RIVER A Leaders in Water 600 E Euclid A P.O. Box 8399	Avenue		Environme	oratory	Sen AP AC	CREDIES TNI RATORY				
210-302-3649					April 19, 2013		Page 1 of 2			
Mark Han	Client: Edwards Aquifer Authority Mark Hamilton 1615 N. Saint Mary's St.			This analytical report is intended exclusively for the individual or entity to which it is Recipient is not authorized to print or copy this report, except in full without written laboratory. If you have received this report in error, please notify the San Antonio						
San Anto	nio, TX 78215	Fax #:	210-222-9869							
Sample Location: Sample Number: Sample Matrix:	HSM 110 AA80047 Non Potable Water				Collection Date/Time: Receipt Date/Time:	4/16/13 4/16/13	09:35 13:30			

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted. For questions regarding this report, please contact David Hernandez, Laboratory Supervisor, at (210) 302-3669

Analysis identified with a " $\sqrt{}$ " complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

# ANALYTICAL RESULTS

							<b>Reporting</b>	QC Batch	Ana	lysis	
	<u>Analyses</u>	<b>NELAC</b>	Analysis Method	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Limit</u>	<u>Number</u>	Date	Time	<u>Analyst</u>
AA80047-A	E. coli	$\checkmark$	SM 9223B-2004	2	MPN/100 mL		1	34562	4/16/13	16:15	RSC
AA80047-A	E. Coli Holding Time - IDEXX Colilert		NA	6.67	hours		0.00	34561	4/16/13	16:15	RSC

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

Attachment 5

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4/19/2013 1:56:31PM



210-302-3649

**Environmental Sciences Department Laboratory** 

ANALYTICAL REPORT

Qualifier



Upper

---

April 19, 2013

**Acceptance Criteria** 

Target

Absent

Lower

---

Page 2 of 2

QC ANALYTICAL RESULTS E\_COLI\_QUANTITRAY-34562

QC Analyte Name Initial Blank for E. coli

QC Batch Name:

Result

Absent

Units

4/19/2013

Date

Jeanette Hernandez Water Quality Planner / QAO

-Jeanette K

A - Outside upper acceptance criteria

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

RIVER AU Leaders in Watershee 600 E Euclid Aver P.O. Box 839980	nue		Environme	aboratory	TNI Fregoratori	
San Antonio, TX 210-302-3649	78283-9980				April 19, 2013	Page 1 of 2
Client: Edwards Aqu Mark Hamilto 1615 N. Sair	on			This analytical report is intended exclus Recipient is not authorized to print or co laboratory. If you have received this rep	py this report, except in full without	written approval of the
San Antonio,	, TX 78215	Fax #:	210-222-9869			
	SM 120 A80048				Collection Date/Time: Receipt Date/Time:	4/16/13 10:00 4/16/13 13:30
•	on Potable Water				Neceipi Dale/Time.	4/10/13 13.30

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted. For questions regarding this report, please contact David Hernandez, Laboratory Supervisor, at (210) 302-3669

Analysis identified with a " $\sqrt{}$ " complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

# ANALYTICAL RESULTS

							<b>Reporting</b>	QC Batch	Ana	lysis	
	<u>Analyses</u>	NELAC	Analysis Method	<u>Result</u>	<u>Units</u>	<b>Qualifier</b>	<u>Limit</u>	<u>Number</u>	Date	Time	<u>Analyst</u>
AA80048-A	E. coli	$\checkmark$	SM 9223B-2004	22	MPN/100 mL		1	34562	4/16/13	16:15	RSC
AA80048-A	E. Coli Holding Time - IDEXX Colilert		NA	6.25	hours		0.00	34561	4/16/13	16:15	RSC

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

Attachment 5

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210-302-3649

**Environmental Sciences Department Laboratory** 

ANALYTICAL REPORT

Qualifier



Upper

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April 19, 2013

**Acceptance Criteria** 

Target

Absent

Lower

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Page 2 of 2

QC ANALYTICAL RESULTS E\_COLI\_QUANTITRAY-34562

QC Analyte Name Initial Blank for E. coli

QC Batch Name:

Result

Absent

Units

4/19/2013

Date

Jeanette Hernandez Water Quality Planner / QAO

-Jeanette K

A - Outside upper acceptance criteria

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

RIVER Leaders in Wat 600 E Euclid P.O. Box 839	9980		Environme	1	SLAP ACCREDIES TNI FREGRATORI			
San Antonio 210-302-364	, TX 78283-9980 19			Ар	oril 19, 2013		Page 1 of 2	
Mark Ha	s Aquifer Authority amilton Saint Mary's St.			This analytical report is intended exclusively for the indiv Recipient is not authorized to print or copy this report, ex laboratory. If you have received this report in error, pleas	xcept in full without v	written approv	al of the	
San Ant	onio, TX 78215	Fax #:	210-222-9869					
Sample Location:	HSM 130			Collectio	on Date/Time:	4/16/13	10:30	
Sample Number: Sample Matrix:	AA80049 Non Potable Water			Receipt [	Date/Time:	4/16/13	13:30	

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted. For questions regarding this report, please contact David Hernandez, Laboratory Supervisor, at (210) 302-3669

Analysis identified with a " $\sqrt{}$ " complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

# ANALYTICAL RESULTS

							<b>Reporting</b>	QC Batch	Ana	lysis	
	<u>Analyses</u>	<b>NELAC</b>	Analysis Method	<u>Result</u>	<u>Units</u>	<b>Qualifier</b>	<u>Limit</u>	<u>Number</u>	Date	Time	<u>Analyst</u>
AA80049-A	E. coli	$\checkmark$	SM 9223B-2004	99	MPN/100 mL		1	34562	4/16/13	16:15	RSC
AA80049-A	E. Coli Holding Time - IDEXX Colilert		NA	5.75	hours		0.00	34561	4/16/13	16:15	RSC

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

Attachment 5

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ANALYTICAL REPORT

Qualifier



Upper

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April 19, 2013

**Acceptance Criteria** 

Target

Absent

Lower

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Page 2 of 2

QC ANALYTICAL RESULTS E\_COLI\_QUANTITRAY-34562

QC Analyte Name Initial Blank for E. coli

QC Batch Name:

Result

Absent

Units

4/19/2013

Date

Jeanette Hernandez Water Quality Planner / QAO

-Jeanette K

A - Outside upper acceptance criteria

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

RIVER A Leaders in Water 600 E Euclid A P.O. Box 8399	Avenue 980		Environme	oratory	SUP ACCREDINE TNI FABORATORI	
San Antonio, 210-302-3649	TX 78283-9980				April 19, 2013	Page 1 of 2
Client: Edwards Mark Han 1615 N. S	•			This analytical report is intended exclusively Recipient is not authorized to print or copy t laboratory. If you have received this report	this report, except in full without w	written approval of the
San Anto	nio, TX 78215	Fax #:	210-222-9869			
Sample Location:	HSM 140				Collection Date/Time:	4/16/13 11:15
Sample Number: Sample Matrix:	AA80050 Non Potable Water				Receipt Date/Time:	4/16/13 13:30

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted. For questions regarding this report, please contact David Hernandez, Laboratory Supervisor, at (210) 302-3669

Analysis identified with a " $\sqrt{}$ " complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

# ANALYTICAL RESULTS

							<b>Reporting</b>	QC Batch	Ana	lysis	
	<u>Analyses</u>	<b>NELAC</b>	Analysis Method	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Limit</u>	<u>Number</u>	Date	Time	<u>Analyst</u>
AA80050-A	E. coli	$\checkmark$	SM 9223B-2004	93	MPN/100 mL		1	34562	4/16/13	16:15	RSC
AA80050-A	E. Coli Holding Time - IDEXX Colilert		NA	5.00	hours		0.00	34561	4/16/13	16:15	RSC

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

Attachment 5

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Qualifier



Upper

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April 19, 2013

**Acceptance Criteria** 

Target

Absent

Lower

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Page 2 of 2

QC ANALYTICAL RESULTS E\_COLI\_QUANTITRAY-34562

QC Analyte Name Initial Blank for E. coli

QC Batch Name:

Result

Absent

Units

4/19/2013

Date

Jeanette Hernandez Water Quality Planner / QAO

-Jeanette K

A - Outside upper acceptance criteria

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

A RIVER AL Leaders in Watershe 600 E Euclid Ave P.O. Box 839980	nue		Environmer	boratory				
San Antonio, TX 210-302-3649	78283-9980				April 19, 2013	Page 1 of		
Client: Edwards Aq Mark Hamilt			This analytical report is intended exclusivel Recipient is not authorized to print or copy					
1615 N. Sai				laboratory. If you have received this report				
San Antonio	, TX 78215	Fax #:	210-222-9869					
	SM 150 A80051				Collection Date/Time: Receipt Date/Time:	4/16/13 11:50 4/16/13 13:30		
•	on Potable Water				·			

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted. For questions regarding this report, please contact David Hernandez, Laboratory Supervisor, at (210) 302-3669

Analysis identified with a " $\sqrt{}$ " complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

# ANALYTICAL RESULTS

							<b>Reporting</b>	QC Batch	Ana	lysis	
	<u>Analyses</u>	<b>NELAC</b>	Analysis Method	<u>Result</u>	<u>Units</u>	<b>Qualifier</b>	<u>Limit</u>	<u>Number</u>	Date	Time	<u>Analyst</u>
AA80051-A	E. coli	$\checkmark$	SM 9223B-2004	63	MPN/100 mL		1	34562	4/16/13	16:15	RSC
AA80051-A	E. Coli Holding Time - IDEXX Colilert		NA	4.42	hours		0.00	34561	4/16/13	16:15	RSC

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

Attachment 5

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ANALYTICAL REPORT

Qualifier



Upper

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April 19, 2013

**Acceptance Criteria** 

Target

Absent

Lower

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Page 2 of 2

QC ANALYTICAL RESULTS E\_COLI\_QUANTITRAY-34562

QC Analyte Name Initial Blank for E. coli

QC Batch Name:

Result

Absent

Units

4/19/2013

Date

Jeanette Hernandez Water Quality Planner / QAO

-Jeanette K

A - Outside upper acceptance criteria

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

	enue D		Environme	oratory	Stap AC	CREDIES TNI RATORY	
210-302-3649	(10203-9900				April 19, 2013		Page 1 of 2
Client: Edwards Ad Mark Hamil 1615 N. Sa				This analytical report is intended exclusively Recipient is not authorized to print or copy the laboratory. If you have received this report it	his report, except in full without	written approv	al of the
San Antonio	o, TX 78215	Fax #:	210-222-9869				
Sample Number:	HSM 160 AA80052 Non Potable Water				Collection Date/Time: Receipt Date/Time:	4/16/13 4/16/13	12:45 13:30

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted. For questions regarding this report, please contact David Hernandez, Laboratory Supervisor, at (210) 302-3669

Analysis identified with a " $\sqrt{}$ " complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

# ANALYTICAL RESULTS

							<b>Reporting</b>	QC Batch	Ana	lysis	
	<u>Analyses</u>	<b>NELAC</b>	Analysis Method	<u>Result</u>	<u>Units</u>	<b>Qualifier</b>	<u>Limit</u>	<u>Number</u>	Date	Time	<u>Analyst</u>
AA80052-A	E. coli	$\checkmark$	SM 9223B-2004	81	MPN/100 mL		1	34562	4/16/13	16:15	RSC
AA80052-A	E. Coli Holding Time - IDEXX Colilert		NA	3.50	hours		0.00	34561	4/16/13	16:15	RSC

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

Attachment 5

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Qualifier



Upper

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April 19, 2013

**Acceptance Criteria** 

Target

Absent

Lower

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Page 2 of 2

QC ANALYTICAL RESULTS E\_COLI\_QUANTITRAY-34562

QC Analyte Name Initial Blank for E. coli

QC Batch Name:

Result

Absent

Units

4/19/2013

Date

Jeanette Hernandez Water Quality Planner / QAO

-Jeanette K

A - Outside upper acceptance criteria

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

RIVER Leaders in Wa 600 E Euclio P.O. Box 83	RIVER AUTHORITY Leaders in Watershed Solutions 600 E Euclid Avenue P.O. Box 839980			ntal Sciences Department Laboratory ANALYTICAL REPORT	Sulp A	TNI HIBORATORI		
San Antonio 210-302-364	o, TX 78283-9980 49			April 19, 2013		Page 1 of 2		
<b>Client:</b> Edwards Aquifer Authority Mark Hamilton 1615 N. Saint Mary's St.				This analytical report is intended exclusively for the individual or entity to which it is addressed Recipient is not authorized to print or copy this report, except in full without written approval of laboratory. If you have received this report in error, please notify the San Antonio River Autho				
San Ant	tonio, TX 78215	Fax #:	210-222-9869					
Sample Location:	HSM 160 FD			Collection Date/Time	4/16/13	12:45		
Sample Number: Sample Matrix:	AA80053 Non Potable Water			Receipt Date/Time:	4/16/13	13:30		

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted. For questions regarding this report, please contact David Hernandez, Laboratory Supervisor, at (210) 302-3669

Analysis identified with a " $\sqrt{}$ " complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

# ANALYTICAL RESULTS

							Reporting	QC Batch	Ana	lysis	
	<u>Analyses</u>	<b>NELAC</b>	Analysis Method	<u>Result</u>	<u>Units</u>	<b>Qualifier</b>	<u>Limit</u>	<u>Number</u>	Date	Time	<u>Analyst</u>
AA80053-A	E. coli	$\checkmark$	SM 9223B-2004	93	MPN/100 mL		1	34562	4/16/13	16:15	RSC
AA80053-A	E. Coli Holding Time - IDEXX Colilert		NA	3.50	hours		0.00	34561	4/16/13	16:15	RSC

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

Attachment 5

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210-302-3649

**Environmental Sciences Department Laboratory** 

ANALYTICAL REPORT

Qualifier



Upper

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April 19, 2013

**Acceptance Criteria** 

Target

Absent

Lower

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Page 2 of 2

QC ANALYTICAL RESULTS

**QC Analyte Name** Initial Blank for E. coli

QC Batch Name:

Result Absent

E\_COLI\_QUANTITRAY-34562

nt

-Jeanette K

Jeanette Hernandez Water Quality Planner / QAO

4/19/2013

Units

Date

A - Outside upper acceptance criteria

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

The data in this report is current as of:

4/19/2013 1:56:31PM

Attachment 5 as released by JH

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RIVER Leaders in Wat 600 E Euclid P.O. Box 839	9980	Environmental Sciences Department Laboratory ANALYTICAL REPORT				SULP ACCREDIES TNI FREORATORI			
210-302-364	, TX 78283-9980 19			Apri	il 19, 2013		Page 1 of 2		
Client: Edwards Aquifer Authority Mark Hamilton 1615 N. Saint Mary's St.			lual or entity to which it is addressed. ept in full without written approval of the e notify the San Antonio River Authority.						
San Ante	onio, TX 78215	Fax #:	210-222-9869						
Sample Location:	HSM 170			Collection	n Date/Time:	4/17/13	10:50		
Sample Number: Sample Matrix:	AA80063 Non Potable Water			Receipt D	ate/Time:	4/17/13	13:13		

This report provides results related only to the referenced sample ID numbers. All samples were received in acceptable condition unless otherwise noted. For questions regarding this report, please contact David Hernandez, Laboratory Supervisor, at (210) 302-3669

Analysis identified with a " $\sqrt{}$ " complies with NELAP requirements unless otherwise specified in the case narrative.

No sample and/or analysis comment(s)

# ANALYTICAL RESULTS

							<b>Reporting</b>	QC Batch	Ana	lysis	
	<u>Analyses</u>	NELAC	Analysis Method	<u>Result</u>	<u>Units</u>	<b>Qualifier</b>	<u>Limit</u>	<u>Number</u>	Date	Time	<u>Analyst</u>
AA80063-A	E. coli	$\checkmark$	SM 9223B-2004	150	MPN/100 mL		1	34572	4/17/13	15:48	RSC
AA80063-A	E. Coli Holding Time - IDEXX Colilert		NA	4.97	hours		0.00	34571	4/17/13	15:48	RSC

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative --- - Not Applicable

Attachment 5

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The data in this report is current as of:

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210-302-3649

**Environmental Sciences Department Laboratory** 

ANALYTICAL REPORT



April 19, 2013

Page 2 of 2

QC ANALYTICAL RESULTS

QC Batch Name:	E_COLI_QUANTITRAY-34572 Acceptan						tance Criteria		
QC Analyte Name Initial Blank for E. coli		Result Absent	<u>Units</u>	<u>Qualifier</u>	Lower 	<u>Target</u> Absent	Upper 		

Jeanette K

Jeanette Hernandez Water Quality Planner / QAO

4/19/2013

Date

A - Outside upper acceptance criteria

D - Outside lower acceptance criteria

T - Microbiological Controls were unacceptable

H - Hold Time for preparation or analysis exceeded J - Analyte detected outside quantitation limit

\* - See Case Narrative ---- - Not Applicable

Attachment 5

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