



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

January 07, 2016

Mike Butler
EPCOR Water
PO Box 370
Edgewood, NM 87015
TEL: (505) 228-6233
FAX

RE: EWWTP

OrderNo.: 1512B85

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/29/2015 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 #NM0190

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, Inc.

CLIENT: EPCOR Water
 Project: EWWTP
 Lab ID: 1512B85-001

Client Sample ID: Effluent
 Collection Date: 12/29/2015 1:00:00 PM
 Received Date: 12/29/2015 2:38:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD							Analyst: SMS
Biochemical Oxygen Demand	DO Depletion<2.0	2.0		mg/L	1	1/4/2016 3:34:00 PM	23016
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: MRA
E. Coli	<1	1.000		CFU/100ml	1	12/30/2015 5:47:00 PM	22999
EPA METHOD 300.0: ANIONS							Analyst: LGT
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	12/29/2015 11:50:43 PM	A31141
Nitrogen, Nitrate (As N)	1.4	0.10		mg/L	1	12/29/2015 11:50:43 PM	A31141

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

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
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512B85

07-Jan-16

Client: EPCOR Water

Project: EWWTP

Sample ID	MB	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBW	Batch ID:	A31141	RunNo:	31141					
Prep Date:		Analysis Date:	12/29/2015	SeqNo:	953076	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	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSW	Batch ID:	A31141	RunNo:	31141					
Prep Date:		Analysis Date:	12/29/2015	SeqNo:	953077	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	1.0	0.10	1.000	0	99.8	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	104	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
- R RPD outside accepted recovery limits
- 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512B85

07-Jan-16

Client: EPCOR Water

Project: EWWTP

Sample ID	MB-23016	SampType:	MBLK	TestCode:	SM5210B: BOD					
Client ID:	PBW	Batch ID:	23016	RunNo:	31228					
Prep Date:	12/30/2015	Analysis Date:	1/4/2016	SeqNo:	956201	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-23016	SampType:	MBLK	TestCode:	SM5210B: BOD					
Client ID:	PBW	Batch ID:	23016	RunNo:	31228					
Prep Date:	12/30/2015	Analysis Date:	1/4/2016	SeqNo:	956202	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-23016	SampType:	LCS	TestCode:	SM5210B: BOD					
Client ID:	LCSW	Batch ID:	23016	RunNo:	31228					
Prep Date:	12/30/2015	Analysis Date:	1/4/2016	SeqNo:	956203	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	180	2.0	198.0	0	89.5	75.9	137			

Sample ID	LCSD-23016	SampType:	LCSD	TestCode:	SM5210B: BOD					
Client ID:	LCSS02	Batch ID:	23016	RunNo:	31228					
Prep Date:	12/30/2015	Analysis Date:	1/4/2016	SeqNo:	956204	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	180	2.0	198.0	0	90.3	75.9	137	0.843	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
- R RPD outside accepted recovery limits
- 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512B85

07-Jan-16

Client: EPCOR Water

Project: EWWTP

Sample ID	MB-22999	SampType:	MBLK	TestCode:	SM 9223B	Fecal Indicator:	E. coli	MPN				
Client ID:	PBW	Batch ID:	22999	RunNo:	31171							
Prep Date:	12/29/2015	Analysis Date:	12/30/2015	SeqNo:	954236	Units:	CFU/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
- R RPD outside accepted recovery limits
- 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

Sample Log-In Check List

Client Name: **EPCOR-EDGEWOOD** Work Order Number: **1512B85** RcptNo: **1**

Received by/date: *[Signature]* **12/29/15**

Logged By: **Ashley Gallegos** 12/29/2015 2:38:00 PM *[Signature]*

Completed By: **Ashley Gallegos** 12/29/2015 3:07:31 PM *[Signature]*

Reviewed By: *[Signature]* **12/29/15** **(C) 1541**

Chain of Custody

- 1. Custody seals intact on sample bottles? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Client

Log In

- 4. Was an attempt made to cool the samples? Yes No NA
- 5. Were all samples received at a temperature of >0° C to 6.0° C Yes No NA

Samples were collected the same day and chilled.

- 6. Sample(s) in proper container(s)? Yes No
- 7. Sufficient sample volume for indicated test(s)? Yes No
- 8. Are samples (except VOA and ONG) properly preserved? Yes No
- 9. Was preservative added to bottles? Yes No NA

- 10. VOA vials have zero headspace? Yes No No VOA Vials
- 11. Were any sample containers received broken? Yes No

- 12. Does paperwork match bottle labels? Yes No # of preserved bottles checked for pH: **1** (or >12 unless noted)

- 13. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? *[Signature]*

- 14. Is it clear what analyses were requested? Yes No

- 15. Were all holding times able to be met? Yes No Checked by: *[Signature]*
 (If no, notify customer for authorization.)

Special Handling (if applicable)

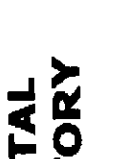
- 16. Was client notified of all discrepancies with this order? Yes No NA

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

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	7.8	Good	Not Present			



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Chain-of-Custody Record

Turn-Around Time: Standard Rush

Project Name: EWWTP

Project #: _____

Project Manager: Mike Butler

Sampler: M. Butler

On Ice: Yes No

Sample Temperature: 7.8

Container Type and # _____

Preservative Type _____

HEAL No. 1572885

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 ₃ , NO ₂ , PO ₄ , SO ₄)	
8081 Pesticides / 8082 PCB's	
8260B (VOA)	
8270 (Semi-VOA)	
X BOD	
X Ecol. Fnum	
X ND ₂ ND ₃	
Air Bubbles (Y or N)	

Received by: [Signature] Date: 12/18/13

Relinquished by: [Signature] Date: 12/18/13

Received by: [Signature] Date: _____

Relinquished by: _____ Date: _____

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

January 11, 2016

Mike Butler
EPCOR Water
PO Box 370
Edgewood, NM 87015
TEL: (505) 228-6233
FAX

RE: EWWTP

OrderNo.: 1512A24

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/22/2015 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 #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, Inc.

CLIENT: EPCOR Water

Client Sample ID: Effluent

Project: EWWTP

Collection Date: 12/22/2015 9:30:00 AM

Lab ID: 1512A24-001

Matrix: AQUEOUS

Received Date: 12/22/2015 2:30:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD							Analyst: MRA
Biochemical Oxygen Demand	DO Depletion<2.0	2.0		mg/L	1	12/28/2015 12:41:00 PM	22936
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: MRA
E. Coli	<1	1.000		CFU/100ml	1	12/23/2015 4:57:00 PM	22930
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	43	10		mg/L	20	12/22/2015 10:01:58 PM	R31049
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: KS
Total Dissolved Solids	424	20.0		mg/L	1	12/29/2015 12:14:00 PM	22954
SM 4500 NORG C: TKN							Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	1/8/2016 10:54:00 AM	23093

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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	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
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512A24

11-Jan-16

Client: EPCOR Water
Project: EWWTP

Sample ID A6	SampType: CCV_6		TestCode: EPA Method 300.0: Anions							
Client ID: BatchQC	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/22/2015		SeqNo: 949687		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	12	0.50	12.00	0	96.4	90	110			

Sample ID A4	SampType: CCV_4		TestCode: EPA Method 300.0: Anions							
Client ID: BatchQC	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/22/2015		SeqNo: 949699		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	91.9	90	110			

Sample ID A5	SampType: CCV_5		TestCode: EPA Method 300.0: Anions							
Client ID: BatchQC	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/22/2015		SeqNo: 949711		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	7.6	0.50	8.000	0	94.6	90	110			

Sample ID MB	SampType: MBLK		TestCode: EPA Method 300.0: Anions							
Client ID: PBW	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/22/2015		SeqNo: 949718		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: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/22/2015		SeqNo: 949719		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	94.3	90	110			

Sample ID A6	SampType: CCV_6		TestCode: EPA Method 300.0: Anions							
Client ID: BatchQC	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/22/2015		SeqNo: 949722		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	12	0.50	12.00	0	98.2	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
- R RPD outside accepted recovery limits
- 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512A24

11-Jan-16

Client: EPCOR Water

Project: EWWTP

Sample ID A4	SampType: CCV_4		TestCode: EPA Method 300.0: Anions							
Client ID: BatchQC	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/22/2015		SeqNo: 949734		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	93.0	90	110			

Sample ID A5	SampType: CCV_5		TestCode: EPA Method 300.0: Anions							
Client ID: BatchQC	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/22/2015		SeqNo: 949746		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	7.6	0.50	8.000	0	95.0	90	110			

Sample ID A6	SampType: CCV_6		TestCode: EPA Method 300.0: Anions							
Client ID: BatchQC	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/22/2015		SeqNo: 949758		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	12	0.50	12.00	0	97.8	90	110			

Sample ID A4	SampType: CCV_4		TestCode: EPA Method 300.0: Anions							
Client ID: BatchQC	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/23/2015		SeqNo: 949770		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.9	0.50	5.000	0	97.6	90	110			

Sample ID A5	SampType: CCV_5		TestCode: EPA Method 300.0: Anions							
Client ID: BatchQC	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/23/2015		SeqNo: 949782		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	7.6	0.50	8.000	0	95.1	90	110			

Sample ID A6	SampType: CCV_6		TestCode: EPA Method 300.0: Anions							
Client ID: BatchQC	Batch ID: R31049		RunNo: 31049							
Prep Date:	Analysis Date: 12/23/2015		SeqNo: 949790		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	12	0.50	12.00	0	98.2	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
- R RPD outside accepted recovery limits
- 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512A24

11-Jan-16

Client: EPCOR Water
Project: EWWTP

Sample ID: MB-22936	SampType: MBLK	TestCode: SM5210B: BOD								
Client ID: PBW	Batch ID: 22936	RunNo: 31105								
Prep Date: 12/23/2015	Analysis Date: 12/28/2015	SeqNo: 951864 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-22936	SampType: MBLK	TestCode: SM5210B: BOD								
Client ID: PBW	Batch ID: 22936	RunNo: 31105								
Prep Date: 12/23/2015	Analysis Date: 12/28/2015	SeqNo: 951865 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-22936	SampType: LCS	TestCode: SM5210B: BOD								
Client ID: LCSW	Batch ID: 22936	RunNo: 31105								
Prep Date: 12/23/2015	Analysis Date: 12/28/2015	SeqNo: 951866 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	230	2.0	198.0	0	117	75.9	137			

Sample ID: LCSD-22936	SampType: LCSD	TestCode: SM5210B: BOD								
Client ID: LCSS02	Batch ID: 22936	RunNo: 31105								
Prep Date: 12/23/2015	Analysis Date: 12/28/2015	SeqNo: 951867 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	160	2.0	198.0	0	80.4	75.9	137	36.9	20	R

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
- R RPD outside accepted recovery limits
- 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512A24

11-Jan-16

Client: EPCOR Water
 Project: EWWTP

Sample ID	MB-22930	SampType:	MBLK	TestCode:	SM 9223B Fecal Indicator: E. coli MPN					
Client ID:	PBW	Batch ID:	22930	RunNo:	31070					
Prep Date:	12/22/2015	Analysis Date:	12/23/2015	SeqNo:	950623	Units:	CFU/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
- R RPD outside accepted recovery limits
- 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512A24

11-Jan-16

Client: EPCOR Water
Project: EWWTP

Sample ID	MB-22954	SampType:	MBLK	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	PBW	Batch ID:	22954	RunNo:	31116					
Prep Date:	12/24/2015	Analysis Date:	12/29/2015	SeqNo:	952026	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-22954	SampType:	LCS	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	LCSW	Batch ID:	22954	RunNo:	31116					
Prep Date:	12/24/2015	Analysis Date:	12/29/2015	SeqNo:	952027	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- 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#: 1512A24

11-Jan-16

Client: EPCOR Water

Project: EWWTP

Sample ID	MB-23093	SampType:	MBLK	TestCode:	SM 4500 Norg C: TKN					
Client ID:	PBW	Batch ID:	23093	RunNo:	31335					
Prep Date:	1/6/2016	Analysis Date:	1/8/2016	SeqNo:	959362	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-23093	SampType:	LCS	TestCode:	SM 4500 Norg C: TKN					
Client ID:	LCSW	Batch ID:	23093	RunNo:	31335					
Prep Date:	1/6/2016	Analysis Date:	1/8/2016	SeqNo:	959363	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	10	1.0	10.00	0	101	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
- R RPD outside accepted recovery limits
- 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



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: **EPCOR-EDGEWOOD**

Work Order Number: **1512A24**

RcptNo. **1**

Received by/date:

[Signature]

12/22/15

Logged By:

Ashley Gallegos

12/22/2015 2:30:00 PM

[Signature]

Completed By:

Ashley Gallegos

12/22/2015 3:25:10 PM

[Signature]

Reviewed By:

[Signature]

12/22/15 @ 1555

Chain of Custody

1. Custody seals intact on sample bottles?
2. Is Chain of Custody complete?
3. How was the sample delivered?

Yes No Not Present
 Yes No Not Present

Client

Log In

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

Yes No NA
 Yes No NA
 Yes No
 Yes No
 Yes No NA
 Yes No No VOA Vials
 Yes No
 Yes No
 Yes No
 Yes No
 Yes No

of preserved bottles checked for pH:

[Signature] or >12 unless noted
 Adjusted? **No**

Checked by: *[Signature]*

Special Handling (if applicable)

16. 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:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.6	Good	Not Present			



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

February 05, 2016

Mike Butler
EPCOR Water
PO Box 370
Edgewood, NM 87015
TEL: (505) 228-6233
FAX

RE: EWWTP

OrderNo.: 1601A67

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/28/2016 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 #NM0190

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EPCOR Water
Project: EWWTP
Lab ID: 1601A67-001

Client Sample ID: Effluent
Collection Date: 1/28/2016 10:30:00 AM
Received Date: 1/28/2016 2:02:00 PM

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD							Analyst: MRA
Biochemical Oxygen Demand	DO Depletion<2.0	2.0		mg/L	1	2/3/2016 4:40:00 PM	23479
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: SMS
E. Coli	<1	1.000		CFU/100ml	1	1/29/2016 5:09:00 PM	23468

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

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
	R RPD outside accepted recovery limits	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#: 1601A67

05-Feb-16

Client: EPCOR Water
Project: EWWTP

Sample ID	MB-23479	SampType:	MBLK	TestCode:	SM5210B: BOD					
Client ID:	PBW	Batch ID:	23479	RunNo:	31920					
Prep Date:	1/29/2016	Analysis Date:	2/3/2016	SeqNo:	976513	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-23479	SampType:	MBLK	TestCode:	SM5210B: BOD					
Client ID:	PBW	Batch ID:	23479	RunNo:	31920					
Prep Date:	1/29/2016	Analysis Date:	2/3/2016	SeqNo:	976514	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-23479	SampType:	LCS	TestCode:	SM5210B: BOD					
Client ID:	LCSW	Batch ID:	23479	RunNo:	31920					
Prep Date:	1/29/2016	Analysis Date:	2/3/2016	SeqNo:	976515	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	170	2.0	198.0	0	87.5	61	138			

Sample ID	LCSD-23479	SampType:	LCSD	TestCode:	SM5210B: BOD					
Client ID:	LCSS02	Batch ID:	23479	RunNo:	31920					
Prep Date:	1/29/2016	Analysis Date:	2/3/2016	SeqNo:	976516	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	180	2.0	198.0	0	91.8	61	138	4.79	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
- R RPD outside accepted recovery limits
- 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#: 1601A67

05-Feb-16

Client: EPCOR Water

Project: EWWTP

Sample ID	MB-23468	SampType:	MBLK	TestCode:	SM 9223B Fecal Indicator: E. coli MPN					
Client ID:	PBW	Batch ID:	23468	RunNo:	31818					
Prep Date:	1/28/2016	Analysis Date:	1/29/2016	SeqNo:	973699	Units:	CFU/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
- R RPD outside accepted recovery limits
- 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



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 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: EPCOR-EDGEWOOD

Work Order Number: 1601A67

RcptNo: 1

Received by/date: JA 01/28/10

Logged By: Ashley Gallegos

1/28/2016 2:02:00 PM

Completed By: Ashley Gallegos

1/28/2016 2:31:53 PM

Reviewed By: mg ups/16 @ 1525

Chain of Custody

- 1. Custody seals intact on sample bottles? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Client

Log In

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

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

- 16. 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: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	8.9	Good	Not Present			



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

March 03, 2016

Mike Butler
EPCOR Water
PO Box 370
Edgewood, NM 87015
TEL: (505) 228-6233
FAX

RE: Edgewood WWTP

OrderNo.: 1602A27

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/24/2016 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 #NM0190

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EPCOR Water
Project: Edgewood WWTP
Lab ID: 1602A27-001

Client Sample ID: Effluent
Collection Date: 2/24/2016 12:55:00 PM
Received Date: 2/24/2016 2:38:00 PM

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD							Analyst: MRA
Biochemical Oxygen Demand	DO Depletion<2.0	2.0		mg/L	1	3/1/2016 3:04:00 PM	23940
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: SRM
E. Coli	<1	1.000		CFU/100ml	1	2/25/2016 4:29:00 PM	23927

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

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
	R RPD outside accepted recovery limits	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#: 1602A27

03-Mar-16

Client: EPCOR Water
Project: Edgewood WWTP

Sample ID MB-23940	SampType: MBLK	TestCode: SM5210B: BOD								
Client ID: PBW	Batch ID: 23940	RunNo: 32532								
Prep Date: 2/25/2016	Analysis Date: 3/1/2016	SeqNo: 995256							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-23940	SampType: MBLK	TestCode: SM5210B: BOD								
Client ID: PBW	Batch ID: 23940	RunNo: 32532								
Prep Date: 2/25/2016	Analysis Date: 3/1/2016	SeqNo: 995257							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-23940	SampType: LCS	TestCode: SM5210B: BOD								
Client ID: LCSW	Batch ID: 23940	RunNo: 32532								
Prep Date: 2/25/2016	Analysis Date: 3/1/2016	SeqNo: 995258							Units: mg/L	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	150	2.0	198.0	0	77.5	61	138			

Sample ID LCSD-23940	SampType: LCSD	TestCode: SM5210B: BOD								
Client ID: LCSS02	Batch ID: 23940	RunNo: 32532								
Prep Date: 2/25/2016	Analysis Date: 3/1/2016	SeqNo: 995259							Units: mg/L	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	170	2.0	198.0	0	86.1	61	138	10.5	20	

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 |
| R RPD outside accepted recovery limits | 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#: 1602A27

03-Mar-16

Client: EPCOR Water
Project: Edgewood WWTP

Sample ID	MB-23927	SampType:	MBLK	TestCode:	SM 9223B Fecal Indicator: E. coli MPN					
Client ID:	PBW	Batch ID:	23927	RunNo:	32444					
Prep Date:	2/24/2016	Analysis Date:	2/25/2016	SeqNo:	992169	Units:	CFU/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
- R RPD outside accepted recovery limits
- 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: **EPCOR-EDGEWOOD**

Work Order Number: **1802A27**

RcptNo: **1**

Received by/date: AT 02/24/16

Logged By: **Joe Archuleta** **2/24/2016 2:38:00 PM** *JEH*

Completed By: **Joe Archuleta** **2/24/2016 3:29:23 PM** *JEH*

Reviewed By: TO 02/24/16 @ 1626

Chain of Custody

- Custody seals intact on sample bottles? Yes No Not Present
- Is Chain of Custody complete? Yes No Not Present
- How was the sample delivered? Client

Log In

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

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

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

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

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	8.1	Good	Not Present			



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

March 31, 2016

Mike Butler
EPCOR Water
PO Box 370
Edgewood, NM 87015
TEL: (505) 228-6233
FAX

RE: EWWTP

OrderNo.: 1603754

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/15/2016 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 #NM0190

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EPCOR Water

Client Sample ID: Effluent

Project: EWWTP

Collection Date: 3/15/2016 8:30:00 AM

Lab ID: 1603754-001

Matrix: AQUEOUS

Received Date: 3/15/2016 1:55:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD							Analyst: MRA
Biochemical Oxygen Demand	DO Depletion<2.0	2.0		mg/L	1	3/21/2016 3:13:00 PM	24279
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: MRA
E. Coli	<1	1.000		CFU/100ml	1	3/16/2016 5:28:00 PM	24263
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	220	10		mg/L	20	3/16/2016 3:27:40 AM	R32825
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: KS
Total Dissolved Solids	791	20.0	*	mg/L	1	3/18/2016 4:13:00 PM	24296
SM 4500 NORG C: TKN							Analyst: CJS
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1	3/28/2016 2:21:00 PM	24444

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

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
	R	RPD outside accepted recovery limits	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#: 1603754

31-Mar-16

Client: EPCOR Water

Project: EWWTP

Sample ID	MB	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBW	Batch ID:	R32825	RunNo:	32825					
Prep Date:		Analysis Date:	3/15/2016	SeqNo:	1005999	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:	R32825	RunNo:	32825					
Prep Date:		Analysis Date:	3/15/2016	SeqNo:	1006000	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	96.9	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
- R RPD outside accepted recovery limits
- 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#: 1603754

31-Mar-16

Client: EPCOR Water

Project: EWWTP

Sample ID	MB-24279	SampType:	MBLK	TestCode:	SM5210B: BOD					
Client ID:	PBW	Batch ID:	24279	RunNo:	32961					
Prep Date:	3/16/2016	Analysis Date:	3/21/2016	SeqNo:	1010973	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-24279	SampType:	MBLK	TestCode:	SM5210B: BOD					
Client ID:	PBW	Batch ID:	24279	RunNo:	32961					
Prep Date:	3/16/2016	Analysis Date:	3/21/2016	SeqNo:	1010974	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-24279	SampType:	LCS	TestCode:	SM5210B: BOD					
Client ID:	LCSW	Batch ID:	24279	RunNo:	32961					
Prep Date:	3/16/2016	Analysis Date:	3/21/2016	SeqNo:	1010975	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	210	2.0	198.0	0	105	61	138			

Sample ID	LCSD-24279	SampType:	LCSD	TestCode:	SM5210B: BOD					
Client ID:	LCSS02	Batch ID:	24279	RunNo:	32961					
Prep Date:	3/16/2016	Analysis Date:	3/21/2016	SeqNo:	1010976	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	200	2.0	198.0	0	101	61	138	3.68	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
- R RPD outside accepted recovery limits
- 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

WO#: 1603754

Hall Environmental Analysis Laboratory, Inc.

31-Mar-16

Client: EPCOR Water

Project: EWWTP

Sample ID	MB-24263	SampType:	MBLK	TestCode:	SM 9223B Fecal Indicator: E. coli MPN					
Client ID:	PBW	Batch ID:	24263	RunNo:	32890					
Prep Date:	3/15/2016	Analysis Date:	3/16/2016	SeqNo:	1008245	Units:	CFU/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
- R RPD outside accepted recovery limits
- 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#: 1603754

31-Mar-16

Client: EPCOR Water

Project: EWWTP

Sample ID	MB-24296	SampType:	MBLK	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	PBW	Batch ID:	24296	RunNo:	32903					
Prep Date:	3/17/2016	Analysis Date:	3/18/2016	SeqNo:	1008504	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-24296	SampType:	LCS	TestCode:	SM2540C MOD: Total Dissolved Solids					
Client ID:	LCSW	Batch ID:	24296	RunNo:	32903					
Prep Date:	3/17/2016	Analysis Date:	3/18/2016	SeqNo:	1008505	Units:	mg/L			
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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- 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#: 1603754

31-Mar-16

Client: EPCOR Water
Project: EWWTP

Sample ID	MB-24444	SampType:	MBLK	TestCode:	SM 4500 Norg C: TKN					
Client ID:	PBW	Batch ID:	24444	RunNo:	33113					
Prep Date:	3/25/2016	Analysis Date:	3/28/2016	SeqNo:	1016268	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-24444	SampType:	LCS	TestCode:	SM 4500 Norg C: TKN					
Client ID:	LCSW	Batch ID:	24444	RunNo:	33113					
Prep Date:	3/25/2016	Analysis Date:	3/28/2016	SeqNo:	1016269	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	10	1.0	10.00	0	101	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
- R RPD outside accepted recovery limits
- 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: EPCOR-EDGEWOOD

Work Order Number: 1803754

RcptNo: 1

Received by/date: *AM* *03/15/16*

Logged By: Lindsay Mangin 3/15/2016 1:55:00 PM *Judy Mangin*

Completed By: Lindsay Mangin 3/15/2016 2:18:53 PM *Judy Mangin*

Reviewed By: *AM* *03/15/16* *@ 1430*

Chain of Custody

- 1. Custody seals intact on sample bottles? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Client

Log In

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

of preserved bottles checked for pH: *2* (*<2 or >12 unless noted*)

Adjusted? *No*

Checked by: *[Signature]*

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: eMail Phone Fax In Person

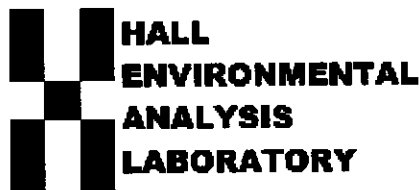
Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Not Present			



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

April 12, 2016

Mike Butler
EPCOR Water
PO Box 370
Edgewood, NM 87015
TEL: (505) 228-6233
FAX

RE: EWWTP

OrderNo.: 1603D40

Dear Mike Butler:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/28/2016 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 #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, Inc.

CLIENT: EPCOR Water

Client Sample ID: Effluent

Project: EWWTP

Collection Date: 3/28/2016 10:30:00 AM

Lab ID: 1603D40-001

Matrix: AQUEOUS

Received Date: 3/28/2016 2:15:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
SM5210B: BOD							Analyst: MRA
Biochemical Oxygen Demand	DO Depletion<2.0	2.0		mg/L	1	4/4/2016 11:07:00 AM	24506
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: tnc
E. Coli	<1	1.000		CFU/100ml	1	3/29/2016 4:54:00 PM	24475
EPA METHOD 300.0: ANIONS							Analyst: LGT
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	3/28/2016 6:51:02 PM	R33136
Nitrogen, Nitrate (As N)	1.2	0.10		mg/L	1	3/28/2016 6:51:02 PM	R33136

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

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
	R RPD outside accepted recovery limits	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#: 1603D40

12-Apr-16

Client: EPCOR Water
Project: EWWTP

Sample ID MB	SampType: MBLK		TestCode: EPA Method 300.0: Anions							
Client ID: PBW	Batch ID: R33136		RunNo: 33136							
Prep Date:	Analysis Date: 3/28/2016		SeqNo: 1017429		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	SampType: LCS		TestCode: EPA Method 300.0: Anions							
Client ID: LCSW	Batch ID: R33136		RunNo: 33136							
Prep Date:	Analysis Date: 3/28/2016		SeqNo: 1017431		Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	0.94	0.10	1.000	0	94.3	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	102	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
- R RPD outside accepted recovery limits
- 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#: 1603D40

12-Apr-16

Client: EPCOR Water
Project: EWWTP

Sample ID	MB-24506	SampType:	MBLK	TestCode:	SM5210B: BOD					
Client ID:	PBW	Batch ID:	24506	RunNo:	33268					
Prep Date:	3/30/2016	Analysis Date:	4/4/2016	SeqNo:	1021885	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-24506	SampType:	MBLK	TestCode:	SM5210B: BOD					
Client ID:	PBW	Batch ID:	24506	RunNo:	33268					
Prep Date:	3/30/2016	Analysis Date:	4/4/2016	SeqNo:	1021886	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-24506	SampType:	LCS	TestCode:	SM5210B: BOD					
Client ID:	LCSW	Batch ID:	24506	RunNo:	33268					
Prep Date:	3/30/2016	Analysis Date:	4/4/2016	SeqNo:	1021887	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	160	2.0	198.0	0	79.4	61	138			

Sample ID	LCSD-24506	SampType:	LCSD	TestCode:	SM5210B: BOD					
Client ID:	LCSS02	Batch ID:	24506	RunNo:	33268					
Prep Date:	3/30/2016	Analysis Date:	4/4/2016	SeqNo:	1021888	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	72.6	61	138	8.98	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
- R RPD outside accepted recovery limits
- 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#: 1603D40

12-Apr-16

Client: EPCOR Water

Project: EWWTP

Sample ID	MB-24475	SampType:	MBLK	TestCode:	SM 9223B	Fecal Indicator:	E. coli	MPN			
Client ID:	PBW	Batch ID:	24475	RunNo:	33145						
Prep Date:	3/28/2016	Analysis Date:	3/29/2016	SeqNo:	1017685	Units:	CFU/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
- R RPD outside accepted recovery limits
- 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