

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

December 17, 2018

Mike Butler

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

TEL: (505) 228-6233

FAX

RE: EWWTP OrderNo.: 1812241

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/5/2018 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 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,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 1812241

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 12/17/2018

CLIENT: Rocky Mountain Water & Wastewater

Client Sample ID: Effluent

Project: EWWTP

Collection Date: 12/5/2018 11:00:00 AM

Lab ID: 1812241-001 Matrix: AQUEOUS

Received Date: 12/5/2018 2:54:00 PM

| Analyses | Result | PQL Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------------|--------|----------|--------|------|-----------------------|--------|
| SM5210B: BOD | | | | | Analyst | SMS |
| Biochemical Oxygen Demand | 6.7 | 2.0 | mg/L | 1 | 12/10/2018 3:24:00 PM | 41916 |
| SM 9223B FECAL INDICATOR: E. COLI MPN | | | | | Analyst | SMS |
| E. Coli | <1 | 1.000 | MPN/10 | 00 1 | 12/6/2018 5:12:00 PM | 41927 |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | smb |
| Nitrogen, Nitrite (As N) | ND | 0.10 | mg/L | 1 | 12/5/2018 11:57:13 PM | R56116 |
| Nitrogen, Nitrate (As N) | 1.4 | 0.10 | mg/L | 1 | 12/5/2018 11:57:13 PM | R56116 |
| | | | | | | |

Refer to the QC Summary report and sample login 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 Quanitative 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 Page 1 of 4
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1812241

17-Dec-18

Client:

Rocky Mountain Water & Wastewater

Project:

EWWTP

| | | | | · | | | | | | |
|--------------------------|------------|---------------|-----------|-------------|---|-----------|---------------|------|----------|------|
| Sample ID MB | SampT | ype: ME | BLK | Tes | tCode: EF | PA Method | 300.0: Anions | | | |
| Client ID: PBW | Batch | 1D: R5 | 6116 | F | Run N o: 5 0 | 6116 | | | | |
| Prep Date: | Analysis D | ate: 12 | 2/5/2018 | S | SeqNo: 18 | 874518 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | *** | | | |
| Sample ID LCS | SampT | ype: LC | s | Tes | tCode: El | PA Method | 300.0: Anions | | | |
| Client ID: LCSW | Batcl | n ID: R5 | 6116 | F | RunNo: 50 | 6116 | | | | |
| Prep Date: | Analysis D | Date: 12 | 2/5/2018 | S | SeqNo: 18 | 874519 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| A 874 11 /A B 13 | 0.98 | 0.10 | 1.000 | 0 | 98.1 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.90 | 0.10 | 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 Quanitative 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

Page 2 of 4

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#· 1812241

17-Dec-18

Client:

Rocky Mountain Water & Wastewater

Project:

EWWTP

Sample ID MB-41916

SampType: MBLK

TestCode: SM5210B: BOD

Client ID: **PBW**

Batch ID: 41916

RunNo: 56240

Prep Date:

12/5/2018

Analysis Date: 12/10/2018

%REC

SeqNo: 1878851

LowLimit

LowLimit

Units: mg/L

HighLimit

%RPD **RPDLimit**

Qual

Analyte Biochemical Oxygen Demand Result

PQL ND

SampType: LCS

2.0

TestCode: SM5210B: BOD

Batch ID: 41916

RunNo: 56240

SeqNo: 1878852

%REC

Units: mg/L

Analyte

Prep Date:

12/5/2018

Analysis Date: 12/10/2018

PQL

SPK value SPK Ref Val

75.6

%RPD

Qual

150

2.0

198.0

84.6

HighLimit 115.4

RPDLimit

S

Biochemical Oxygen Demand

Sample ID LCS-41916

Client ID: LCSW

Result

SPK value SPK Ref Val

Oualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank В

Е Value above quantitation range

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Detection Limit Sample container temperature is out of limit as specified Page 3 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#: 1812241

17-Dec-18

Client:

Rocky Mountain Water & Wastewater

Project:

EWWTP

Sample ID MB-41927

SampType: MBLK

TestCode: SM 9223B Fecal Indicator: E. coli MPN

Client ID: **PBW**

12/5/2018

Batch ID: 41927

RunNo: 56163

SeqNo: 1876081

Units: MPN/100mL

Analyte

Prep Date:

Analysis Date: 12/6/2018 PQL SPK value SPK Ref Val

%REC LowLimit

HighLimit

RPDLimit %RPD

Qual

E. Coli

1.000

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RLReporting Detection Limit

Sample container temperature is out of limit as specified

Page 4 of 4



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

Rocky Mountain Water Work Order Number: 1812241 RcptNo: 1 Client Name: 12/5/2018 2:54:00 PM Received By: Isaiah Ortiz from Buckler Completed By: Jazzmine Burkhead 12/5/2018 3:39:25 PM 12/5/18 Reviewed By: 10 Labeled by Yes 🗸 No 🔲 Not Present 1. Is Chain of Custody complete? 2 How was the sample delivered? Client Log In No 🗌 NA 🗌 Yes V 3. Was an attempt made to cool the samples? No 🗆 NA 🗍 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗹 No 🗆 5. Sample(s) in proper container(s)? Yes 🗸 No 🖂 Yes V 6. Sufficient sample volume for indicated test(s)? No 🗌 Yes V 7. Are samples (except VOA and ONG) properly preserved? No V NA 🗆 Yes 🗌 8. Was preservative added to bottles? No VOA Vials Yes No 🔲 9. VOA vials have zero headspace? Yes No 🔽 10. Were any sample containers received broken? # of preserved bottles checked for pH: Yes 🗹 No 🗌 11. Does paperwork match bottle labels? (\$2 or ≥12 unless noted) (Note discrepancies on chain of custody) Yes 🗸 No 🗌 12. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗌 13. Is it clear what analyses were requested? Checked by: No 🔲 14. Were all holding times able to be met? Yes 🗹 (If no, notify customer for authorization.) Special Handling (if applicable) NA 🗹 Yes 🔲 No 🔲 15. Was client notified of all discrepancies with this order? Person Notified: Date: eMail Phone Fax In Person By Whom: Via: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Seal Intact | Seal No | Seal Date Cooler No Temp °C Condition Good 4.5

| | · | | |
|--|---|--|--|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | ANALYSIS LABORATORY | | 4901 Hawkins NE - Albuquerque, NM 87109 | Tel. 505-345-3975 Fax 505-345-4107 | | (O) | | S808\2 (1.)40(1) 0\2\2\2 \3\0 \4\0 \A(0) | (GR stale 110 110 110 | O15DO Pestic by 83 Br, Ne VOA) | TPH:8 8081 PAHs RCRA RCRA | | | | | | | Remarks: | 4 | credited laboratories. This serves as notice of this nossibility. Any sub-contracted data will be clearly notated on the analytical report. |
|-------------------------|-------------------------------|---------------|---|------------------------------------|---------|---|---------------------------------------|---|-----------------------------------|--|---|-------------------------|--|--|--|--|--|------------------------------|------------------------------|---|
| Turn-Around Time: | A Standard | Project Name: | | Project #: | | Project Manager: | Mike Butler | Sampler:が、ブルトと | Jers: Mymer and | Cooler Temp(including cp.: 4.3+0.2(cr) 4.8 | Container Preservative HEAL No. 1 | | | | | | | | F | |
| Chain-of-Custody Record | Client: ROCKY, MOUNTAIN Water | Jastewater | Mailing Address: 4 Even Mc Starles | Edgewood N/M 84015 | -228.62 | email or Fax#: rm Jotes 211 @ c Mail. com | √ √ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ | Accreditation: Az Compliance Description: Other | ype) | | Date Time Matrix Sample Name , | 12-519/100 AB EFF/UZINT | | | | | | Date: Time: Relinquished by: | Date: Time: Relinquished by: | If necessary samples submitted to Hall Environmental may be subcontracted to other as |



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

December 14, 2018

Mike Butler

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

FAX

RE: EWWTP OrderNo.: 1811C08

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/26/2018 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 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,

Andy Freeman

Laboratory Manager

Andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 1811C08

Date Reported: 12/14/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Rocky Mountain Water & Wastewater

Client Sample ID: Effluent

Project: EWWTP

Collection Date: 11/26/2018 11:00:00 AM

Lab ID: 1811C08-001 Matrix: AQUEOUS Received Date: 11/26/2018 2:13:00 PM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|----------------------------------|------------------|-------|------|--------|------|-----------------------|----------------|
| SM5210B: BOD | | | | | | Analys | t: SMS |
| Biochemical Oxygen Demand | DO Depletion<2.0 | 2.0 | | mg/L | 1 | 12/3/2018 12:08:00 PM | 1 41752 |
| SM 9223B FECAL INDICATOR: E. COL | I MPN | | | | | Analys | t: SMS |
| E. Coli | <1 | 1.000 | | MPN/10 | 00 1 | 11/27/2018 4:51:00 PM | 41724 |
| EPA METHOD 300.0: ANIONS | | | | | | Analys | t: smb |
| Chloride | 250 | 10 | * | mg/L | 20 | 11/27/2018 12:28:06 A | M R55869 |
| SM2540C MOD: TOTAL DISSOLVED S | OLIDS | | | | | Analys | t: KS |
| Total Dissolved Solids | 1180 | 20.0 | * | mg/L | 1 | 11/29/2018 3:47:00 PM | 41758 |
| SM 4500 NORG C: TKN | | | | | | Analys | t: OG |
| Nitrogen, Kjeldahl, Total | 1.1 | 1.0 | | mg/L | 1 | 11/30/2018 7:30:00 AM | 1 41810 |

Refer to the QC Summary report and sample login 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 Quanitative 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 Page 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1811C08

14-Dec-18

Client:

Rocky Mountain Water & Wastewater

Project:

EWWTP

Sample ID MB

SampType: MBLK

TestCode: EPA Method 300.0: Anions

LowLimit

Client ID: PBW

Batch ID: R55869

RunNo: 55869

%REC

Prep Date:

Analysis Date: 11/26/2018 POL

SeqNo: 1863769

Units: mg/L HighLimit

Qual

Analyte Chloride

ND 0.50

Result

Sample ID LCS

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID: LCSW

Batch ID: R55869

RunNo: 55869

Units: mg/L

HighLimit

Prep Date:

Analysis Date: 11/26/2018

SeqNo: 1863770

%RPD

%RPD

RPDLimit

RPDLimit

Qual

Analyte

SPK value SPK Ref Val

0

LowLimit

Chloride

PQL Result 4.7 0.50

5.000

SPK value SPK Ref Val

%REC 94.8

90

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits Page 2 of 6

Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1811C08

14-Dec-18

Client:

Rocky Mountain Water & Wastewater

Project:

Analyte

Analyte

EWWTP

Sample ID MB-41752

SampType: MBLK

TestCode: SM5210B: BOD

Batch ID: 41752

%REC

Client ID: PBW

Result

ND

RunNo: 56050

Prep Date: 11/28/2018 Analysis Date: 12/3/2018

PQL

2.0

SeqNo: 1871708

Units: mg/L HighLimit

%RPD

%RPD

RPDLimit

Qual

Biochemical Oxygen Demand

Sample ID LCS-41752

SampType: LCS

TestCode: SM5210B: BOD

Client ID: LCSW

Batch ID: 41752

RunNo: 56050

Prep Date: 11/28/2018 Analysis Date: 12/3/2018

PQL

SeqNo: 1871709

Units: mg/L

Qual

Biochemical Oxygen Demand

2.0

198.0

LowLimit 84.6

LowLimit

HighLimit

RPDLimit

180

Result

SPK value SPK Ref Val

SPK value SPK Ref Val

88.7

%REC

115.4

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 3 of 6

Sample pH Not In Range

Reporting Detection Limit RL

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1811C08

Qual

14-Dec-18

Client:

Rocky Mountain Water & Wastewater

Project:

EWWTP

Sample ID MB-41724

SampType: MBLK

TestCode: SM 9223B Fecal Indicator: E. coli MPN

HighLimit

%RPD

RPDLimit

Client ID: **PBW**

Batch ID: 41724

RunNo: 55907

Prep Date: 11/26/2018

%REC

Analysis Date: 11/27/2018

SPK value SPK Ref Val

SeqNo: 1865273 Units: MPN/100mL

LowLimit

Analyte E. Coli

Result PQL 1.000

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

Practical Quanitative Limit **PQL**

S % Recovery outside of range due to dilution or matrix В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Page 4 of 6

P Sample pH Not In Range

RLReporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1811C08 14-Dec-18

Client:

Rocky Mountain Water & Wastewater

Project:

EWWTP

Sample ID MB-41758 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 41758 RunNo: 55960

Prep Date: 11/28/2018 Analysis Date: 11/29/2018 SeqNo: 1867818 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-41758 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 41758 RunNo: 55960

Prep Date: 11/28/2018 Analysis Date: 11/29/2018 SeqNo: 1867819 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1000 20.0 1000 0 100 80 120

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 Quanitative 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

Analyte detected below quantitation inini

P Sample pH Not In Range RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1811C08 14-Dec-18

Client:

Rocky Mountain Water & Wastewater

Project:

EWWTP

Sample ID MB-41810

SampType: MBLK

TestCode: SM 4500 Norg C: TKN

PBW

Batch ID: 41810

RunNo: 55998

Client ID:

11/29/2018

Prep Date:

Analysis Date: 11/30/2018

SeqNo: 1869272

Units: mg/L

Analyte

Result **PQL**

HighLimit

%RPD **RPDLimit** Qual

Nitrogen, Kjeldahl, Total

Client ID: LCSW

ND

SPK value SPK Ref Val

%REC LowLimit

%RPD

Sample ID LCS-41810

SampType: LCS Batch ID: 41810

1.0

TestCode: SM 4500 Norg C: TKN RunNo: 55998

SeqNo: 1869273

Units: mg/L

Analyte

Prep Date: 11/29/2018 Analysis Date: 11/30/2018

10

SPK value SPK Ref Val

LowLimit

Nitrogen, Kjeldahl, Total

1.0

10.00

%REC 101

120

RPDLimit

Qual

PQL

HighLimit

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix Analyte detected in the associated Method Blank

Sample container temperature is out of limit as specified

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RLReporting Detection Limit Page 6 of 6



Hali Environmental Analysis Laboratory 4991 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hailenvironmental.com

Sample Log-In Check List

| Client Name: | Rocky Mountain Water | Wark Order Number: | 1811C0 | 18 | | RcptNo | 1 |
|--|---|---------------------------------------|------------|---------|--------------|-----------------|----------------------|
| Received By: | Anne Thorne | 11/26/2018 2:13:00 PM | l • | am | . St. UL | and the second | |
| Completed By: | Erin Molendroz | 11/26/2018 2:21:05 PM | | Un | uz | , | |
| Reviewed By: | VVZ 11/86/18 | 0 | | | | | |
| IR. | JAB 11126118 | 6:13 | : | | | | |
| Chain of Cus | tody | ordonia | | | | | |
| 1. Is Chain of C | ustody complete? | | Yes 🗹 |) No | | Not Present | |
| 2. How was the | sample delivered? | | Client | | | | |
| Log In | | | | | | | |
| | npt made to cool the sample: | · · · · · · · · · · · · · · · · · · · | Yes 🗹 | No | П | NA [] | |
| 4. Were all samp | oles received at a temperatur | e of >0" C to 8.0"C | Yes 🗹 | No | Ц | NA. | |
| 5. Sample(s) in p | proper container(s)? | | Yes 🗸 | No | П | | |
| 6. Sufficient sam | aple volume for indicated test | (s)? | Yes 🗹 | No | П | | |
| 7. Are samples (| except VOA and ONG) prop- | erly preserved? | Yes 🗸 | | | | |
| 8. Was preserva | live added to bottles? | | Yes 🗌 | No | \mathbf{Z} | NA [] | |
| 9. VOA vials hav | re zero headspace? | | Yes 🗌 | No | | No VOA VIAIS 🗹 | |
| 10. Were any san | mple containers received bro | ken? | Yes 🗆 | No | V | # of preserved | |
| A A CONTRACTOR | n transfer for a screen | | | | 11 | bottles checked | |
| The second secon | ork match bottle labels? ancies on chain of custody) | | Yes 🗸 | No | | for pH: | r >12 juniess noted) |
| | correctly identified on Chain | of Custody? | Yes 🗹 | No | | Adjusted? | 16 |
| | t analyses were requested? | | Yes 🗹 | No | | | man uh |
| 14. Were all holds | ng times able to be met? ustomer for authorization.) | | Yes 🗹 | No | | Checked by: | JAB 11/5 |
| Special Handl | ing (if applicable) | | | | | | |
| 15. Was client no | ctified of all discrepancies wit | h this order? | Yes 🗆 |) No | | NA 🕏 | |
| Person | Notified: | Date: | · | | ********** | | |
| By Who | om: | Va: [|] el/ail | Phone [| Fax | In Person | |
| Regard | ing: | | | | *********** | | |
| Client in | nstructions: | | | | | | |
| 16. Additional rel | marks: | | | | | | |
| 17. Cooler Infor | mation | | | | | | |
| Cooler No | Temp *C Condition | | eal Date | Signed | Ву | _ | |
| ļ1 | 3.4 Good N | lot Present | | | | | |

| TALL SALVED CONTRACTOR | ANALYSIS LABORATORY | www.hallenvironmental.com | 4901 Hawkins NE - Albuquerque, NM 87109 | Tel. 505-345-3975 Fax 505-345-4107 | I | (ju | Vpee No ⁴ ' 2 NW2 CB,2 (805 | d ., | G \ C (1, 408) (1, 408) (28) (A) | 0021 10 9 10 9 10 9 | onte onte onte onte onte onte onte onte | 1 Pes (Mes (Mes (VC (VC (VC | TPH 808 CI, F 826 EDE 826 EDE 827 EDE | | | | | | | | Remarks: | Time: Relinquished by: Received by: Via: Date Time Time: Relinquished by: No. 1 |
|-------------------------|---------------------|---------------------------|---|------------------------------------|----------|-----------------------------|--|--|--|------------------------------|--|--|---|------------------------|---|--|--|--|--|--|--------------------------------|---|
| Turn-Around Time: | K Standard C Rush | Project Name: | ELM) I | Project #: | | Project Manager: | UHY AM | | Sample: M. (S.A.F./C.) | olers: | Cooler Tempinateing CF. 3 4 | | Type and # Type PAI(08 | | - | | | | | | Received of Via: Date 112 Time | Received by: Via: Date Time |
| Chain-of-Custody Record | Hocky Monutan Water | *Wastersafe | Fremile, Starles | アン | 1 2 | ex#. FMW/2-2110 9114-1.Cox1 | OA/QC Package: | ☐ Standard ☐ Level 4 (Full Validation) | n: ☐ Az Compliance | | W. C. C. | | k Sample Name / | 11.36 1100 Hg EF Juent | | | | | | | Religious Party | Date: Time: Relinquished by: |



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

October 31, 2018

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

FAX

RE: EWWTP OrderNo.: 1810543

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/9/2018 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 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,

Andy Freeman

Laboratory Manager

andyl

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 **Case Narrative**

WO#:

1810543

Date:

10/31/2018

CLIENT:

Rocky Mountain Water & Wastewater

Project:

EWWTP

Analytical Comments Regarding BOD:

The method blank(s) had a DO depletion >0.2mg/L.

| | | | , | |
|--|--|--|---|--|

Analytical Report Lab Order 1810543

Date Reported: 10/31/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Rocky Mountain Water & Wastewater

Project: EWWTP

Lab ID: 1810543-001

Client Sample ID: Effluent

Collection Date: 10/9/2018 11:00:00 AM

Received Date: 10/9/2018 3:30:00 PM

| Analyses | Result | PQL (| Qual Units | DF | Date Analyzed | Batch |
|-------------------------------------|---------|-------|------------|----|------------------------|---------|
| SM5210B: BOD | | | | | Analyst: | SMS |
| Biochemical Oxygen Demand | 2.0 | 2.0 | mg/L | 1 | 10/15/2018 12:50:00 PM | 1 40921 |
| SM 9223B TOTAL COLIFORM | | | | | Analyst: | dbf |
| Total Coliform | Present | 0 | P/A | 1 | 10/11/2018 12:05:00 PM | 1 40905 |
| E. Coli | Present | 0 | P/A | 1 | 10/11/2018 12:05:00 PM | 1 40905 |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | MRA |
| Chloride | 200 | 10 | mg/L | 20 | 10/10/2018 2:56:40 AM | R54746 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | Analyst: | KS |
| Total Dissolved Solids | 1070 | 40.0 | *D mg/L | 1 | 10/16/2018 4:58:00 PM | 41002 |
| SM 4500 NORG C: TKN | | | | | Analyst: | OG |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | mg/L | 1 | 10/27/2018 10:40:00 AM | 1 41145 |

Matrix: AQUEOUS

Refer to the QC Summary report and sample login 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 Quanitative 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 Page 2 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: **1810543**

31-Oct-18

Client:

Rocky Mountain Water & Wastewater

Project:

EWWTP

Sample ID MB SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: **R54746** RunNo: 54746 Prep Date: Analysis Date: 10/9/2018 SeqNo: 1817966 Units: mg/L Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Qual **RPDLimit**

Chloride ND 0.50

Sample ID LCS SampType: ics TestCode: EPA Method 300.0: Anions Client ID: LCSW Batch ID: R54746 RunNo: 54746 Prep Date: Analysis Date: 10/9/2018 SeqNo: 1817967 Units: mg/L Analyte %REC **PQL** SPK value SPK Ref Val LowLimit HighLimit %RPD **RPDLimit** Qual Chloride 4.9 0.50 5.000 97.3 110

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 Quanitative 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

Page 3 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#:

1810543

31-Oct-18

Client:

Analyte

Rocky Mountain Water & Wastewater

Project:

EWWTP

Sample ID MB-40921

SampType: MBLK

TestCode: SM5210B: BOD

%REC LowLimit

Client ID: PBW

Batch ID: 40921

RunNo: 54872

Prep Date: 10/10/2018 Analysis Date: 10/15/2018

PQL

SeqNo: 1823646

Units: mg/L HighLimit

%RPD **RPDLimit**

Qual

Biochemical Oxygen Demand

Sample ID MB--40921

ND 2.0

Result

SampType: MBLK

TestCode: SM5210B: BOD

Client ID: PBW

Batch ID: 40921

RunNo: 54872

Prep Date: 10/10/2018 Analysis Date: 10/15/2018

SeqNo: 1823647

Units: mg/L

Analyte **Biochemical Oxygen Demand**

PQL Result ND 2.0 SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD **RPDLimit** Qual

Sample ID LCS-40921

SampType: LCS

TestCode: SM5210B: BOD

Batch ID: 40921

RunNo: 54872

Analyte

Client ID:

Prep Date: 10/10/2018

LCSW

Analysis Date: 10/15/2018

SeqNo: 1823648

Units: mg/L

Qual

210

Result

SPK value SPK Ref Val 198.0

SPK value SPK Ref Val

%REC 104

84.6

LowLimit

HighLimit %RPD **RPDLimit**

Biochemical Oxygen Demand

2.0

PQL

0

115.4

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

E Value above quantitation range

Reporting Detection Limit

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

Page 4 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#:

1810543 31-Oct-18

Client:

Rocky Mountain Water & Wastewater

Project:

EWWTP

Sample ID MB-40905

SampType: MBLK

TestCode: SM 9223B Total Coliform

Client ID:

PBW

Batch ID: 40905

RunNo: 54809

Prep Date: 10/10/2018

Analysis Date: 10/11/2018 **PQL**

SeqNo: 1820273

%REC LowLimit

Units: P/A HighLimit

%RPD

RPDLimit

Qual

Total Coliform

Absent

Result

0 0

SPK value SPK Ref Val

Analyte E. Coli

Absent

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits J

Sample pH Not In Range

RLReporting Detection Limit

W Sample container temperature is out of limit as specified Page 5 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#:

1810543

31-Oct-18

Client:

Rocky Mountain Water & Wastewater

Project:

Analyte

EWWTP

Sample ID MB-41002

SampType: MBLK

TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW

Batch ID: 41002

RunNo: 54905

Prep Date: 10/15/2018

Analysis Date: 10/16/2018

SeqNo: 1824845 Units: mg/L

RPDLimit

Qual

Total Dissolved Solids

Result **PQL** ND 20.0

Sample ID LCS-41002

SampType: LCS

TestCode: SM2540C MOD: Total Dissolved Solids

%REC

Client ID: LCSW Batch ID: 41002

RunNo: 54905

Prep Date: 10/15/2018 Analysis Date: 10/16/2018

SeqNo: 1824846

Units: mg/L

HighLimit

Analyte

SPK value SPK Ref Val %REC

LowLimit HighLimit

RPDLimit

Qual

PQL

%RPD

%RPD

Result

SPK value SPK Ref Val

120

Total Dissolved Solids 1000 20.0 1000 100

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- **PQL** Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В

Sample container temperature is out of limit as specified

- E Value above quantitation range
- Analyte detected below quantitation limits J
- P Sample pH Not In Range
- Reporting Detection Limit
- - Page 6 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#:

1810543

31-Oct-18

Client:

Rocky Mountain Water & Wastewater

Project:

Analyte

EWWTP

Sample ID MB-41145

SampType: MBLK

TestCode: SM 4500 Norg C: TKN

Client ID: **PBW**

Batch ID: 41145

RunNo: 55206

Prep Date: 10/23/2018 Analysis Date: 10/27/2018

SPK value SPK Ref Val

Result **PQL** SeqNo: 1835697

Units: mg/L

HighLimit

RPDLimit

Qual

Nitrogen, Kjeldahl, Total

ND 1.0

SampType: LCS

TestCode: SM 4500 Norg C: TKN

LowLimit

%REC LowLimit

Client ID: LCSW

Sample ID LCS-41145

Prep Date: 10/23/2018

Batch ID: 41145

RunNo: 55206

Analysis Date: 10/27/2018

PQL

SeqNo: 1835698

Units: mg/L

HighLimit

Qual

Nitrogen, Kjeldahl, Total

10.00

120

RPDLimit

Analyte

Result

1.0

SPK value SPK Ref Val

%REC 102

%RPD

%RPD

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 7 of 7

| | | , |
|--|--|---|