



P.O. Box 1089 Coldspring, Texas 77331

Website: eastexlabs.com

Email: eastexlab@eastex.net

Tel: 936 653 3249



Laboratory Analysis Report

Client: Galveston County MUD 12
TOPS
9835 Whithorn Dr
Houston, TX 77095

Project ID: GC MUD 12 Effluent
Report for: October, 2020
Customer ID: C-GAL12
Page 1 of 1

SAMPLING DATA	DATE COLLECTED	10/1/2020	10/1/2020	10/8/2020	Method No.	
		DATE RECEIVED	10/1/2020	10/1/2020	10/8/2020	Avg
	TIME COLLECTED	9:20	9:20	8:35		
	SAMPLING POINT	Effluent	Effluent	Effluent		
	TYPE OF SAMPLE	Grab	Grab	Grab		
	COLLECTED BY	WGW	WGW	DCH		
	SAMPLE NUMBER	COJ0079-01	COJ0080-01	COJ1614-01		
FIELD DATA		10/1/2020		10/8/2020		
		9:20		8:35		
		WGW		DCH		
SM 4500 O G	DO (mg/L)	7.5		7.2		
	Flow (MGD)	0.251		0.624		
SM 4500 H + B	pH (std unit)	7.3		7.1		

ANALYSIS DATA

BOD 5 mg/L *A	Results Analysis Date Analyst	<2.0 10/2/2020 8:00 JRH		<2.0 10/9/2020 8:00 JRH		SM 5210 B 2.00 2 7.30
Enterococcus mpn/100ml *A	Results Analysis Date Analyst		4 10/1/2020 14:55 ACW			Enterolert IDEXX GeoMean 4.00
TSS mg/L *A	Results Analysis Date Analyst	2.9 10/2/2020 14:52 CSW		10.0 10/9/2020 16:33 WLS		SM 2540 D 6.45 10 29.1
TVSS mg/L *A	Results Analysis Date Analyst	2.2 10/5/2020 15:00 CSW		7.8 10/12/2020 14:00 WLS		EPA 160.4 5.00 7.8 22.6

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

COJ0079-01	BOD 5	13	LCS associated with sample batch outside of acceptance limits.
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Sampling and analyses are performed in accordance with EPA and TCEQ guidelines for QA. Records are available for inspection. Field tests, bacteriologicals, phenols, and oil and grease analyses are performed on grab samples; see the chain of custody for complete details. All Field Data marked "Clie" are reported at the request of our client. Eastex has no bearing on the accuracy, nor the method used in these instances. All metal analyses are performed at the Coldspring Laboratory unless otherwise indicated. Alkalinity titrated to pH 4.5 endpoint. The test results in this report relate only to the samples received and the report shall not be reproduced except in full with the approval of the laboratory.

Natalia Bondar – Wet Lab Technical Director



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Laboratory Analysis Report

Client:	Galveston County MUD 12 TOPS 9835 Whithorn Dr Houston, TX 77095	Project ID:	GC MUD 12 Influent
		Report for:	October, 2020
		Customer ID:	C-GAL12
			Page 1 of 1

SAMPLING DATA	DATE COLLECTED	10/1/2020	10/8/2020			Method No.	
						Avg	Max #/Day
	DATE RECEIVED	10/1/2020	10/8/2020				
	TIME COLLECTED	9:40	8:38				
	SAMPLING POINT	Influent	Influent				
	TYPE OF SAMPLE	Grab	Grab				
	COLLECTED BY	wgw	DCH				
	SAMPLE NUMBER	COJ0081-01	COJ1616-01				
FIELD DATA		10/1/2020	10/8/2020				
		9:40	8:38				
		wgw	DCH				
SM 4500 H + B	pH (std unit)	7.4	7.2				

ANALYSIS DATA

Parameter	Results	98.4	85.9			Method	Avg	Max
BOD 5 mg/L *A	Analysis Date: 10/2/2020 8:00 Analyst: JRH					SM 5210 B	92.2	98.4
TSS mg/L *A	Analysis Date: 10/2/2020 14:52 Analyst: CSW	185	128			SM 2540 D	156	185
TVSS mg/L *A	Analysis Date: 10/5/2020 15:00 Analyst: CSW	105	108			EPA 160.4	106	108

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

COJ0081-01	BOD 5	13	LCS associated with sample batch outside of acceptance limits.
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LABORATORY ANALYTICAL REPORT

Project: GC MUD 12 Aeration

Sample Site:	Aeration 1	Sample Number:	C0J1612-01		Collector:	DCH				
Sample Type:	Grab				Sampled:	10/08/2020 08:40				
Sample Matrix:	Waste				Received:	10/08/2020 15:02				
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes	
MLSS	2300	1.00	mg/L	N	B0J1281	10/09/2020 17:05	CSW	EPA 160.2		
MLVSS	1780	1.00	mg/L	N	B0J1268	10/12/2020 13:48	CSW	EPA 160.4		

Sample Site:	Aeration 2	Sample Number:	C0J1612-02		Collector:	DCH				
Sample Type:	Grab				Sampled:	10/08/2020 08:40				
Sample Matrix:	Waste				Received:	10/08/2020 15:02				
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes	
MLSS	1800	1.00	mg/L	N	B0J1281	10/09/2020 17:05	CSW	EPA 160.2		
MLVSS	1380	1.00	mg/L	N	B0J1268	10/12/2020 13:48	CSW	EPA 160.4		

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LABORATORY ANALYTICAL REPORT

Project: GC MUD 12 Digester

Sample Site:	Digester 1	Sample Number:	C0J1613-01		Collector:	DCH				
Sample Type:	Grab				Sampled:	10/08/2020 08:45				
Sample Matrix:	Waste				Received:	10/08/2020 15:02				
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes	
Percent Solid	2	0.1	%	A	B0J1490	10/12/2020 14:00	CSW	SM 2540G		
Volatile Percent Solid	53.3	0.1	%	A	B0J1486	10/13/2020 11:45	CSW	SM 2540G		

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EASTEX ENVIRONMENTAL LABORATORY, INC.
 P.O. Box 1089 • Coldespring, TX 77331
 (936) 653-3249 • (800) 525-0508
 P.O. Box 631375 • Nacogdoches, TX 75963-1375
 (936) 569-8879 • FAX (936) 569-8951
 www.eastexlabs.com

White Copy - Shows Samples
 Yellow Copy - Laboratory
 Pink Copy - Client Copy

REPORT TO:

INVOICE TO:

Company: LOKS
 Address: on file

Attn:
 Phone#:

Email:
 P.O. #:

Sampler's Name (print): Colb Harrison

Sampler's Signature: [Signature]

Project Name: ESC MOD 12

Work Order ID: 1614

Sample ID: EFF

Date: 10/8/20

Time: 0835

Matrix: ww

C or G: G

DO: 7.2

pH: 7.1

CI2:

Flow: 22.68

Temp: 26.8

Remarks: Flow Meter 624.3

INSTRUCTIONS:
 C or G: C = Composite G = Grab
 Matrix: DW=Drinking Water WW=Wastewater SO=Soil/Sludge OT=Other
 Container Size: 1=Gallon 2=1/2 Gallon 3=Quart/Liter 4=500mL 5=250mL
 6=125mL (4oz) 7=60mL (2oz) 8=40mL Vial 9=Other
 Type: P=Plastic G=Glass T=Teflon S=Sterile
 Preservatives: C=Chilled S=Sulfuric Acid N=Nitric Acid B=Base/Caustic Z=Zn Acetate
 ST=Sodium Thiosulfate H=HCL O=Other

Field Data

Containers

Work Order ID	Sample ID	Date	Time	Matrix	C or G	DO	pH	CI2	Flow	Temp	#	Size	Type	Pres
1614	EFF	10/8/20	0835	ww	G	7.2	7.1		22.68	26.8	2	3	P	C
1616	INT	10/8/20	0838	ww	G		7.2				2	5	P	C
1612	Acc-1	10/8/20	0840	ww	G						1	5	P	C
1612	Acc-2	10/8/20	0840	ww	G						1	5	P	C
1613	Dig-1	10/8/20	0845	ww	G						1	5	P	C

ANALYSIS REQUESTED
 BOD5, TSS, TVSS
 BOD5, TSS, TVSS
 MLSS, MLVSS
 Percent Solid, Volatile Percent

Relinquished By: Received By: Date: Time:

Relinquished By: Received By: Date: Time:

Relinquished By: Received By: Date: Time:

LAB USE ONLY: Sample Condition Acceptable: YES / NO Date: Time:

Alternate Check In: Date: Time:

*Thermometer has 0.0 factor and recorded temperature is actual temperature