



# WATER DIVISION INSPECTION REPORT

ARKANSAS  
Department of Environmental Quality

AFIN: 08-00034	PERMIT #: AR0021792	DATE: 4/15/2015
COUNTY: 08 Carroll	PDS #: 084321	MEDIA: WN
GPS LAT: 36.357208 LONG: -93.57875 LOCATION: General Area		

### FACILITY INFORMATION

NAME:  
**Berryville Wastewater Facility**

LOCATION:  
**1000 W. Cedarvale**

CITY:  
**Berryville, AR**

### RESPONSIBLE OFFICIAL

NAME / TITLE:  
**Kirby Murray / Public Works Director**

COMPANY:  
**City of Berryville**

MAILING ADDRESS:  
**PO Box 227**

CITY, STATE, ZIP:  
**Berryville AR 72616**

PHONE & EXT. / FAX:  
**870-423-4074 /**

EMAIL:

CONTACTED DURING INSPECTION: **Yes**

### INSPECTION INFORMATION

FACILITY TYPE: <b>1 - Municipal</b>	INSPECTOR ID#: <b>25955 S - State</b>		
FACILITY EVALUATION RATING: <b>N</b>	INSPECTION TYPE: <b>Compliance Sampling</b>		
DATE(S): <b>4/15/2015</b>	ENTRY TIME: <b>05:58</b>	EXIT TIME: <b>06:31</b>	PERMIT EFFECTIVE DATE: <b>12/1/2007</b>
<b>4/14/2015</b>	<b>08:57</b>	<b>15:49</b>	PERMIT EXPIRATION DATE: <b>11/30/2012(ext)</b>

FAYETTEVILLE SHALE RELATED: **N**

FAYETTEVILLE SHALE VIOLATIONS: **N**

### INSPECTION PARTICIPANTS

NAME/TITLE/PHONE/FAX/EMAIL/ETC.:  
**Mike Maynard / 870-423-3749**  
**Doug Robinett / same**

### AREA EVALUATIONS

(S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not Applicable/Evaluated)


<b>N</b>	PERMIT	<b>N</b>	FLOW MEASUREMENT	<b>N</b>	STORMWATER
<b>N</b>	RECORDS/REPORTS	<b>N</b>	LABORATORY	<b>N</b>	FACILITY SITE REVIEW
<b>N</b>	OPERATION & MAINTENANCE	<b>S</b>	EFFLUENT/RECEIVING WATER	<b>N</b>	SELF-MONITORING PROGRAM
<b>N</b>	SAMPLING	<b>N</b>	SLUDGE HANDLING/DISPOSAL	<b>N</b>	PRETREATMENT
<b>N</b>	OTHER:				

### SUMMARY OF FINDINGS

**No violations were noted at the time of the inspection.**

### GENERAL COMMENTS

**A Compliance Sampling Inspection was performed. All results were within permit limits. See attached Check Sheet and ADEQ Analytical Results for details.**

INSPECTOR'S SIGNATURE: 	<b>Bruce Kirkpatrick</b>	DATE: <b>5/15/2015</b>
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SUPERVISOR'S SIGNATURE: 	<b>Kerri McCabe</b>	DATE: <b>5/31/2015</b>
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<b>SECTION I: SAMPLING INSPECTION PROCEDURES</b>	
<b>SAMPLE RESULTS WITHIN PERMIT REQUIREMENTS</b>	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE
<b>DETAILS:</b>	
1. SAMPLES OBTAINED THIS INSPECTION:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
2. TYPE OF SAMPLE: <input checked="" type="checkbox"/> GRAB:___ <input checked="" type="checkbox"/> COMPOSITE:___ METHOD:___ FREQUENCY: <u>6 hr.</u>	
3. SAMPLES PRESERVED:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
4. FLOW PROPORTIONED SAMPLES OBTAINED:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
7. SAMPLE SPLIT WITH PERMITTEE:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> NE

**Table 1. COMPARISON OF ANYLYTICAL RESULTS AND CALCULATED LOADINGS TO PERMIT LIMITATIONS**

	MASS LOADING	CONCENTRATION	
	MO. AVG. - #/DAY	MO. AVG. - MG/L	7-DAY AVG. - MG/L
<b>CBOD5 LIMITS</b>	<b>200.2</b>	<b>10</b>	<b>15</b>
<b>CBOD5 RESULTS</b>	<b>11.9</b>		<b>1.22</b>
<b>TSS LIMITS</b>	<b>300.2</b>	<b>15</b>	<b>22.5</b>
<b>TSS RESULTS</b>	<b>36.1</b>		<b>3.7</b>
<b>NH3N LIMITS</b>	<b>32.0</b>	<b>1.6</b>	<b>3.9</b>
<b>NH3N RESULTS</b>	<b>0.29</b>		<b>0.3</b>
<b>TOTAL P LIMITS</b>	<b>20.0</b>	<b>1</b>	<b>2</b>
<b>TOTAL P RESULTS</b>	<b>4.1</b>		<b>.422</b>
<b>TDS LIMITS</b>	<b>report only</b>	<b>report only</b>	<b>report only</b>
<b>TDS RESULTS</b>	<b>6950</b>		<b>712</b>
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<b>DO LIMIT</b>	<b>6.0 mg/l monthly average minimum</b>		
<b>DO RESULT</b>	<b>8.15 mg/l</b>		
<b>pH LIMITS</b>	<b>6.0-9.0 su</b>		
<b>pH RESULT</b>	<b>7.49 su</b>		
		<b>COLONIES PER 100 ML</b>	
<b>FCB LIMITS</b>		<b>1000</b>	<b>2000</b>
<b>FCB RESULT</b>			<b>4.65</b>



5301 Northshore Drive  
North Little Rock, AR 72118  
Telephone: 501-682-0744

**Client Report For:** Berryville POTW CSI 2015 0948-0949  
**Attention:**  
**Client Address:**

,

**Report Date:** April 28, 2015  
**LAB ID:** AR15APR15-03  
**Comment:**

Approved By: \_\_\_\_\_

Date: April 28, 2015

Arkansas Department of Environmental Quality  
5301 Northshore Drive  
North Little Rock, AR 72118

Laboratory Contact: Jeff Ruehr  
Ruehr@adeq.state.ar.us  
501-682-0955

**Client:** CSI  
**Lab ID:** 2015-0949  
**Client Sample ID:** Outfall 001 -FCB  
**Collection Date:** 4/15/2015 6:14:00 AM  
**Matrix:** Water

Analyses

**Fecal Coliforms**

**SM 9222 D**

**Batch: 15041604 Run: 1**

	<u>Result</u>	<u>Reporting Limit</u>	<u>MDL</u>	<u>Qual</u>	<u>Unit</u>
Fecal Coliforms	~4.65	4	4		cfu/100ml
Analyzed By	Lazendra L. Hairston				
Analysis Date/Time	4/15/2015 10:45				

<b>Client:</b> CSI	<b>Client Sample ID:</b> Outfall 001
<b>Lab ID:</b> 2015-0948	<b>Collection Date:</b> 4/14/2015 3:01:00 PM
<b>Matrix:</b> Water	

Analyses

<b>Ammonia as Nitrogen</b>	<b>SM 4500-NH3 H (20th)</b>	<b>Batch: 15041605 Run: 1</b>			
	<u>Result</u>	<u>Reporting Limit</u>	<u>MDL</u>	<u>Qual</u>	<u>Unit</u>
Ammonia as N	<0.03	0.03	0.03		mg/L
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/15/2015 2:21:05 PM				

<b>Carb. Biochemical Oxygen Demand (CBOD) 5 Day</b>	<b>SM 5210-B</b>	<b>Batch: 15042803 Run: 1</b>			
	<u>Result</u>	<u>Reporting Limit</u>	<u>MDL</u>	<u>Qual</u>	<u>Unit</u>
Carbonaceous BOD	1.22	0.2	0.2		mg/L
Analyzed By	Robert Graddy				
Analysis Date/Time	4/20/2015 14:15				

<b>Total Dissolved Solids</b>	<b>EPA 160.1</b>	<b>Batch: 15042101 Run: 1</b>			
	<u>Result</u>	<u>Reporting Limit</u>	<u>MDL</u>	<u>Qual</u>	<u>Unit</u>
Total Dissolved Solids	712	5.0	5.0		mg/L
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 9:00				

<b>Total Suspended Solids</b>	<b>EPA 160.2</b>	<b>Batch: 15042001 Run: 1</b>			
	<u>Result</u>	<u>Reporting Limit</u>	<u>MDL</u>	<u>Qual</u>	<u>Unit</u>
Total Suspended Solids	3.7	1.0	1.0		mg/L
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 7:30				

<b>Total Phosphorus</b>	<b>SM 4500-P J (20th)</b>	<b>Batch: 15041608 Run: 1</b>			
	<u>Result</u>	<u>Reporting Limit</u>	<u>MDL</u>	<u>Qual</u>	<u>Unit</u>
Phosphorus-total	0.422	0.02	0.02		mg/L

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Laboratory Contact: Jeff Ruehr  
Ruehr@adeq.state.ar.us  
501-682-0955

Dilution Factor	1
Analyzed By	Chad Carrington
Analysis Date/Time	4/16/2015 9:10:59 AM



## Analytical Quality Control Results Report

<b>Batch: 15041605</b>	<b>Lachat - Ammonia (water)</b>
<b>MB</b>	<b>LIMS ID: 15041605-MB-01</b>

**Ammonia as N - water MB** **Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Ammonia as N	<0.03 mg/L	0.03	0.03		
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/15/2015 12:11:19 PM				

<b>LCS</b>	<b>LIMS ID: 15041605-LCS-01</b>
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**Ammonia as N - water LCS** **Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Ammonia as N (% Recovery)	100 %			80 - 120	
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/15/2015 12:12:22 PM				

<b>MB</b>	<b>LIMS ID: 15041605-MB-02</b>
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**Ammonia as N - water MB** **Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Ammonia as N	<0.03 mg/L	0.03	0.03		
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/15/2015 12:47:08 PM				

<b>LCS</b>	<b>LIMS ID: 15041605-LCS-02</b>
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**Ammonia as N - water LCS** **Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Ammonia as N (% Recovery)	102 %			80 - 120	
Dilution Factor	1				



Analyzed By	Chad Carrington
Analysis Date/Time	4/15/2015 12:48:13 PM

<b>MB</b>	<b>LIMS ID: 15041605-MB-03</b>
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**Ammonia as N - water MB**

Run: 1

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Ammonia as N	<0.03 mg/L	0.03	0.03		
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/15/2015 1:18:49 PM				

<b>LCS</b>	<b>LIMS ID: 15041605-LCS-03</b>
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**Ammonia as N - water LCS**

Run: 1

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Ammonia as N (% Recovery)	102 %			80 - 120	
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/15/2015 1:19:52 PM				

<b>MB</b>	<b>LIMS ID: 15041605-MB-04</b>
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**Ammonia as N - water MB**

Run: 1

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Ammonia as N	<0.03 mg/L	0.03	0.03		
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/15/2015 1:51:33 PM				

<b>LCS</b>	<b>LIMS ID: 15041605-LCS-04</b>
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**Ammonia as N - water LCS**

Run: 1

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Ammonia as N (% Recovery)	102 %			80 - 120	
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/15/2015 1:52:36 PM				

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Ruehr@adeq.state.ar.us  
501-682-0955

## Analytical Quality Control Results Report

<b>Batch: 15041608</b>	<b>Lachat - TP (water)</b>
<b>MB</b>	<b>LIMS ID: 15041608-MB-01</b>

**TP (Total Phosphorus) - water MB**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Phosphorus-total	<0.02 mg/L	0.02	0.02		
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/16/2015 7:57:06 AM				

<b>LCS</b>	<b>LIMS ID: 15041608-LCS-01</b>
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**TP (Total Phosphorus) - water LCS**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Phosphorus-total (% Recovery)	94.0 %			80 - 120	
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/16/2015 7:58:08 AM				

<b>MB</b>	<b>LIMS ID: 15041608-MB-02</b>
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**TP (Total Phosphorus) - water MB**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Phosphorus-total	<0.02 mg/L	0.02	0.02		
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/16/2015 8:32:27 AM				

<b>LCS</b>	<b>LIMS ID: 15041608-LCS-02</b>
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**TP (Total Phosphorus) - water LCS**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Phosphorus-total (% Recovery)	107 %			80 - 120	
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/16/2015 8:33:30 AM				

<b>MB</b>	<b>LIMS ID: 15041608-MB-03</b>
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**TP (Total Phosphorus) - water MB** **Run: 1**

<b>Parameter</b>	<b>Result</b>	<b>DL</b>	<b>RL</b>	<b>Accuracy Control</b>	<b>Precision Control</b>
Phosphorus-total	<0.02 mg/L	0.02	0.02		
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/16/2015 9:03:42 AM				

<b>LCS</b>	<b>LIMS ID: 15041608-LCS-03</b>
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**TP (Total Phosphorus) - water LCS** **Run: 1**

<b>Parameter</b>	<b>Result</b>	<b>DL</b>	<b>RL</b>	<b>Accuracy Control</b>	<b>Precision Control</b>
Phosphorus-total (% Recovery)	100 %			80 - 120	
Dilution Factor	1				
Analyzed By	Chad Carrington				
Analysis Date/Time	4/16/2015 9:04:44 AM				

## Analytical Quality Control Results Report

<b>Batch: 15042001</b>	<b>TSS - water</b>
<b>MB</b>	<b>LIMS ID: 15042001-MB-01</b>

**Solids, Total Suspended - water MB**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Total Suspended Solids	<1 mg/L	1	1		
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 7:30				

<b>LCS</b>	<b>LIMS ID: 15042001-LCS-01</b>
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**Solids, Total Suspended - water LCS**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Total Suspended Solids (% Recovery)	102 %			90 - 110	
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 7:30				

<b>MB</b>	<b>LIMS ID: 15042001-MB-02</b>
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**Solids, Total Suspended - water MB**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Total Suspended Solids	<1 mg/L	1	1		
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 7:30				

<b>LCS</b>	<b>LIMS ID: 15042001-LCS-02</b>
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**Solids, Total Suspended - water LCS**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Total Suspended Solids (% Recovery)	101 %			90 - 110	
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 7:30				

<b>MB</b>	<b>LIMS ID: 15042001-MB-03</b>
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**Solids, Total Suspended - water MB**

**Run: 1**

<i>Parameter</i>	<i>Result</i>	<i>DL</i>	<i>RL</i>	<i>Accuracy Control</i>	<i>Precision Control</i>
Total Suspended Solids	<1 mg/L	1	1		
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 7:30				

<b>LCS</b>	<b>LIMS ID: 15042001-LCS-03</b>
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**Solids, Total Suspended - water LCS**

Run: 1

<i>Parameter</i>	<i>Result</i>	<i>DL</i>	<i>RL</i>	<i>Accuracy Control</i>	<i>Precision Control</i>
Total Suspended Solids (% Recovery)	102 %			90 - 110	
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 7:30				

<b>MB</b>	<b>LIMS ID: 15042001-MB-04</b>
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**Solids, Total Suspended - water MB**

Run: 1

<i>Parameter</i>	<i>Result</i>	<i>DL</i>	<i>RL</i>	<i>Accuracy Control</i>	<i>Precision Control</i>
Total Suspended Solids	<1 mg/L	1	1		
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 7:30				

<b>LCS</b>	<b>LIMS ID: 15042001-LCS-04</b>
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**Solids, Total Suspended - water LCS**

Run: 1

<i>Parameter</i>	<i>Result</i>	<i>DL</i>	<i>RL</i>	<i>Accuracy Control</i>	<i>Precision Control</i>
Total Suspended Solids (% Recovery)	108 %			90 - 110	
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 7:30				

## Analytical Quality Control Results Report

<b>Batch: 15042101</b>	<b>TDS - water</b>
<b>MB</b>	<b>LIMS ID: 15042101-MB-01</b>

**Solids, Total Dissolved - water MB**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Total Dissolved Solids	<5.0 mg/L	5	5		
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 9:00				

<b>LCS</b>	<b>LIMS ID: 15042101-LCS-01</b>
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**Solids, Total Dissolved - water LCS**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Total Dissolved Solids (% Recovery)	100 %			90 - 110	
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 9:00				

<b>MB</b>	<b>LIMS ID: 15042101-MB-02</b>
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**Solids, Total Dissolved - water MB**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Total Dissolved Solids	<5.0 mg/L	5	5		
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 9:00				

<b>LCS</b>	<b>LIMS ID: 15042101-LCS-02</b>
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**Solids, Total Dissolved - water LCS**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Total Dissolved Solids (% Recovery)	99 %			90 - 110	
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 9:00				

<b>MB</b>	<b>LIMS ID: 15042101-MB-03</b>
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**Solids, Total Dissolved - water MB**

**Run: 1**

<i>Parameter</i>	<i>Result</i>	<i>DL</i>	<i>RL</i>	<i>Accuracy Control</i>	<i>Precision Control</i>
Total Dissolved Solids	<5.0 mg/L	5	5		
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 9:00				

<b>LCS</b>	<b>LIMS ID: 15042101-LCS-03</b>
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**Solids, Total Dissolved - water LCS**

Run: 1

<i>Parameter</i>	<i>Result</i>	<i>DL</i>	<i>RL</i>	<i>Accuracy Control</i>	<i>Precision Control</i>
Total Dissolved Solids (% Recovery)	100 %			90 - 110	
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 9:00				

<b>MB</b>	<b>LIMS ID: 15042101-MB-04</b>
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**Solids, Total Dissolved - water MB**

Run: 1

<i>Parameter</i>	<i>Result</i>	<i>DL</i>	<i>RL</i>	<i>Accuracy Control</i>	<i>Precision Control</i>
Total Dissolved Solids	<5.0 mg/L	5	5		
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 9:00				

<b>LCS</b>	<b>LIMS ID: 15042101-LCS-04</b>
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**Solids, Total Dissolved - water LCS**

Run: 1

<i>Parameter</i>	<i>Result</i>	<i>DL</i>	<i>RL</i>	<i>Accuracy Control</i>	<i>Precision Control</i>
Total Dissolved Solids (% Recovery)	99 %			90 - 110	
Analyzed By	Kathryn Hattenhauer				
Analysis Date/Time	4/15/2015 9:00				

<b>MB</b>	<b>LIMS ID: 15042101-MB-05</b>
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**Solids, Total Dissolved - water MB**

Run: 1

<i>Parameter</i>	<i>Result</i>	<i>DL</i>	<i>RL</i>	<i>Accuracy Control</i>	<i>Precision Control</i>
Total Dissolved Solids	<5.0 mg/L	5	5		
Analyzed By	Patrick Rawhouser				
Analysis Date/Time	4/15/2015 9:00				



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Laboratory Contact: Jeff Ruehr  
Ruehr@adeq.state.ar.us  
501-682-0955

**LCS** **LIMS ID: 15042101-LCS-05**

**Solids, Total Dissolved - water LCS**

**Run: 1**

<b>Parameter</b>	<b>Result</b>	<b>DL</b>	<b>RL</b>	<b>Accuracy Control</b>	<b>Precision Control</b>
Total Dissolved Solids (% Recovery)	100 %			90 - 110	
Analyzed By	Patrick Rawhouser				
Analysis Date/Time	4/15/2015 9:00				

## Analytical Quality Control Results Report

<b>Batch: 15041604</b>	<b>Fecal Coliforms - water</b>
<i>Outfall 001 -FCB</i>	<i>LIMS ID: 2015-0949</i>

*Fecal Coliforms DUP*

*Run: 1*

<i>Parameter</i>	<i>Result</i>	<i>DL</i>	<i>RL</i>	<i>Accuracy Control</i>	<i>Precision Control</i>
Fecal Coliforms	~4.65 cfu/100ml	4	4		
Fecal Coliforms (RPD)	0 %				0 - 20
Analysis Date/Time	4/15/2015 10:45				
Analyzed By	Lazendra L. Hairston				

## Analytical Quality Control Results Report

<b>Batch: 15042803</b>	<b>CBOD5 - water</b>
<b>Outfall 001</b>	<b>LIMS ID: 2015-0948</b>

**CBOD - water DUP**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Carbonaceous BOD	1.14 mg/L	0.2	0.2		
Carbonaceous BOD (RPD)	6.8 %				0 - 20
Analyzed By	Robert Graddy				
Analysis Date/Time	4/20/2015 14:15				

<b>MB</b>	<b>LIMS ID: 15042803-MB-01</b>
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**CBOD - water MB**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Carbonaceous BOD	<0.2 mg/L	0.2	0.2		
Analyzed By	Robert Graddy				
Analysis Date/Time	4/20/2015 14:15				

<b>LCS</b>	<b>LIMS ID: 15042803-LCS-01</b>
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**CBOD - water LCS**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Carbonaceous BOD (% Recovery)	94.4 %			80 - 120	
Analyzed By	Robert Graddy				
Analysis Date/Time	4/20/2015 14:15				

<b>LCS</b>	<b>LIMS ID: 15042803-LCS-02</b>
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**CBOD - water LCS**

**Run: 1**

Parameter	Result	DL	RL	Accuracy Control	Precision Control
Carbonaceous BOD (% Recovery)	95.0 %			80 - 120	
Analyzed By	Robert Graddy				
Analysis Date/Time	4/20/2015 14:15				