

BIO CHEM LAB, INC. PHONE: 254.829.8001 FAX: 254.829.8013
4751 TOKIO ROAD - WEST, TX 76691

ANALYTICAL REPORTS**CLIENT IDENTIFICATION INFORMATION:**

CITY OF LOTT
P.O. BOX 398
LOTT, TX 76656-0398
CLIENT CONTACT: ANNITA TINDLE
PHONE: 254.584.2681

NOVEMBER 2018 CITY OF LOTT DWQP

REPORT ID: LOT- 112718
LAB CONTACT: ANDREW JANEK
REPORT DATE: 11.27.18
EFFLUENT

FIELD DATA / SAMPLE DESCRIPTION / METHOD

	PBCU001 EWQP E SOUTH ALLEY	DS01 DSTWQP NE CYPRESS ST	DS01 DSTWQP LAKEHOUSE
Collection Point			
Date/ Time Collected	11.7.18 / 11:20	11.7.18 / 11:30	11.7.18 / 11:38
Date/ Time received by Lab	11.7.18 / 16:20	11.7.18 / 16:20	11.7.18 / 16:20
Laboratory Sample ID	12410-18	12411-18	12412-18
Sampling Description/Procedure	Client Collected	Client Collected	Client Collected
Sample Type	Grab	Grab	Grab
Sample Matrix	Aqueous-PW	Aqueous-PW	Aqueous-PW
!!-1 pH, SU SM ₂₀ 4500-H+ -B.	7.5	7.5	7.3
!!-1 Temperature, C	22.1	21.8	21.2
Collector	S. Webre / S. Marse	S. Webre / S. Marse	S. Webre / S. Marse

PARAMETER / UNIT / METHOD

Total Dissolved Solids, mg/L SM ₂₀ 2540-C	248.	278.	260.
Reporting Limit, mg/L	20.	20.	20.
Dilution Factor	1	1	1
Date / Time Analyzed	11.8.18 / 16:30	11.8.18 / 16:30	11.8.18 / 16:30
Analyst Initials	SW	SW	SW

Chloride, mg/L EPA-300.0	48.9	54.7	55.3
Reporting Limit, mg/L	1.00	1.00	1.00
Dilution Factor	10	10	10
Date / Time Analyzed	11.19.18 / 18:25	11.19.18 / 18:45	11.19.18 / 19:04
Analyst Initials	JLJ	JLJ	JLJ

Sulfate, mg/L EPA-300.0	35.1	41.5	33.8
Reporting Limit, mg/L	1.00	1.00	1.00
Dilution Factor	10	10	10
Date / Time Analyzed	11.19.18 / 18:25	11.19.18 / 18:45	11.19.18 / 19:04
Analyst Initials	JLJ	JLJ	JLJ

Electrical Conductivity, µmhos SM ₂₀ -2510-B	488.	491.	500.
Reporting Limit, µmhos	100.	100.	100.
Dilution Factor	1	1	1
Date Analyzed	11.9.18 / 16:00	11.9.18 / 16:00	11.9.18 / 16:00
Analyst Initials	AJ	AJ	AJ

ANALYTICAL NOTES, INTERPRETATIONS, METHOD DEVIATIONS OR ENVIRONMENTAL CONDITIONS:

PW - POTABLE WATER

!!-1 - pH and Temperature read in the field at the time of collection.

STATEMENT OF COMPLIANCE/NON-COMPLIANCE:

The above analytical data was derived from submitted samples that have met all established acceptance criteria, unless otherwise qualified, and are compliant with the laboratory's Quality System. The Director of Operations or designee has authorized the release of this report. The results contained herein relate only to the Laboratory Sample ID(s) documented above. This analytical test report may not be reproduced except in full, without the written approval of the laboratory.

Quality Assurance / Quality Control Data associated with results within this report are documented in the attached QA/QC Report.

Please contact 254.829.8001 with any questions or concerns.



Andrew Janek, Technical Director
Bio Chem Lab, Inc.

**DATA QUALIFIERS**

HT- Holding Time T- Thermal preservation P- pH Preservation V- Sample Volume Inadequate ND- Not Detected
O- Outside of Laboratory's Accreditation L- Laboratory Error Q- Failed Quality Data

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QUALITY CONTROL DATA SUMMARY**ANALYTICAL BATCH QC**TDS SM₂₀ 2540-C

DATE	SETUP ID	BATCH ID	ANALYST
11.8.18	DS-110818-03	DS-110818-03-01	SW
SAMPLE ID:	RESULT 1	RESULT 2	% DEV
12400-18	450	476	2.8
SPIKE ID:	RESULT 1	RESULT 2	% REC
12302-18	470	932	92.4
BLANK, mg/L	ND	LCS, %REC	98.1

CHLORIDE EPA-300.0

SETUP DATE	SEQUENCE ID		ANALYST	
11.21.18	IC-112118-10		JLJ	
SAMPLE ID	RESULT 1	RESULT 2		% DEV
12737-18	52.8	53.5		0.7
12779-18	212.5	213.9		0.3
SPIKE ID:	RESULT 1	RESULT 2		% REC
12737-18	52.8	135.5		82.7
12779-18	212.5	437.2		112.4
IPCS-1 % REC	99.9	IPCS-2 % REC	109.5	
LCS % REC	102.2	LCSD % REC	102.3	
BLANK, mg/L	ND	QCS % REC	-----	

SULFATE EPA-300.0

SETUP DATE	SEQUENCE ID		ANALYST	
11.21.18	IC-112118-10		JLJ	
SAMPLE ID	RESULT 1	RESULT 2		% DEV
12737-18	18.5	18.1		1.1
12779-18	127.8	130.4		1.0
SPIKE ID:	RESULT 1	RESULT 2		% REC
12737-18	18.5	112.0		93.5
12779-18	127.8	365.6		118.9
IPCS-1 % REC	103.7	IPCS-2 % REC	106.3	
LCS % REC	106.6	LCSD % REC	106.4	
BLANK, mg/L	ND	QCS % REC	-----	

ELECTRICAL CONDUCTIVITY SM20-2510-B

SETUP DATE	SETUP ID		ANALYST	
11.9.18	EC-110918-01		AJ	
SAMPLE ID	RESULT 1	RESULT 2		% DEV
12411-18	491	495		0.4
50271964	1450	1400		1.8
LCS % REC	102.8	LCSD % REC	99.3	
BLANK, mg/L	ND	QCS % REC	-----	

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PHONE: 254.584.2681**NOVEMBER 2018 CITY OF LOTT DWQP****REPORT ID:** LOT- 112718
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REPORT DATE: 11.27.18**QUALITY CONTROL DATA LEGEND****QC DATA LEGEND - ACCEPTABLE RANGES****TDS ANALYSIS**% DEV: PRECISION ACCEPTABLE RANGE 0-10%
LCS % REC: ACCEPTABLE RECOVERY 80-120%
MS % REC: ACCEPTABLE RECOVERY 80-120%
BLANK: < 0.0005 g**ANION ANALYSIS**% DEV: PRECISION ACCEPTABLE RANGE 0-10%
BLANK: LESS THAN 0.05 mg/L OF TARGET ANION
LCS % REC/ QCS: ACCEPTABLE RECOVERY 90-110%
MS % REC: ACCEPTABLE RECOVERY 80-120% (SPIKE)
IPCS-1 % REC: ACCEPTABLE RECOVERY 90-110% (INSTRUMENT PERFORMANCE CHECK / INITIAL
IPCS-2 % REC: ACCEPTABLE RECOVERY 90-110% (INSTRUMENT PERFORMANCE CHECK / FINAL**ELECTRICAL CONDUCTIVITY**% DEV: PRECISION ACCEPTABLE RANGE 0-10%
LCS % REC: ACCEPTABLE RECOVERY 80-120%
MS % REC: ACCEPTABLE RECOVERY 80-120%
BLANK: < 10.0g**QUALITY DATA NOTES / INTERPRETATIONS / NONCONFORMANCES:****NONE TO REPORT****DATA QUALIFIERS FOR OUT OF RANGE QUALITY ACCEPTANCE CRITERIA****Q1** -BLANK (METHOD SPECIFIC) **Q2** -LCS (80-120% RECOVERY) **Q3** -SPIKE / MATRIX SPIKE DUPLICATE (80-120% RECOVERY)
Q4 - PRECISION / DUPLICATE ((0-10% DEVIATION) TSS (0-5% DEVIATION)) **QM** - MICRO NARRATIVE

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FINAL REPORT REVIEW: