

Heading : Eastex Report of samples collected by residents

We do not know at this time if EPA has limits for tidal canals. I will have more information on this topic at our monthly Mud meeting.

Sample 1 labeled as outfall solids was the small amount that was in the ziplock bag. This fecal Coliform IDEXX was 138000. However this was a total concentrated and was a very small sample. This mixed with the appropriate amount of effluent would have a total different rating. It was too small to determine the amount of oil/grease however they were able to determine it was the binding constituent.

Sample 2 labeled canal sample (second page) shows Fecal Coliform IDEXX @ 15000. It shows the sample was 74.5% water - 5.5 % solids The Volatile % of the solids was 77.5% meaning that 22.5% was not Volatile. This non-volatile material is sand . metals etc. The Volatile material is a mixture of everything - Wildlife solids, plant solids, Recreational solids, Mud 12 effluent and any organic matter. The oil / grease was 243 of the 15000. Also, Eastex on their own took a sample from the pier @ Louie's Bait Camp. The Volatile was 5000 and the % water the same.

Table 6:1 was in the Parsons Dredging report may 2018

Thank you
Mud Board



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Galveston County MUD 12
 TOPS
 2929 Hwy 6 Suite 300
 Bayou Vista, TX 77563

LABORATORY ANALYTICAL REPORT

Project: GC MUD 12 Effluent Solids

Sample Site:	Outfall Solids	Sample Number:	C0F5705-01		Collector:	PU
Sample Type:	Grab				Sampled:	06/20/2020 16:15
Sample Matrix:	Waste				Received:	06/25/2020 15:20
Client Matrix:	Sludge					

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Fecal Coliform IDEXX	138000	1000	mg/L	N	B0F3628	06/25/2020 16:36	ACW	Colilert 18	6

Colilert 18 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0F3628 - No Prep Micro										
Blank (B0F3628-BLK1)										
Fecal Coliform IDEXX	ND	1000	mg/L							Prepared & Analyzed: 06/25/20
Duplicate (B0F3628-DUP1)										
Fecal Coliform IDEXX	160000	1000	mg/L		150000			6.26	200	Prepared & Analyzed: 06/25/20

Mark Bourgeois

Mark Bourgeois, Special Projects Manager

Qualifiers

6 Sample not received within required holding time.

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Alkalinity titrated to pH 4.5 endpoint.



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LABORATORY ANALYTICAL REPORT

Project: GC MUD 12 Canal Solids

Sample Site:	Canal Solids	Sample Number:	C0F5706-01		Collector:	PU				
Sample Type:	Grab				Sampled:	06/20/2020	9:00			
Sample Matrix:	Waste				Received:	06/25/2020	15:20			
Client Matrix:	Sludge									
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes	
Fecal Coliform IDEXX	150000	1000	mpn/gram	N	B0F3628	06/25/2020 16:36	ACW	Colifert 18	6	
Oil Grease, HEM	243		mg/Kg	N	B0F3808	06/30/2020 09:00	AMS	EPA 1664A		
Percent Solid	5.5	0.1	%	A	B0F3576	06/26/2020 11:29	KMW	SM 2540G		
Volatile Percent Solid	77.5	0.1	%	A	B0F3574	06/29/2020 13:25	KMW	SM 2540G		



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SM 2540G - Quality Control
Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0F3574 - No Prep										
Blank (B0F3574-BLK1)					Prepared: 06/26/20 Analyzed: 06/29/20					
Volatile Percent Solid	ND	0.1	%							
Duplicate (B0F3574-DUP1)					Source: C0F4632-01 Prepared: 06/26/20 Analyzed: 06/29/20					
Volatile Percent Solid	77.3	0.1	%		74.5			3.69	10	
Batch B0F3576 - No Prep										
Blank (B0F3576-BLK1)					Prepared & Analyzed: 06/26/20					
Percent Solid	ND	0.1	%							
Duplicate (B0F3576-DUP1)					Source: C0F4632-01 Prepared & Analyzed: 06/26/20					
Percent Solid	1.4	0.1	%		1.4			0.00	20	
Batch B0F3628 - No Prep Micro										
Blank (B0F3628-BLK1)					Prepared & Analyzed: 06/25/20					
Fecal Coliform IDEXX	ND	1000	mpn/gram							
Duplicate (B0F3628-DUP1)					Source: C0F5706-01 Prepared & Analyzed: 06/25/20					
Fecal Coliform IDEXX	160000	1000	mpn/gram		150000			6.26	200	
Batch B0F3808 - No Prep										
Blank (B0F3808-BLK1)					Prepared & Analyzed: 06/30/20					
Oil Grease, HEM	0.800		mg/Kg							

Mark Bourgeois

Mark Bourgeois, Special Projects Manager

Qualifiers

6 Sample not received within required holding time.



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

REPORT TO: **GenMudra**

INVOICE TO: **GenMudra**

Company: **GenMudra**
 Address: **Mt Air**

Company: **GenMudra**
 Address: **Mt Air**

Attn: **Mt Air**

Attn: **Mt Air**

Phone#: **Mt Air**

Phone#: **Mt Air**

Email: **Mt Air**

INSTRUCTIONS:

P. O. #: **Mt Air**

C or G: **G=Composite G=Grab**
 Matrix: **DW=Drinking Water WW=Wastewater SO=Soil/Sludge OT=Other**

Sampler's Name (print): **Mt Air**

Container Size: **1=Gallon 2=1/2 Gallon 3=Quart/Liter 4=500mL 5=250mL**
6=125mL (4oz) 7=60mL (2 oz) 8=40mL Vial 9=Other

Sampler's Signature: **Mt Air**

Type: **P=Plastic G=Glass T=Teflon S=Stainless**

Project Name: **Mt Air**

Preservatives: **C=Chilled S=Sulfuric Acid N=Nitric Acid B=Base/Caustic Z=Zn Acetate**
ST=Sodium Thiosulfate H=HCL O=Other

Work Order ID: **1055705**

Field Data

Sample ID: **06**

Containers

Date: **4/15/20**

Matrix: **SO**

Time: **4:15 PM**

C or G: **G**

DO: **5.0**

pH: **7.5**

Flow: **1**

Temp: **13.2**

Temp: **15.0**

Size: **3**

Temp: **15.0**

Time: **1:50**

Temp: **15.0**

Time: **1:50**

Received: **YES**

Requested By: **Mt Air**

Received By: **Mt Air**

Date: **4/15/20**

Received: **YES**

Requested By: **Mt Air**

Received By: **Mt Air**

Date: **4/15/20**

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Received By: **Mt Air**

Date: **4/15/20**

Received: **YES**

Table 6.1 Sediment Sample Analytical Detections

			Sample Results				Screening Values
FieldID:			Bayou Vista Sediment Composite		Omega Bay Sediment Composite		TCEQ Sediment Benchmarks, Second-Effects Levels, and Benthic PCLS; January 31, 2017
Count	Parameter	Units	Result	Qualifier	Result	Qualifier	dry wt
1	Antimony	mg/Kg dry	0.3	J	0.22	J	2.0
2	Arsenic	mg/Kg dry	10.1		9.35		8.2
3	Beryllium	mg/Kg dry	1.05	J	0.798	J	
4	Cadmium	mg/Kg dry	0.255	J	0.132	J	1.2
5	Chromium (total)	mg/Kg dry	30.4		23.6		81
6	Chromium (3+)	mg/Kg dry	30.4	n	23.6	n	81*
7	Chrysene	ug/Kg dry	0	U	21	J	384
8	Copper	mg/Kg dry	27.0		22.6		34
9	Fluoranthene	ug/Kg dry	0	U	18.0	J	600
10	Indeno(1,2,3-cd) pyrene	ug/Kg dry	0	U	20.0	J	
11	Lead	mg/Kg dry	25.6		16.3		46.7
12	Mercury	mg/Kg dry	0.0531		0.0343		0.15
	Napthalene	ug/Kg dry	0	U	14.0	J	160
13	Nickel	mg/Kg dry	13.9		10.5		20.9
14	Zinc	mg/Kg dry	75.3		53.8		150
15	Pyrene	ug/Kg dry	15	J	24	J	665
16	bis(2-Ethylhexyl)phthalate	ug/Kg dry	32	J	53	J	182
17	di-n-octyl phthalate	ug/Kg dry	0	U	14	J	580
18	Ammonia (as Nitrogen)	mg/Kg dry	160		100		
19	Total Organic Carbon (TOC)	mg/Kg wet	13,600		11,600		
20	Total Petroleum Hydrocarbons (TPH)	mg/Kg dry	0	U	0	U	
21	% Solids	%	32.8	n	40.8	n	
	Gravel	%	0		0		
	Sand	%	2		4.6		
	Silt	%	53.5		57.8		
	Clay	%	44.5		37.6		

Legend/Data Qualifiers

U= Analyzed but not detected above the MDL/SDL

J= Analyte detected below quantitation limit

* = Total chromium criteria were utilized for trivalent chromium

n= Not offered for accreditation