

**2nd quarter 2018 Report**

**MBR Discharge**

Date	TKN	NO3	BOD5 Ave./Max.	NTU Ave./Max.	E. Coli Mean/Max.	UV % Trans. Range	Comments
July-17	2.0	.04	7	.074/3.3	>100		
Aug-17			18	1.2/2.4	>100		
Sept-17	12.0	0	12.5/17	2.3/9.8	>100		TDS 1090 mg/L, 290 mg/L Chlorides
Oct-17	2.8	0	5	3.0/5.0	>100		TDS 1610 mg/L, 520 mg/L Chlorides
Nov-17			13	2.3/5.5	>100		
Dec-17	23.0	0	13/14	2.1/3.9	>100		TDS 1170 mg/L, 230 mg/L Chlorides
Jan-18			7	1.4/2.9	>100		
Feb-18	3.2	0	4	1.6/11.5	<100		TDS 1190 mg/L, 200 mg/L Chlorides
March-18		1.7	2	4.07/29.8	<1		
April-18	2.5		4	1.8/4.7	<1		1250 TDS mg/L, 310 Chlorides
May-18		1.7	7	1.2/3.2	<1		
June-18	8.3		5	2.5/10.6	<1		1230 TDS mg/L, 350 Chlorides

**4.77 mg/L TN running annual average discharged**

Discharge limit: <10mg/L TN, 5 cfu/100 mg/L Fecal 30 day Mean (23 cfu/100 mg/L max), 10 mg/L BOD 30 day Ave (15 mg/L max), 3 NTU 30 day Ave (5 NTU max), 20.6.2.3013 NIMAC sample group annually

### Monthly Flow Data Report

Date	Influent Wastewater Meter Reading	Total Inlet Gal. Received & Treated/mo	Average GPD per month	Peak Daily GPD per month	Treated Effluent Q to Lagoon gal/mo*	Treated Effluent Q Re-used^ gal/mo	Sludge Wasting in Gallons	Comments
7/5/17	49201694	854896	28497	37976	888904	1883052	6371	7000gal pumped off-site **re
8/4/17	50071614	869920	28997	37086	876050	9499872	press off-line	Use line is being used to aerate the holding pond so the re-use meter is reading excessively high
9/5/17	50904351	832737	27758	36743	916496	10186963	press off-line	
10/4/17	51649708	745357	24845	40621	789760	2160409	19672	
11/3/17	52320890	671182	22373	36419	730637	2270273	13989	
12/5/17	53130872	809982	26999	38252	827348	2227677	10787	
1/2/18	53955513	824641	27488	38479	867260	1359363	18127	
2/1/18	54767050	811537	27051	32169	740403	129506	18668	
3/1/18	55466185	699135	23304	29683	681324	152224	27317	
4/2/18	56310098	*	26262	36800	778,064	334,700	19,689	Between 4/3-4/4 lightning strike seems to have damaged meter
5/1/18	289026 *	*	29784	39700	895,030	204,595	21,667	
6/1/18	295594*	*	31340	52400	1,026,775	2,811,927	12,144^	^ 6/29 7000gal pumped off site *in process of having meter repaired or replaced, it has affected the influent wastewater meter reading and total inlet gal received and treated monthly numbers

\*To calculate the flow to the lagoon for re-use: Permeate meter difference minus (utility meter difference minus UV Recirculation meter difference). ^ Quantity based on "Re-Use" meter readings located on discharge of evaporation of pond.

**MBR Discharge**

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Nov-17			13	2.3/5.5	>100		
Dec-17	23.0	0	13/14	2.1/3.9	>100		TDS 1170 mg/L, 230 mg/L Chlorides
Jan-18			7	1.4/2.9	>100		
Feb-18	3.2	0	4	1.6/11.5	<100		TDS 1190 mg/L, 200 mg/L Chlorides
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**4.77 mg/L TN running annual average discharged**

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5/1/18	289026 *	*	29784	39700	895,030	204,595	21,667	
6/1/18	295594*	*	31340	52400	1,026,775	2,811,927	12,144^	^ 6/29 7000gal pumped off site *in process of having meter repaired or replaced, it has affected the influent wastewater meter reading and total inlet gal received and treated monthly numbers

Rocky Mountain Water and Wastewater llc  
(505) 263- 1084

Edgewood Wastewater Treatment Facility  
Discharge Permit #1654

**\*To calculate the flow to the lagoon for re-use: Permeate meter difference minus (utility meter difference minus UV Recirculation meter difference).**

**^ Quantity based on "Re-Use" meter readings located on discharge of evaporation of pond.**



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 19, 2018

Mike Butler

Rocky Mountain Water & Wastewater  
49 Evening Star Loop  
Edgewood, NM 87015  
TEL: (505) 228-6233  
FAX

RE: EWWTP

OrderNo.: 1805992

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/17/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

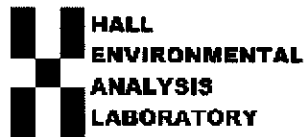
Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

## Case Narrative

WO#: 1805992  
Date: 6/19/2018

---

**CLIENT:** Rocky Mountain Water & Wastewater  
**Project:** EWWTP

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Analytical Comments Regarding BOD:  
The method blank(s) had a DO depletion >0.2mg/L.

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Rocky Mountain Water & Wastewater  
**Project:** EWWTP  
**Lab ID:** 1805992-001

**Client Sample ID:** Effluent  
**Collection Date:** 5/17/2018 9:30:00 AM  
**Received Date:** 5/17/2018 11:46:00 AM

**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>SM5210B: BOD</b>							Analyst: <b>SMS</b>
Biochemical Oxygen Demand	7.0	2.0		mg/L	1	5/22/2018 2:38:00 PM	38173
<b>SM 9223B FECAL INDICATOR: E. COLI MPN</b>							Analyst: <b>dbf</b>
E. Coli	<1	1.000		MPN/100	1	5/18/2018 4:54:00 PM	38183
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Nitrate+Nitrite as N	1.7	1.0		mg/L	5	6/5/2018 6:05:17 PM	R51773

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not in Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified



# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1805992

19-Jun-18

Client: Rocky Mountain Water & Wastewater

Project: EWWTP

Sample ID <b>MB</b>	SampType: <b>mbk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R51773</b>	RunNo: <b>51773</b>								
Prep Date:	Analysis Date: <b>6/5/2018</b>	SeqNo: <b>1690242</b>							Units: <b>mg/L</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID <b>LCS</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R51773</b>	RunNo: <b>51773</b>								
Prep Date:	Analysis Date: <b>6/5/2018</b>	SeqNo: <b>1690243</b>							Units: <b>mg/L</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.3	0.20	3.500	0	95.7	90	110			

## Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| PQL Practical Quantitative Limit                        | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1805992

19-Jun-18

Client: Rocky Mountain Water &amp; Wastewater

Project: EWWTP

Sample ID	<b>MB-38173</b>	SampType:	<b>MBLK</b>	TestCode:	<b>SM5210B: BOD</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>38173</b>	RunNo:	<b>51461</b>					
Prep Date:	<b>5/17/2018</b>	Analysis Date:	<b>5/22/2018</b>	SeqNo:	<b>1675937</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.0								

Sample ID	<b>MB--38173</b>	SampType:	<b>MBLK</b>	TestCode:	<b>SM5210B: BOD</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>38173</b>	RunNo:	<b>51461</b>					
Prep Date:	<b>5/17/2018</b>	Analysis Date:	<b>5/22/2018</b>	SeqNo:	<b>1675938</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.0								

Sample ID	<b>LCS-38173</b>	SampType:	<b>LCS</b>	TestCode:	<b>SM5210B: BOD</b>					
Client ID:	<b>LCSW</b>	Batch ID:	<b>38173</b>	RunNo:	<b>51461</b>					
Prep Date:	<b>5/17/2018</b>	Analysis Date:	<b>5/22/2018</b>	SeqNo:	<b>1675939</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	140	2.0	198.0	0	68.9	84.6	115.4			S

### Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| PQL Practical Quantitative Limit                        | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1805992

19-Jun-18

**Client:** Rocky Mountain Water & Wastewater  
**Project:** EWWTP

Sample ID: <b>MB-38183</b>	SampType: <b>MBLK</b>	TestCode: <b>SM 9223B Fecal Indicator: E. coli MPN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>38183</b>	RunNo: <b>51399</b>								
Prep Date: <b>5/17/2018</b>	Analysis Date: <b>5/18/2018</b>	SeqNo: <b>1672793</b>	Units: <b>MPN/100mL</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
E. Coli	<1	1.000								

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

**Sample Log-In Check List**

Client Name: Rocky Mountain Water

Work Order Number: 1805992

RcptNo: 1

Received By: Isalah Ortiz 5/17/2018 11:46:00 AM

Completed By: Ashley Gallegos 5/17/2018 1:05:37 PM

Reviewed By: MW 5/17/18 @ 1455

Labeled by: Leah 5/17/18

Chain of Custody

1. Is Chain of Custody complete? Yes  No  Not Present   
 2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes  No  NA   
 4. Were all samples received at a temperature of >0° C to 6.0°C? Yes  No  NA   
 5. Sample(s) in proper container(s)? Yes  No   
 6. Sufficient sample volume for indicated test(s)? Yes  No   
 7. Are samples (except VOA and ONG) properly preserved? Yes  No   
 8. Was preservative added to bottles? Yes  No  NA   
 9. VOA vials have zero headspace? Yes  No  No VOA Vials   
 10. Were any sample containers received broken? Yes  No   
 11. Does paperwork match bottle labels? Yes  No   
 (Note discrepancies on chain of custody)  
 12. Are matrices correctly identified on Chain of Custody? Yes  No   
 13. Is it clear what analyses were requested? Yes  No   
 14. Were all holding times able to be met? Yes  No   
 (If no, notify customer for authorization.)

# of preserved bottles checked for pH: 1 (or >12 unless noted)  
 Adjusted? yes  
 Checked by:

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

16. Additional remarks: Added 1ml of H<sub>2</sub>SO<sub>4</sub> 5/17/18 @ 1450 to ~~2 of 3~~ 1 container

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	8.3	Good	Not Present			

container  
 for  
 Nitrate  
 Nitrite  
 analysis  
 5/18

# Chain-of-Custody Record

Client: Rocky Mountain Water & Waste Water  
 Mailing Address: 49 Evening Star Loop  
Edge Wood NM 87015  
 Phone #: 505-228-6233  
 email or Fax#: rmwater21@gmail.com

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation  
 NELAP  Other  
 EDD (Type)

Turn-Around Time:  
 Standard  Rush  
 Project Name:  
EWWT  
 Project #:  
 Project Manager:  
Mike Butler  
 Sampler: M. Butler  
 On Ice:  Yes  No  
 Sample Temperature: 8.3

Container Type and #  
 Preservative Type  
 HEAL No.  
1805992  
-101



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
 www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

BTEX + MTBE + TMBs (8021)	
BTEX + MTBE + TPH (Gas only)	
TPH 8015B (GRO / DRO / MRO)	
TPH (Method 418.1)	
EDB (Method 504.1)	
PAHs (8310 or 8270 SIMS)	
RCRA 8 Metals	
Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	
8081 Pesticides / 8082 PCBs	
8260B (VOA)	
8270 (Semi-VOA)	
X BOD	
X Total, Burn	
X NO <sub>2</sub> NO <sub>3</sub>	
Air Bubbles (Y or N)	

Date: 5-17-18 Time: 1146  
 Relinquished by: [Signature]  
 Date: 5/17/18 Time: 1146  
 Received by: [Signature]  
 Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

# INVOICE

Invoice#: 1805992

Date: 6/19/2018

**INVOICE TO:** ATIN: ACCOUNTS PAYABLE  
Rocky Mountain Water & Wastewater  
Mike Butler  
49 Evening Star Loop  
Edgewood, NM 87015

Acct. Code:

Work Order: **1805992**  
Date Received: 5/17/2018  
Priority: Routine  
Phone: (505) 228-6233  
Fax:  
Project: EWWTP  
PO:  
CaseNo:  
Submitted By: Rocky Mountain Water & Wastewater  
Mike Butler

Item Description	Matrix	Remarks	Qty	Unit Price	Total
EPA Method 300.0: Anions	Aqueous		1	25.00	25.00
SM 9223B Fecal Indicator: E. coli MPN	Aqueous		1	55.00	55.00
SM5210B: BOD	Aqueous		1	55.00	55.00

Sub Total: \$135.00  
Misc. Charges: \$0.00  
Surcharge: 0.00%  
Tax: 7.5%

**INVOICE Total: \$145.13**

Pre-Paid Amount: \$0.00

**Total Payable Amount: \$145.13**

**TERMS:**

All invoices are due and payable net 30 days from receipt.



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

May 04, 2018

Mike Butler

Rocky Mountain Water & Wastewater  
49 Evening Star Loop  
Edgewood, NM 87015  
TEL: (505) 228-6233  
FAX

RE: EWWTP

OrderNo.: 1804B52

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/23/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

## Case Narrative

WO#: 1804B52  
Date: 5/4/2018

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**CLIENT:** Rocky Mountain Water & Wastewater  
**Project:** EWWTP

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Analytical Comments Regarding BOD:  
The method blank(s) had a DO depletion >0.2mg/L.



**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Rocky Mountain Water & Wastewater

**Client Sample ID:** Effluent

**Project:** EWWTP

**Collection Date:** 4/23/2018 9:30:00 AM

**Lab ID:** 1804B52-001

**Matrix:** AQUEOUS

**Received Date:** 4/23/2018 12:35:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>SM5210B: BOD</b>							Analyst: <b>SMS</b>
Biochemical Oxygen Demand	4.0	2.0		mg/L	1	4/30/2018 12:03:00 PM	37779
<b>SM 9223B FECAL INDICATOR: E. COLI MPN</b>							Analyst: <b>dbf</b>
E. Coli	<1	1.000		MPN/100mL	1	4/24/2018 4:46:00 PM	37751
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	310	10	*	mg/L	20	4/23/2018 6:10:39 PM	R50790
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>sat</b>
Total Dissolved Solids	1250	40.0	*D	mg/L	1	4/26/2018 1:21:00 PM	37787
<b>SM 4500 NORG C: TKN</b>							Analyst: <b>CJS</b>
Nitrogen, Kjeldahl, Total	2.5	1.0		mg/L	1	5/2/2018 4:39:00 PM	37907

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804B52

04-May-18

Client: Rocky Mountain Water & Wastewater

Project: EWWTP

Sample ID	MB	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBW	Batch ID:	R50790	RunNo:	50790					
Prep Date:		Analysis Date:	4/23/2018	SeqNo:	1647558	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID	LCS	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSW	Batch ID:	R50790	RunNo:	50790					
Prep Date:		Analysis Date:	4/23/2018	SeqNo:	1647559	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	93.1	90	110			

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804B52

04-May-18

Client: Rocky Mountain Water & Wastewater

Project: EWWTP

Sample ID	MB-37779	SampType:	MBLK	TestCode:	SM5210B: BOD					
Client ID:	PBW	Batch ID:	37779	RunNo:	50945					
Prep Date:	4/25/2018	Analysis Date:	4/30/2018	SeqNo:	1653981	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.0								

Sample ID	MB--37779	SampType:	MBLK	TestCode:	SM5210B: BOD					
Client ID:	PBW	Batch ID:	37779	RunNo:	50945					
Prep Date:	4/25/2018	Analysis Date:	4/30/2018	SeqNo:	1653982	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.0								

Sample ID	LCS-37779	SampType:	LCS	TestCode:	SM5210B: BOD					
Client ID:	LCSW	Batch ID:	37779	RunNo:	50945					
Prep Date:	4/25/2018	Analysis Date:	4/30/2018	SeqNo:	1653983	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	140	2.0	198.0	0	71.4	84.6	115.4			S

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804B52

04-May-18

Client: Rocky Mountain Water & Wastewater

Project: EWWTP

Sample ID	MB-37751	SampType:	MBLK	TestCode:	SM 9223B Fecal Indicator: E. coli	MPN				
Client ID:	PBW	Batch ID:	37751	RunNo:	50824					
Prep Date:	4/23/2018	Analysis Date:	4/24/2018	SeqNo:	1649432	Units:	MPN/100mL			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
E. Coli	<1	1.000								

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RI. Reporting Detection Limit
- W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804B52

04-May-18

Client: Rocky Mountain Water & Wastewater

Project: EWWTP

Sample ID	MB-37787	SampType:	MBLK	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	PBW	Batch ID:	37787	RunNo:	50861					
Prep Date:	4/25/2018	Analysis Date:	4/26/2018	SeqNo:	1650414	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	LCS-37787	SampType:	LCS	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	LCSW	Batch ID:	37787	RunNo:	50861					
Prep Date:	4/25/2018	Analysis Date:	4/26/2018	SeqNo:	1650415	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	983	20.0	1000	0	98.3	80	120			

### Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| PQL Practical Quantitative Limit                        | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804B52

04-May-18

Client: Rocky Mountain Water & Wastewater

Project: EWWTP

Sample ID	MB-37907	SampType:	MBLK	TestCode:	SM 4500 Norg C: TKN					
Client ID:	PBW	Batch ID:	37907	RunNo:	50997					
Prep Date:	5/2/2018	Analysis Date:	5/2/2018	SeqNo:	1655616	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	1.0								

Sample ID	LCS-37907	SampType:	LCS	TestCode:	SM 4500 Norg C: TKN					
Client ID:	LCSW	Batch ID:	37907	RunNo:	50997					
Prep Date:	5/2/2018	Analysis Date:	5/2/2018	SeqNo:	1655617	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	9.7	1.0	10.00	0	96.6	80	120			

## Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| PQL Practical Quantitative Limit                        | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

July 16, 2018

Mike Butler

Rocky Mountain Water & Wastewater  
49 Evening Star Loop  
Edgewood, NM 87015  
TEL: (505) 228-6233  
FAX

RE: EWWTP

OrderNo.: 1806D55

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/21/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

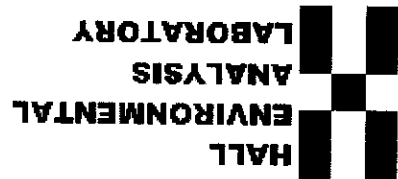
Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

May 04, 2018

Mike Butler

Rocky Mountain Water & Wastewater  
49 Evening Star Loop  
Edgewood, NM 87015

TEL: (505) 228-6233

FAX

RE: EWWTTP

OrderNo.: 1804B52

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/23/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109



**Analytical Report**Lab Order **1806D55**Date Reported: **7/16/2018****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Rocky Mountain Water & Wastewater**Client Sample ID:** Effluent**Project:** EWWTW**Collection Date:** 6/21/2018 9:30:00 AM**Lab ID:** 1806D55-001**Matrix:** AQUEOUS**Received Date:** 6/21/2018 2:40:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>SM5210B: BOD</b>							Analyst: <b>SMS</b>
Biochemical Oxygen Demand	5.0	2.0		mg/L	1	6/27/2018 3:02:00 PM	38847
<b>SM 9223B FECAL INDICATOR: E. COLI MPN</b>							Analyst: <b>dbf</b>
E. Coli	<1	1,000		MPN/100	1	6/22/2018 4:51:00 PM	38828
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	350	10	*	mg/L	20	6/23/2018 2:07:57 AM	A52184
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	1230	20.0	*	mg/L	1	6/28/2018 7:48:00 PM	38918
<b>SM 4500 NORG C: TKN</b>							Analyst: <b>smb</b>
Nitrogen, Kjeldahl, Total	8.3	1.0		mg/L	1	7/13/2018 1:17:00 PM	39169

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

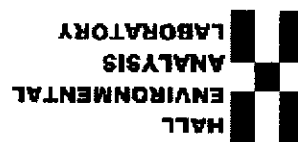
<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Comments Regarding BOD:  
The method blank(s) had a DO depletion >0.2mg/L.

---

**CLIENT:** Rocky Mountain Water & Wastewater  
**Project:** EWTP

---



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

**Case Narrative**  
WO#: 1804BS2  
Date: 5/4/2018

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1806D55

16-Jul-18

**Client:** Rocky Mountain Water & Wastewater  
**Project:** EWWTP

Sample ID <b>MB</b>	SampType: <b>mbk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>A52184</b>	RunNo: <b>52184</b>								
Prep Date:	Analysis Date: <b>6/22/2018</b>	SeqNo: <b>1709529</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID <b>LCS</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>A52184</b>	RunNo: <b>52184</b>								
Prep Date:	Analysis Date: <b>6/22/2018</b>	SeqNo: <b>1709530</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	96.3	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

**Analytical Report**

Lab Order 1804B52  
Date Reported: 5/4/2018

**Hall Environmental Analysis Laboratory, Inc.**

CLIENT: Rocky Mountain Water & Wastewater

Client Sample ID: Effluent

Project: EW/WTP

Collection Date: 4/23/2018 9:30:00 AM

Lab ID: 1804B52-001

Matrix: AQUEOUS

Received Date: 4/23/2018 12:35:00 PM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
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**SM5210B: BOD** Analyst: SMS

Biochemical Oxygen Demand 4.0 2.0 mg/L 1 4/30/2018 12:03:00 PM 37779

**SM 9223B FECAL INDICATOR: E. COLI MPN** Analyst: dbf

E. Coli <1 1,000 MPN/100mL 1 4/24/2018 4:46:00 PM 37751

**EPA METHOD 300.0: ANIONS** Analyst: MRA

Chloride 310 10 mg/L \* 20 4/23/2018 6:10:39 PM R50790

**SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: sat

Total Dissolved Solids 1250 40.0 \*D mg/L 1 4/26/2018 1:21:00 PM 37787

**SM 4500 NOR G: TKN** Analyst: CJS

Nitrogen, Kjeldahl, Total 2.5 1.0 mg/L 1 5/2/2018 4:39:00 PM 37907

Refer to the QC Summary report and sample log in checklist for flagged QC data and preservation information.

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- W Sample container temperature is out of limit as specified
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1806D55  
16-Jul-18

Client: Rocky Mountain Water & Wastewater  
Project: EW WTP

Sample ID	<b>MB-38847</b>	SampType:	<b>MBLK</b>	TestCode:	<b>SM5210B: BOD</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>38847</b>	RunNo:	<b>52297</b>					
Prep Date:	<b>6/22/2018</b>	Analysis Date:	<b>6/27/2018</b>	SeqNo:	<b>1713444</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.0								

Sample ID	<b>MB--38847</b>	SampType:	<b>MBLK</b>	TestCode:	<b>SM5210B: BOD</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>38847</b>	RunNo:	<b>52297</b>					
Prep Date:	<b>6/22/2018</b>	Analysis Date:	<b>6/27/2018</b>	SeqNo:	<b>1713445</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.0								

Sample ID	<b>LCS-38847</b>	SampType:	<b>LCS</b>	TestCode:	<b>SM5210B: BOD</b>					
Client ID:	<b>LCSW</b>	Batch ID:	<b>38847</b>	RunNo:	<b>52297</b>					
Prep Date:	<b>6/22/2018</b>	Analysis Date:	<b>6/27/2018</b>	SeqNo:	<b>1713446</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	110	2.0	198.0	0	55.8	84.6	115.4			S

Sample ID	<b>1806D55-001ADUP</b>	SampType:	<b>DUP</b>	TestCode:	<b>SM5210B: BOD</b>					
Client ID:	<b>Effluent</b>	Batch ID:	<b>38847</b>	RunNo:	<b>52297</b>					
Prep Date:	<b>6/22/2018</b>	Analysis Date:	<b>6/27/2018</b>	SeqNo:	<b>1713448</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	5.0	2.0						0	20	

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1806D55

16-Jul-18

Client: Rocky Mountain Water & Wastewater

Project: EWWTP

Sample ID	<b>MB-38828</b>	SampType:	<b>MBLK</b>	TestCode:	<b>SM 9223B</b>	Fecal Indicator:	<b>E. coli MPN</b>			
Client ID:	<b>PBW</b>	Batch ID:	<b>38828</b>	RunNo:	<b>52245</b>					
Prep Date:	<b>6/21/2018</b>	Analysis Date:	<b>6/22/2018</b>	SeqNo:	<b>1711905</b>	Units:	<b>MPN/100mL</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
E. Coli	<1	1.000								

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1806D55

16-Jul-18

Client: Rocky Mountain Water & Wastewater

Project: EWWTP

Sample ID	<b>MB-38918</b>	SampType:	<b>MBLK</b>	TestCode:	<b>SM2540C MOD: Total Dissolved Solids</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>38918</b>	RunNo:	<b>52343</b>					
Prep Date:	<b>6/27/2018</b>	Analysis Date:	<b>6/28/2018</b>	SeqNo:	<b>1715125</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID	<b>LCS-38918</b>	SampType:	<b>LCS</b>	TestCode:	<b>SM2540C MOD: Total Dissolved Solids</b>					
Client ID:	<b>LCSW</b>	Batch ID:	<b>38918</b>	RunNo:	<b>52343</b>					
Prep Date:	<b>6/27/2018</b>	Analysis Date:	<b>6/28/2018</b>	SeqNo:	<b>1715126</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

## Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level               | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| PQL Practical Quantitative Limit                        | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1806D55

16-Jul-18

Client: Rocky Mountain Water &amp; Wastewater

Project: EWWTP

Sample ID <b>MB-39169</b>	SampType: <b>MBLK</b>	TestCode: <b>SM 4500 Norg C: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>39169</b>	RunNo: <b>52690</b>								
Prep Date: <b>7/12/2018</b>	Analysis Date: <b>7/13/2018</b>	SeqNo: <b>1729759</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	1.0								

Sample ID <b>LCS-39169</b>	SampType: <b>LCS</b>	TestCode: <b>SM 4500 Norg C: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>39169</b>	RunNo: <b>52690</b>								
Prep Date: <b>7/12/2018</b>	Analysis Date: <b>7/13/2018</b>	SeqNo: <b>1729760</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	10	1.0	10.00	0	102	80	120			

### Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| PQL Practical Quantitative Limit                        | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |





Hall Environmental Analysis Laboratory  
 4901 Hawkins NE  
 Albuquerque, NM 87109  
 TEL: 505-345-3975 FAX: 505-345-4107  
 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: Rocky Mountain Water

Work Order Number: 1806D55

RcptNo: 1

Received By: Erin Melendrez 6/21/2018 2:40:00 PM

*EM*

Completed By: Isalah Ortiz 6/21/2018 2:51:43 PM

*IO*

Reviewed By: *ms 06/21/18*  
*MW 6/24/18*

### Chain of Custody

1. Is Chain of Custody complete? Yes  No  Not Present   
 2. How was the sample delivered? Client

### Log In

3. Was an attempt made to cool the samples? Yes  No  NA   
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA   
 5. Sample(s) in proper container(s)? Yes  No   
 6. Sufficient sample volume for indicated test(s)? Yes  No   
 7. Are samples (except VOA and ONG) properly preserved? Yes  No   
 8. Was preservative added to bottles? Yes  No  NA   
 9. VOA vials have zero headspace? Yes  No  No VOA Vials   
 10. Were any sample containers received broken? Yes  No   
 11. Does paperwork match bottle labels? Yes  No   
 (Note discrepancies on chain of custody)  
 12. Are matrices correctly identified on Chain of Custody? Yes  No   
 13. Is it clear what analyses were requested? Yes  No   
 14. Were all holding times able to be met? Yes  No   
 (If no, notify customer for authorization.)

# of preserved bottles checked for pH: 1  
 (<2 or >12 unless noted)  
 Adjusted? NO  
 Checked by: MW 6/24/18

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	5.6	Good	Not Present			

# Chain-of-Custody Record

Client: Ripley Mountain Lakes Waste Water  
 Mailing Address: 49 Evening Star Loop Edgewood NM 87015  
 Phone #: 505-288-6233  
 email or Fax#: Mike Butler 505-211-0911

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation  
 NELAP  Other  
 EDD (Type)

Turn-Around Time:

Standard  Rush

Project Name:

EWWT

Project #:

Project Manager:

Mike Butler

Sampler: M. Butler

On Ice:  Yes  No

Sample Temperature: 5°C

Container Type and #

Preservative Type

HEAL No. 600DSS

-001

Date

Time

Matrix

Sample Request ID

2-18-93

AG

Effluent

to traps

Date:

Time:

Relinquished by:

Relinquished by:

2-18-93

1440

[Signature]

[Signature]

Received by:

Date:

Time:

[Signature]

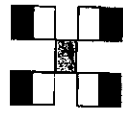
6-21-18

1440

6/21/18

Remarks:

Analysis Request	BTEX + MTBE + TMBs (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / 8082 PCBs	8260B (VOA)	8270 (Semi-VOA)	X BOD	X TDS, Cl	X TKN	X Ecol, Enum	Air Bubbles (Y or N)



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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# INVOICE

Invoice#: 1806D55

Date: 7/16/2018

**INVOICE TO:** ATTN: ACCOUNTS PAYABLE  
Rocky Mountain Water & Wastewater  
Mike Butler  
49 Evening Star Loop  
Edgewood, NM 87015

Acct. Code:

Work Order: 1806D55  
Date Received: 6/21/2018  
Priority: Routine  
Phone: (505) 228-6233  
Fax:  
Project: EWWTP  
PO:  
CaseNo:  
Submitted By: Rocky Mountain Water & Wastewater  
Mike Butler

Item Description	Matrix	Remarks	Qty	Unit Price	Total
EPA Method 300.0: Anions	Aqueous		1	25.00	25.00
SM 4500 Norg C: TKN	Aqueous		1	35.00	35.00
SM 9223B Fecal Indicator: E. coli MPN	Aqueous		1	55.00	55.00
SM2540C MOD: Total Dissolved Solids	Aqueous		1	25.00	25.00
SM5210B: BOD	Aqueous		1	55.00	55.00

Sub Total: \$195.00  
Misc. Charges: \$0.00  
Surcharge: 0.00%  
Tax: 7.875%

**INVOICE Total: \$210.36**

Pre-Paid Amount: \$0.00

**Total Payable Amount: \$210.36**

**TERMS:**

All invoices are due and payable net 30 days from receipt.