



P.O. Box 1089 Coldspring, Texas 77331

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**Laboratory Analysis Report**

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

Project ID: GC MUD 12 Effluent  
Report for: July, 2020  
Customer ID: C-GAL12  
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SAMPLING DATA	DATE COLLECTED	7/2/2020	7/2/2020			Method No.	
		DATE RECEIVED	7/2/2020			7/2/2020	Avg
	TIME COLLECTED	9:45	9:45				
	SAMPLING POINT	Effluent	Effluent				
	TYPE OF SAMPLE COLLECTED BY	Grab	Grab				
	SAMPLE NUMBER	COG0425-01	COG0426-01				
FIELD DATA		7/2/2020					
		9:45					
		WGW					
SM 4500 O G	DO(mg/L)	6.9					
	Flow(MGD)	0.304					
SM 4500 H + B	pH(std unit)	7.0					

**ANALYSIS DATA**

BOD 5 mg/L *A	Results	4.3				SM 5210 B	
	Analysis Date	7/2/2020 17:00				4.30	4.3
	Analyst	JRH					10.9
Enterococcus mpn/100ml *A	Results		<10			Enterolert IDEXX	
	Analysis Date		7/2/2020 15:32			GeoMean	
	Analyst		ACW			10.0	
TSS mg/L *A	Results	19.0				SM 2540 D	
	Analysis Date	7/3/2020 13:16				19.0	19
	Analyst	NLS					48.2
TVSS mg/L *A	Results	15.7				EPA 160.4	
	Analysis Date	7/6/2020 14:50				15.7	15.7
	Analyst	CSW					39.8

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

COG0425-01	BOD 5	1	Dilution water blank > 0.20 mg/L DO uptake.
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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**

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9835 Whithorn Dr  
Houston, TX 77095

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

SAMPLING DATA	DATE COLLECTED	7/2/2020					
	DATE RECEIVED	7/2/2020					
	TIME COLLECTED	9:40					
	SAMPLING POINT	Influent					
	TYPE OF SAMPLE	Grab					
	COLLECTED BY	WGW					
	SAMPLE NUMBER	COG0427-01					
						Method No.	
						Avg	Max
							#/Day
FIELD DATA		7/2/2020					
		9:40					
		WGW					
SM 4500 H + B	pH(std unit)	7.3					

**ANALYSIS DATA**

BOD 5 mg/L *A	Results	168				SM 5210 B	
	Analysis Date	7/2/2020 17:00				168	168
	Analyst	JRH					
TSS mg/L *A	Results	180				SM 2540 D	
	Analysis Date	7/3/2020 13:16				180	180
	Analyst	NLS					
TVSS mg/L *A	Results	164				EPA 160.4	
	Analysis Date	7/6/2020 14:50				164	164
	Analyst	CSW					

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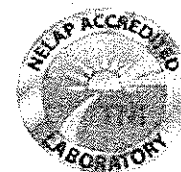
COG0427-01	BOD 5	1	Dilution water blank > 0.20 mg/L DO uptake.
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Sampling and analyses are performed in accordance with EPA and TCEQ guidelines for QA. Records are available for inspection. Field tests, bacteriologicals, phenols, and oil and grease analyses 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.

  
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### LABORATORY ANALYTICAL REPORT

Project: GC MUD 12 Aeration

Sample Site:	Aeration 1	Sample Number:	C0G0423-01		Collector:	WGW				
Sample Type:	Grab				Sampled:	07/02/2020 09:25				
Sample Matrix:	Waste				Received:	07/02/2020 14:55				
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes	
MLSS	2960	1.00	mg/L	N	B0G0506	07/03/2020 10:45	NLS	EPA 160.2		
MLVSS	2390	1.00	mg/L	N	B0G0493	07/06/2020 12:00	CSW	EPA 160.4		
Sample Site:	Aeration 2	Sample Number:	C0G0423-02		Collector:	WGW				
Sample Type:	Grab				Sampled:	07/02/2020 09:27				
Sample Matrix:	Waste				Received:	07/02/2020 14:55				
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes	
MLSS	2710	1.00	mg/L	N	B0G0506	07/03/2020 10:45	NLS	EPA 160.2		
MLVSS	2170	1.00	mg/L	N	B0G0493	07/06/2020 12:00	CSW	EPA 160.4		

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**LABORATORY ANALYTICAL REPORT**

Project: GC MUD 12 Digester

Sample Site:	Digester 1	Sample Number:	C0G0424-01		Collector:	WGW				
Sample Type:	Grab				Sampled:	07/02/2020 09:30				
Sample Matrix:	Waste				Received:	07/02/2020 14:55				
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes	
Percent Solid	0.9	0.1	%	A	B0G0858	07/07/2020 15:29	KMW	SM 2540G		
Volatile Percent Solid	59.5	0.1	%	A	B0G0830	07/08/2020 13:08	KMW	SM 2540G		

Sample Site:	Digester 2	Sample Number:	C0G0424-02		Collector:	WGW				
Sample Type:	Grab				Sampled:	07/02/2020 09:33				
Sample Matrix:	Waste				Received:	07/02/2020 14:55				
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes	
Percent Solid	1.2	0.1	%	A	B0G0858	07/07/2020 15:29	KMW	SM 2540G		
Volatile Percent Solid	68.4	0.1	%	A	B0G0830	07/08/2020 13:08	KMW	SM 2540G		

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**LABORATORY ANALYTICAL REPORT**

Project: GC MUD 12 Special Effluent

Sample Site:	Effluent	Sample Number:	C0G0429-01		Collector:	WGW	
Sample Type:	Grab				Sampled:	07/02/2020	9:45
Sample Matrix:	Water				Received:	07/02/2020	09:45
Client Matrix:	Water						

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Chlorine	1.4	0.1	mg/L	N	B0G0429	07/02/2020 09:45	WGW	SM 4500 Cl F	
DO	6.9		mg/L	N	B0G0429	07/02/2020 09:45	WGW	SM 4500 O G	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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*Mark Bourgeois*

Mark Bourgeois, Special Projects Manager

**Qualifiers**



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**LABORATORY ANALYTICAL REPORT**

Project: GC MUD 12 Pipe Discharge Special

Sample Site:	Discharge	Sample Number:	C0G0428-01		Collector:	WGW			
Sample Type:	Grab				Sampled:	07/02/2020	9:20		
Sample Matrix:	Water				Received:	07/02/2020	09:20		
Client Matrix:	Water								

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Chlorine	1.4	0.1	mg/L	N	B0G0400	07/02/2020 09:20	WGW	SM 4500 Cl F	
DO	6.9		mg/L	N	B0G0400	07/02/2020 09:20	WGW	SM 4500 O G	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Mark Bourgeois, Special Projects Manager

**Qualifiers**