conductivity			SM2520B		Analyst: K. Kershner
	518	µS/cm	0.01		05/08/2019, 14:47

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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 69

Collection Date: 05/08/2019, 11:30

Lab ID #: 31757

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	160.0	MPN/100mL	10.0		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.127	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	5.8	mg/L	1.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	7.85	pH units			05/08/2019, 13:53
Conductivity				SM2520B	Analyst: K. Kershner
	504	µS/cm	0.01		05/08/2019, 14:54

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Sample ID: 65

Collection Date: 05/08/2019, 11:07

Lab ID #: 31758

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	126.0	MPN/100mL	20.0		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.120	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	5.2	mg/L	2.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	7.89	pH units			05/08/2019, 13:56
Conductivity				SM2520B	Analyst: K. Kershner
	506	µS/cm	0.01		05/08/2019, 14:58

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Sample ID: 62

Collection Date: 05/08/2019, 10:38

Lab ID #: 31759

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	313.0	MPN/100mL	10.0		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.106	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	6.0	mg/L	2.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	7.97	pH units			05/08/2019, 13:57
Conductivity				SM2520B	Analyst: K. Kershner
	465	μS/cm	0.01		05/08/2019, 14:59

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Key:
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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 50

Collection Date: 05/08/2019, 10:24

Lab ID #: 31760

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	157.4	MPN/100mL	1.3		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.068	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	3.9	mg/L	1.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	7.55	pH units			05/08/2019, 13:58
Conductivity				SM2520B	Analyst: K. Kershner
	586	μS/cm	0.01		05/08/2019, 15:08

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Sample ID: 45

Collection Date: 05/08/2019, 10:10

Lab ID #: 31761

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	37.5	MPN/100mL	5.0		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.075	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	7.8	mg/L	1.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	7.63	pH units			05/08/2019, 14:00
Conductivity				SM2520B	Analyst: K. Kershner
	461	µS/cm	0.01		05/08/2019, 15:10

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Key:
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Sample ID: 52

Collection Date: 05/08/2019, 9:40

Lab ID #: 31762

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	231.3	MPN/100mL	1.3		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.148	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	2.7	mg/L	1.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	7.70	pH units			05/08/2019, 14:01
Conductivity				SM2520B	Analyst: K. Kershner
	519	µS/cm	0.01		05/08/2019, 15:21

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Sample ID: 54

Collection Date: 05/08/2019, 9:25

Lab ID #: 31763

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	355.6	MPN/100mL	1.4		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.064	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	1.6	mg/L	1.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	7.19	pH units			05/08/2019, 14:03
Conductivity				SM2520B	Analyst: K. Kershner
	316	µS/cm	0.01		05/08/2019, 15:12

ANALYTICAL REPORT



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

Sample ID: 17

Collection Date: 05/08/2019, 9:12

Lab ID #: 31764

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	< 1.0	MPN/100mL	1.0		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.021	mg/L	0.022		05/08/2019, 16:50
	<i>Below quantitation limit. Result is suspect..</i>				
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	< 1.0	mg/L	1.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	8.31	pH units			05/08/2019, 14:04
Conductivity				SM2520B	Analyst: K. Kershner
	359	µS/cm	0.01		05/08/2019, 15:22

ANALYTICAL REPORT



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

Sample ID: 53

Collection Date: 05/08/2019, 8:35

Lab ID #: 31765

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	36.4	MPN/100mL	1.0		05/08/2019, 15:35
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.373	mg/L	0.022		05/08/2019, 16:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	20.5	mg/L	2.0		05/09/2019, 9:30
pH				SM4500H-B	Analyst: K. Kershner
	7.00	pH units			05/08/2019, 14:06
Conductivity				SM2520B	Analyst: K. Kershner
	316	μS/cm	0.01		05/08/2019, 15:23

ANALYTICAL REPORT



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

Sample ID: 58

Collection Date: 05/09/2019, 8:50

Lab ID #: 31795

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	54.5	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.105	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	12	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.69	pH units			05/09/2019, 15:13
Conductivity				SM2520B	Analyst: K. Kershner
	510	µS/cm	0.01		05/09/2019, 15:36

ANALYTICAL REPORT



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Key:
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Sample ID:59

Collection Date: 05/09/2019, 9:13

Lab ID #: 31796

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	53.7	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.117	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	21	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.67	pH units			05/09/2019, 15:15
Conductivity				SM2520B	Analyst: K. Kershner
	574	µS/cm	0.01		05/09/2019, 15:24

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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 48

Collection Date: 05/09/2019, 9:40

Lab ID #: 31797

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	4.1	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.029	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	2.0	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	8.00	pH units			05/09/2019, 15:19
Conductivity				SM2520B	Analyst: K. Kershner
	489	µS/cm	0.01		05/09/2019, 15:33

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

Sample ID: 47

Collection Date: 05/09/2019, 10:10

Lab ID #: 31799

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	52.0	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.059	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	4.4	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.85	pH units			05/09/2019, 15:20
Conductivity				SM2520B	Analyst: K. Kershner
	486	µS/cm	0.01		05/09/2019, 15:34

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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 64

Collection Date: 05/09/2019, 10:24

Lab ID #: 31800

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	104.6	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.075	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	7.1	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.73	pH units			05/09/2019, 15:22
Conductivity				SM2520B	Analyst: K. Kershner
	542	µS/cm	0.01		05/09/2019, 16:01

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SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 42

Collection Date: 05/09/2019, 10:52

Lab ID #: 31801

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	66.0	MPN/100mL	5.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.122	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	7.5	mg/L	2.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.65	pH units			05/09/2019, 15:24
Conductivity				SM2520B	Analyst: K. Kershner
	591	µS/cm	0.01		05/09/2019, 16:04

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PL Permit Limit
SUB (as analyst) work sub-contracted by Sandhill

Sample ID: 44

Collection Date: 05/09/2019, 11:10

Lab ID #: 31802

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	60.2	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.044	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	3.6	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.34	pH units			05/09/2019, 15:30
Conductivity				SM2520B	Analyst: K. Kershner
	714	µS/cm	0.01		05/09/2019, 15:56

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Key:
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PL Permit Limit
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Sample ID: 33

Collection Date: 05/09/2019, 11:14

Lab ID #: 31803

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	44.8	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.055	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	5.3	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.84	pH units			05/09/2019, 15:32
Conductivity				SM2520B	Analyst: K. Kershner
	551	µS/cm	0.01		05/09/2019, 15:58

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Key:
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Sample ID: 34

Collection Date: 05/09/2019, 11:36

Lab ID #:31804

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	155.3	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.095	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	3.8	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.69	pH units			05/09/2019, 15:37
Conductivity				SM2520B	Analyst: K. Kershner
	590	µS/cm	0.01		05/09/2019, 16:22

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Key:
DL Detection Limit
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Sample ID: 43

Collection Date: 05/09/2019, 11:56

Lab ID #: 31805

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	78.0	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.048	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	4.4	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	8.02	pH units			05/09/2019, 15:39
Conductivity				SM2520B	Analyst: K. Kershner
	590	µS/cm	0.01		05/09/2019, 16:16

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Key:
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Sample ID: 46

Collection Date: 05/09/2019, 12:38

Lab ID #: 31806

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	101.9	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.045	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	3.1	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.4	pH units			05/09/2019, 15:49
Conductivity				SM2520B	Analyst: K. Kershner
	570	µS/cm	0.01		05/09/2019, 16:09

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Key:
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Sample ID: 39

Collection Date: 05/09/2019, 12:54

Lab ID #: 31807

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	23.1	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	< 0.007	mg/L	0.022		05/09/2019, 16:45
	<i>Below quantitation limit. Result is suspect..</i>				
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	3.0	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	8.46	pH units			05/09/2019, 15:50
Conductivity				SM2520B	Analyst: K. Kershner
	413	µS/cm	0.01		05/09/2019, 16:08

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Key:
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Sample ID: 72

Collection Date: 05/09/2019, 13:24

Lab ID #: 31808

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	816.4	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.360	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	92	mg/L	2.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.32	pH units			05/09/2019, 15:52
Conductivity				SM2520B	Analyst: K. Kershner
	425	µS/cm	0.01		05/09/2019, 16:16

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Key:
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Sample ID: 67

Collection Date: 05/09/2019, 13:40

Lab ID #: 31809

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	38.3	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.042	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	2.1	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	8.17	pH units			05/09/2019, 15:53
Conductivity				SM2520B	Analyst: K. Kershner
	430	µS/cm	0.01		05/09/2019, 16:26

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Key:
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Sample ID: 38

Collection Date: 05/09/2019, 13:59

Lab ID #: 31810

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	195.6	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.027	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	1.4	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	7.91	pH units			05/09/2019, 15:55
Conductivity				SM2520B	Analyst: K. Kershner
	429	µS/cm	0.01		05/09/2019, 16:27

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Key:
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PL Permit Limit
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Sample ID: 24

Collection Date: 05/09/2019, 14:20

Lab ID #: 31811

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	25.9	MPN/100mL	1.0		05/09/2019, 16:0
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.042	mg/L	0.022		05/09/2019, 16:45
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	1.3	mg/L	1.0		05/10/2019, 9:15
pH				SM4500H-B	Analyst: K. Kershner
	8.01	pH units			05/09/2019, 16:00
Conductivity				SM2520B	Analyst: K. Kershner
	535	µS/cm	0.01		05/09/2019, 16:29

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Key:
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Sample ID: 1

Collection Date: 05/10/2019, 8:37

Lab ID #: 31866

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	44.1	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.123	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	38	mg/L	2.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.43	pH units			05/10/2019, 14:51
Conductivity				SM2520B	Analyst: K. Kershner
	473	µS/cm	0.01		05/10/2019, 14:58

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Key:
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Sample ID: 2

Collection Date: 05/10/2019, 9:23

Lab ID #: 31867

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	48.7	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.110	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	36	mg/L	2.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.66	pH units			05/10/2019, 14:53
Conductivity				SM2520B	Analyst: K. Kershner
	521	µS/cm	0.01		05/10/2019, 15:10

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Key:
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Sample ID: 3

Collection Date: 05/10/2019, 9:33

Lab ID #: 31868

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	21.8	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.082	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	15	mg/L	1.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.75	pH units			05/10/2019, 14:56
Conductivity				SM2520B	Analyst: K. Kershner
	469	µS/cm	0.01		05/10/2019, 15:11

ANALYTICAL REPORT



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Key:
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Sample ID: 4

Collection Date: 05/10/2019, 9:59

Lab ID #: 31869

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	41.4	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.103	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	19	mg/L	1.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.67	pH units			05/10/2019, 14:57
Conductivity				SM2520B	Analyst: K. Kershner
	486	µS/cm	0.01		05/10/2019, 15:15

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Key:
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Sample ID: 5

Collection Date: 05/10/2019, 10:06

Lab ID #: 31870

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	58.6	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.090	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	13	mg/L	1.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.64	pH units			05/10/2019, 14:57
Conductivity				SM2520B	Analyst: K. Kershner
	515	µS/cm	0.01		05/10/2019, 15:23

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Key:
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Sample ID: 6

Collection Date: 05/10/2019, 10:28

Lab ID #: 31871

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	55.6	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.144	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	35	mg/L	2.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.60	pH units			05/10/2019, 14:58
Conductivity				SM2520B	Analyst: K. Kershner
	519	µS/cm	0.01		05/10/2019, 15:24

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Key:
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Sample ID: 7

Collection Date: 05/10/2019, 10:40

Lab ID #: 31872

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	78.9	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.146	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	31	mg/L	2.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.61	pH units			05/10/2019, 15:01
Conductivity				SM2520B	Analyst: K. Kershner
	587	µS/cm	0.01		05/10/2019, 15:19

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Key:
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Sample ID: 8

Collection Date: 05/10/2019, 11:14

Lab ID #: 31873

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	70.3	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.136	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	32	mg/L	2.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.69	pH units			05/10/2019, 15:06
Conductivity				SM2520B	Analyst: K. Kershner
	591	µS/cm	0.01		05/10/2019, 15:31

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Key:
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Sample ID: 9

Collection Date: 05/10/2019, 11:33

Lab ID #: 31874

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	29.8	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.082	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	6.8	mg/L	1.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.66	pH units			05/10/2019, 15:07
Conductivity				SM2520B	Analyst: K. Kershner
	546	µS/cm	0.01		05/10/2019, 15:34

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Key:
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Sample ID: 10

Collection Date: 05/10/2019, 11:42

Lab ID #: 31875

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	18.7	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.089	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	12	mg/L	1.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.62	pH units			05/10/2019, 15:09
Conductivity				SM2520B	Analyst: K. Kershner
	618	µS/cm	0.01		05/10/2019, 15:47

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Key:
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Sample ID: 11

Collection Date: 05/10/2019, 12:11

Lab ID #: 31876

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	28.5	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.089	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	10.5	mg/L	1.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.69	pH units			05/10/2019, 15:14
Conductivity				SM2520B	Analyst: K. Kershner
	548	µS/cm	0.01		05/10/2019, 15:52

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Key:
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Sample ID: 12

Collection Date: 05/10/2019, 12:20

Lab ID #: 31877

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	22.8	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.085	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	6.4	mg/L	1.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.66	pH units			05/10/2019, 15:18
Conductivity				SM2520B	Analyst: K. Kershner
	530	µS/cm	0.01		05/10/2019, 15:54

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: 13

Collection Date: 05/10/2019, 12:50

Lab ID #: 31878

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	13.2	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.072	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	5.6	mg/L	1.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.77	pH units			05/10/2019, 15:19
Conductivity				SM2520B	Analyst: K. Kershner
	505	µS/cm	0.01		05/10/2019, 15:55

ANALYTICAL REPORT



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

Sample ID: 16

Collection Date: 05/10/2019, 13:46

Lab ID #: 31879

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	30.9	MPN/100mL	1.0		05/10/2019, 16:00
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.058	mg/L	0.022		05/10/2019, 14:40
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	6.2	mg/L	1.0		05/13/2019, 9:05
pH				SM4500H-B	Analyst: K. Kershner
	7.85	pH units			05/10/2019, 15:20
Conductivity				SM2520B	Analyst: K. Kershner
	538	µS/cm	0.01		05/10/2019, 15:56

ANALYTICAL REPORT



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

Sample ID: 40

Collection Date: 05/14/2019, 8:15

Lab ID #: 31915

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	< 1.0	MPN/100mL	1.0		05/14/2019, 13:40
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.024	mg/L	0.022		05/14/2019, 13:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	< 1.0	mg/L	1.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	8.34	pH units			05/14/2019, 12:21
Conductivity				SM2520B	Analyst: K. Kershner
	430	µS/cm	0.01		05/14/2019, 13:15

ANALYTICAL REPORT



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

Sample ID: 29

Collection Date: 05/14/2019, 8:44

Lab ID #: 31916

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	3.1	MPN/100mL	1.0		05/14/2019, 13:40
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.023	mg/L	0.022		05/14/2019, 13:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	1.6	mg/L	1.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	8.22	pH units			05/14/2019, 12:22
Conductivity				SM2520B	Analyst: K. Kershner
	537	µS/cm	0.01		05/14/2019, 13:16

ANALYTICAL REPORT



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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: 32

Collection Date: 05/14/2019, 9:20

Lab ID #: 31917

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	12.2	MPN/100mL	1.0		05/14/2019, 13:40
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.014	mg/L	0.022		05/14/2019, 13:50
	<i>Below quantitation limit. Result is suspect..</i>				
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	2.3	mg/L	1.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	8.21	pH units			05/14/2019, 12:23
Conductivity				SM2520B	Analyst: K. Kershner
	464	µS/cm	0.01		05/14/2019, 13:18

ANALYTICAL REPORT



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Client: Aquatic Enhancement & Survey, Inc
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Project: SCLC

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

Sample ID: 31

Collection Date: 05/14/2019, 9:32

Lab ID #: 31918

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	70.3	MPN/100mL	1.0		05/14/2019, 13:40
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.028	mg/L	0.022		05/14/2019, 13:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	1.4	mg/L	1.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	7.90	pH units			05/14/2019, 12:25
Conductivity				SM2520B	Analyst: K. Kershner
	463	µS/cm	0.01		05/14/2019, 13:19

ANALYTICAL REPORT



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

Sample ID: 30

Collection Date: 05/14/2019, 9:41

Lab ID #: 31919

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	17.3	MPN/100mL	1.0		05/14/2019, 13:40
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.027	mg/L	0.022		05/14/2019, 13:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	1.9	mg/L	1.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	7.93	pH units			05/14/2019, 12:26
Conductivity				SM2520B	Analyst: K. Kershner
	463	µS/cm	0.01		05/14/2019, 13:20

ANALYTICAL REPORT



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

Sample ID: 37

Collection Date: 05/14/2019, 9:53

Lab ID #: 31920

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	18.9	MPN/100mL	1.0		05/14/2019, 13:40
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.039	mg/L	0.022		05/14/2019, 13:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	2.6	mg/L	1.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	8.24	pH units			05/14/2019, 12:28
Conductivity				SM2520B	Analyst: K. Kershner
	549	µS/cm	0.01		05/14/2019, 13:21

ANALYTICAL REPORT



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

Sample ID: 25

Collection Date: 05/14/2019, 10:29

Lab ID #: 31921

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli					Analyst: N. McGill
	8.6	MPN/100mL	1.0		05/14/2019, 13:40
Total Phosphorus					Analyst: N. McGill
	0.023	Hach 10210, E365.1 & E365.3 Equivalent mg/L	0.022		05/14/2019, 13:50
Total Suspended Solids					Analyst: K. Kershner
	1.8	SM2540D mg/L	1.0		05/16/2019, 11:15
pH					Analyst: K. Kershner
	8.12	SM4500H-B pH units			05/14/2019, 12:30
Conductivity					Analyst: K. Kershner
	430	SM2520B μ S/cm	0.01		05/14/2019, 13:22

ANALYTICAL REPORT



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

Sample ID: 22

Collection Date: 05/14/2019, 10:46

Lab ID #: 31922

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli					Analyst: N. McGill
	< 1.0	MPN/100mL	1.0		05/14/2019, 13:40
Total Phosphorus					Analyst: N. McGill
	0.043	Hach 10210, E365.1 & E365.3 Equivalent mg/L	0.022		05/14/2019, 13:50
Total Suspended Solids					Analyst: K. Kershner
	1.2	mg/L	1.0		05/16/2019, 11:15
pH					Analyst: K. Kershner
	7.68	pH units			05/14/2019, 12:31
Conductivity					Analyst: K. Kershner
	615	μ S/cm	0.01		05/14/2019, 13:23

ANALYTICAL REPORT



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

Sample ID: 66

Collection Date: 05/14/2019, 11:06

Lab ID #: 31923

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	47.1	MPN/100mL	1.0		05/14/2019, 13:40
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.134	mg/L	0.022		05/14/2019, 13:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	1.0	mg/L	1.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	8.07	pH units			05/14/2019, 12:32
Conductivity				SM2520B	Analyst: K. Kershner
	1,083	µS/cm	0.01		05/14/2019, 13:25

ANALYTICAL REPORT



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

Sample ID: 21

Collection Date: 05/14/2019, 11:40

Lab ID #: 31924

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	< 1.0	MPN/100mL	1.0		05/14/2019, 13:40
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.032	mg/L	0.022		05/14/2019, 13:50
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	< 2.0	mg/L	2.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	7.84	pH units			05/14/2019, 12:34
Conductivity				SM2520B	Analyst: K. Kershner
	581	µS/cm	0.01		05/14/2019, 13:27

ANALYTICAL REPORT



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

Sample ID: 14

Collection Date: 05/14/2019, 12:40

Lab ID #: 31937

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	4.1	MPN/100mL	1.0		05/14/2019, 15:25
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.064	mg/L	0.022		05/14/2019, 16:05
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	9.3	mg/L	1.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	7.90	pH units			05/14/2019, 14:46
Conductivity				SM2520B	Analyst: K. Kershner
	541	µS/cm	0.01		05/14/2019, 15:22

ANALYTICAL REPORT



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

Sample ID: 15

Collection Date: 05/14/2019, 12:55

Lab ID #: 31938

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	4.1	MPN/100mL	1.0		05/14/2019, 15:25
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.059	mg/L	0.022		05/14/2019, 16:05
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	4.8	mg/L	2.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	8.00	pH units			05/14/2019, 14:46
Conductivity				SM2520B	Analyst: K. Kershner
	523	µS/cm	0.01		05/14/2019, 15:23

ANALYTICAL REPORT



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

Sample ID: 27

Collection Date: 05/14/2019, 13:46

Lab ID #: 31939

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	104.3	MPN/100mL	1.0		05/14/2019, 15:25
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.068	mg/L	0.022		05/14/2019, 16:05
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	7.3	mg/L	2.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	8.22	pH units			05/14/2019, 14:48
Conductivity				SM2520B	Analyst: K. Kershner
	530	µS/cm	0.01		05/14/2019, 15:25

ANALYTICAL REPORT



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

Sample ID: 28

Collection Date: 05/14/2019, 14:00

Lab ID #: 31940

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	206.4	MPN/100mL	1.0		05/14/2019, 15:25
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.047	mg/L	0.022		05/14/2019, 16:05
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	2.9	mg/L	1.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	8.43	pH units			05/14/2019, 14:49
Conductivity				SM2520B	Analyst: K. Kershner
	733	µS/cm	0.01		05/14/2019, 15:26

ANALYTICAL REPORT



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

Sample ID: 19

Collection Date: 05/14/2019, 14:18

Lab ID #: 31941

Collected By: Tyler Harrington

Analyses	Result	Units	DL	PL	Date/Time
E.coli				SM9223B	Analyst: N. McGill
	8.6	MPN/100mL	1.0		05/14/2019, 15:25
Total Phosphorus				Hach 10210, E365.1 & E365.3 Equivalent	Analyst: N. McGill
	0.054	mg/L	0.022		05/14/2019, 16:05
Total Suspended Solids				SM2540D	Analyst: K. Kershner
	5.8	mg/L	1.0		05/16/2019, 11:15
pH				SM4500H-B	Analyst: K. Kershner
	8.15	pH units			05/14/2019, 14:50
Conductivity				SM2520B	Analyst: K. Kershner
	647	µS/cm	0.01		05/14/2019, 15:27

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

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: <i>[Signature]</i>
City, State, Zip:	Angola, IN 46703			Laboratory Number(s): 31753-31761
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												
61	5/8/19	12:46 ^B	G	SW	2	p	u/so	X	X												
71		12:14 ^A	G	SW	2	p	u/so	X	X												
73		12:02 ^A	G	SW	2	p	u/so	X	X												
70		11:44 ^A	G	SW	2	p	u/so	X	X												
69		11:30 ^A	G	SW	2	p	u/so	X	X												
65		11:07 ^A	G	SW	2	p	u/so	X	X												
62		10:38 ^A	G	SW	2	p	u/so	X	X												
50		10:24 ^A	G	SW	2	p	u/so	X	X												
45		10:10 ^A	G	SW	2	p	u/so	X	X												

Relinquished By	Date/Time	Received By	Date/Time	Temp. upon Receipt:	Preservation Code:
Tyler Harrington	5/8/19 - 1:30	<i>[Signature]</i>	5/8/19, 1:30	6.5 °C	N = HNO ₃ / Nitric Acid U = Unpreserved, Cooled to 4°C S = H ₂ SO ₄ / Sulfuric Acid OH = NaOH / Sodium Hydroxide H = HCl / Hydrochloric Acid SO = Na ₂ S ₂ O ₃ / 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

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					31762-31765	
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	5/8/19	9:40 ^A	G	SW	2	p	u/so	x	x											
54		9:25 ^A	G	SW	2	p	u/so	x	x											
17		9:12 ^A	G	SW	2	p	u/so	x	x											
53		8:35 ^A	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	Date/Time	Received By	Date/Time	Temp. upon Receipt:	Preservation Code:
Tyler Harrington	5/8/19 1:30	<i>[Signature]</i>	5/8/19, 1:33	6.3 °C	N = HNO ₃ / Nitric Acid U = Unpreserved, Cooled to 4°C S = H ₂ SO ₄ / Sulfuric Acid OH = NaOH / Sodium Hydroxide H = HCl / Hydrochloric Acid SO = Na ₂ S ₂ O ₃ / 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

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: <i>[Signature]</i>
City, State, Zip:	Angola, IN 46703			Laboratory Number(s): 31795-31833
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										
58	5/9/19	8:50 ^A	G	SW	2	p	u/so	X	X										
59		9:13 ^A	G	SW	2	p	u/so	X	X										
48		9:40 ^A	G	SW	2	p	u/so	X	X										
63		10:05^A	G	SW	2	p	u/so	X	X										
47		10:10 ^A	G	SW	2	p	u/so	X	X										
64		10:24 ^A	G	SW	2	p	u/so	X	X										
42		10:52 ^A	G	SW	2	p	u/so	X	X										
44		11:10 ^A	G	SW	2	p	u/so	X	X										
33		11:14 ^A	G	SW	2	p	u/so	X	X										

Relinquished By <i>Tyler Harrington</i>	Date/Time 5/9/19 2:45	Received By <i>Walter Reser</i>	Date/Time 5/9/19, 1445	Temp. upon Receipt: 31.0 °C	Preservation Code:
				Or	N HNO ₃ / Nitric Acid
				< 2hrs old	S H ₂ SO ₄ / Sulfuric Acid
					H = HCl / Hydrochloric Acid
					U - Unpreserved, Cooled to 4°C
					OH NaOH / Sodium Hydroxide
					SO = Na ₂ S ₂ O ₃ / Sodium Thiosulfate

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
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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: <i>[Signature]</i>	
City, State, Zip:	Angola, IN 46703			Laboratory Number(s): 31804-31811	
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												
34	5/9/19	11:36 ^A	G SW	2	p	u/so	X	X												
43		11:56 ^A	G SW	2	p	u/so	X	X												
46		12:38 ^A	G SW	2	p	u/so	X	X												
39		12:54 ^P	G SW	2	p	u/so	X	X												
72		1:24 ^P	G SW	2	p	u/so	X	X												
67		1:40 ^P	G SW	2	p	u/so	X	X												
38		1:59 ^P	G SW	2	p	u/so	X	X												
24		2:20 ^P	G SW	2	p	u/so	X	X												
			G SW	2	p	u/so	X	X												

Relinquished By: <i>Tyler Harrington</i>	Date/Time: <i>5/9/19 2:45pm</i>	Received By: <i>Natalie McGuire</i>	Date/Time: <i>5/9/19, 1445</i>	Temp. upon Receipt: <i>3.0</i> °C	Preservation Code: N HNO ₃ / Nitric Acid U - Unpreserved, Cooled to 4°C S H ₂ SO ₄ / Sulfuric Acid OH NaOH / Sodium Hydroxide H = HCl / Hydrochloric Acid SO = Na ₂ S ₂ O ₃ / Sodium Thiosulfate
				Or	
				< 2hrs old	

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
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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: <i>[Signature]</i>
City, State, Zip:	Angola, IN 46703		Laboratory Number(s): 31866-31874
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												
1	5/10/19	8:37 ^A	G SW	2	p	u/so	X	X												
2		9:23 ^A	G SW	2	p	u/so	X	X												
3		9:33 ^A	G SW	2	p	u/so	X	X												
4		9:59 ^A	G SW	2	p	u/so	X	X												
5		10:06 ^A	G SW	2	p	u/so	X	X												
6		10:28 ^A	G SW	2	p	u/so	X	X												
7		10:40 ^A	G SW	2	p	u/so	X	X												
8		11:14 ^A	G SW	2	p	u/so	X	X												
9		11:33 ^A	G SW	2	p	u/so	X	X												

Relinquished By	Date/Time	Received By	Date/Time	Temp. upon Receipt:	Preservation Code:
<i>[Signature]</i> Tyler Harrington	5/10/19 1400	<i>[Signature]</i>	5/10/19 1406	9.8°C	N HNO ₃ / Nitric Acid S H ₂ SO ₄ / Sulfuric Acid H = HCl/ Hydrochloric Acid U - Unpreserved, Cooled to 4°C OH NaOH/ Sodium Hydroxide SO = Na ₂ S ₂ O ₃ / 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

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		31875-31879
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												
10	5/10/19	11:42 ^A	G SW	2	p	u/so	x	x												
11		12:11 ^P	G SW	2	p	u/so	x	x												
12		12:28 ^P	G SW	2	p	u/so	x	x												
13		12:50 ^P	G SW	2	p	u/so	x	x												
16		1:46 ^P	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	Date/Time	Received By	Date/Time	Temp. upon Receipt:	Preservation Code:
Tyler Harrington	5/10/19 2:06pm	Tyler Harrington	5/10/19, 1400	9.8 °C	N HNO ₃ / Nitric Acid U - Unpreserved, Cooled to 4°C S H ₂ SO ₄ / Sulfuric Acid OH NaOH / Sodium Hydroxide H = HCl / Hydrochloric Acid SO = Na ₂ S ₂ O ₃ / 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

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			31915 - 31923
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												
40	5/14/19	8:15	G SW	2	p	u/so	X	X												
29	5/14/19	8:44	G SW	2	p	u/so	X	X												
32		9:20 ^A	G SW	2	p	u/so	X	X												
31		9:32 ^A	G SW	2	p	u/so	X	X												
38 30		9:41 ^A	G SW	2	p	u/so	X	X												
37		9:53 ^A	G SW	2	p	u/so	X	X												
25		10:29 ^A	G SW	2	p	u/so	X	X												
22		10:46 ^A	G SW	2	p	u/so	X	X												
66		11:06 ^A	G SW	2	p	u/so	X	X												

Relinquished By	Date/Time	Received By	Date/Time	Temp. upon Receipt:	Preservation Code:
Tyler Hamington	5/14/19, 1207	hatherson	5/14/19, 1207	9.3 °C	N HNO ₃ / Nitric Acid U - Unpreserved, Cooled to 4°C S H ₂ SO ₄ / Sulfuric Acid OH NaOH / Sodium Hydroxide H = HCl / Hydrochloric Acid SO = Na ₂ S ₂ O ₃ / 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

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:
				<i>[Signature]</i>
City, State, Zip:	Angola, IN 46703			Laboratory Number(s):
Phone:	260-665-8226			31924
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												
21	5/14/19	11:40	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												
			G SW	2	p	u/so	X	X												
			G SW	2	p	u/so	X	X												

Relinquished By	Date/Time	Received By	Date/Time	Temp. upon Receipt:	Preservation Code:
Tyler Harrington	5/14/19 12:07	<i>[Signature]</i>	5/14/19, 12:07	_____ °C	N HNO ₃ / Nitric Acid
				Or	U - Unpreserved, Cooled to 4°C
				< 2hrs old	S H ₂ SO ₄ / Sulfuric Acid
					OII NaOH / Sodium Hydroxide
					H = HCl / Hydrochloric Acid
					SO = Na ₂ S ₂ O ₃ / 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

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				31937-31941	
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													
14	5/14/19	12:40pm	G SW	2	p	u/so	x	x													
15		12:52pm	G SW	2	p	u/so	x	x													
27		1:46pm	G SW	2	p	u/so	x	x													
28		2:00pm	G SW	2	p	u/so	x	x													
19		2:18pm	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	Date/Time	Received By	Date/Time	Temp. upon Receipt:	Preservation Code:
Tyler Harrington	5/14/19 2:40pm	Kathryn	5/14/19, 1:44	10.5 °C	N HNO ₃ / Nitric Acid U - Unpreserved, Cooled to 4°C S H ₂ SO ₄ / Sulfuric Acid OH NaOH/ Sodium Hydroxide H = HCl/ Hydrochloric Acid SO = Na ₂ S ₂ O ₃ / Sodium Thiosulfate
				Or	
				< 2hrs old	