



P.O. Box 1089 Coldspring Tx 77331
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January 24, 2020

Texas A&M Agrilife
Texas A and M AgriLife
1335 Regents Park Dr. Ste. 260
Houston, TX 77058

TX A and M Community Watershed Stormwater

Enclosed are the results of analyses for samples received by the laboratory on 01/14/20 15:20, with Lab ID Number C0A3043. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Mark Bourgeois". The signature is written in black ink and is positioned above a solid horizontal line.

Mark Bourgeois
Special Projects Manager



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 Houston TX, 77058

LABORATORY ANALYTICAL REPORT

Project: TX A and M Community Watershed Ambient
 Sample Matrix: Water
 Client Matrix: Water

Sample Date & Time: 01/13/2020 14:04
 Collector: CT
 Sample Type: Grab
 Print Date: 1/24/2020

**UTRP 102-8
 C0A3043-01 (Water)**

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
<u>Metals</u>								
Total Phosphorus	<0.0600	0.0600	mg/L	A	B0A2562	01/22/2020 17:04	EPA 200.7	
<u>Microbiological Lab</u>								
E coli IDEXX	10	10	mpn/100ml	A	B0A1872	01/14/2020 16:07	Colilert 18	
<u>Wet Lab</u>								
Ammonia as N	0.5	0.1	mg/L	A	B0A2597	01/21/2020 14:26	SM 4500 NH3 G	
Nitrate+Nitrite as N	0.11	0.02	mg/L	A	B0A2486	01/21/2020 08:30	SM 4500 NO3 F	
TSS	4.0	1.0	mg/L	A	B0A1841	01/15/2020 17:13	SM 2540 D	



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SM 2540 D - Quality Control
Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0A1841 - No Prep										
Blank (B0A1841-BLK1)					Prepared & Analyzed: 1/15/2020 5:13:00PM					
TSS	ND	1.0	mg/L							
Duplicate (B0A1841-DUP1)					Source: C0A2429-01 Prepared & Analyzed: 1/15/2020 5:13:00PM					
TSS	92.0	1.0	mg/L		90.0			2.20	10	
Batch B0A1872 - No Prep Micro										
Blank (B0A1872-BLK1)					Prepared & Analyzed: 1/14/2020 4:07:00PM					
E coli IDEXX	ND	1	mpn/100ml							
Duplicate (B0A1872-DUP1)					Source: C0A2657-01 Prepared & Analyzed: 1/14/2020 4:07:00PM					
E coli IDEXX	ND	2	mpn/100ml		2				200	
Batch B0A2486 - No Prep										
Blank (B0A2486-BLK1)					Prepared & Analyzed: 1/21/2020 8:30:00AM					
Nitrate+Nitrite as N	ND	0.02	mg/L							
LCS (B0A2486-BS1)					Prepared & Analyzed: 1/21/2020 8:30:00AM					
Nitrate+Nitrite as N	0.950		mg/L	1.00		95.0	90-110			
LCS Dup (B0A2486-BSD1)					Prepared & Analyzed: 1/21/2020 8:30:00AM					
Nitrate+Nitrite as N	0.980		mg/L	1.00		98.0	90-110	3.11	20	
MRL Check (B0A2486-MRL1)					Prepared & Analyzed: 1/21/2020 8:30:00AM					
Nitrate+Nitrite as N	0.0200		mg/L	0.0200		100	0-200			
Matrix Spike (B0A2486-MS1)					Source: C0A2750-02 Prepared & Analyzed: 1/21/2020 8:30:00AM					
Nitrate+Nitrite as N	1.13	0.02	mg/L	1.00	ND	113	80-120			
Batch B0A2562 - EPA 200.7										
Blank (B0A2562-BLK1)					Prepared & Analyzed: 1/22/2020 3:06:47PM					
Total Phosphorus	ND	0.0600	mg/L							
Blank (B0A2562-BLK2)					Prepared & Analyzed: 1/22/2020 4:11:28PM					
Total Phosphorus	ND	0.0600	mg/L							
Blank (B0A2562-BLK3)					Prepared & Analyzed: 1/22/2020 5:22:53PM					
Total Phosphorus	ND	0.0600	mg/L							

Eastex Environmental Laboratory - Coldspring

*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.*

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

PromiumforCold.v5 W&O NonTCLP ; revision date 06/10/2019



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EPA 200.7 - Quality Control
Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0A2562 - EPA 200.7										
LCS (B0A2562-BS1)				Prepared & Analyzed: 1/22/2020 3:15:42PM						
Total Phosphorus	2.31	0.0600	mg/L	2.52		91.8	85-115			
LCS (B0A2562-BS2)				Prepared & Analyzed: 1/22/2020 4:15:55PM						
Total Phosphorus	2.15	0.0600	mg/L	2.52		85.5	85-115			
LCS (B0A2562-BS3)				Prepared & Analyzed: 1/22/2020 5:27:19PM						
Total Phosphorus	2.15	0.0600	mg/L	2.52		85.4	85-115			
LCS Dup (B0A2562-BSD1)				Prepared & Analyzed: 1/22/2020 3:11:14PM						
Total Phosphorus	2.56	0.0600	mg/L	2.52		102	85-115	10.2	20	
LCS Dup (B0A2562-BSD2)				Prepared & Analyzed: 1/22/2020 4:20:21PM						
Total Phosphorus	2.19	0.0600	mg/L	2.52		87.0	85-115	1.77	20	
LCS Dup (B0A2562-BSD3)				Prepared & Analyzed: 1/22/2020 5:31:47PM						
Total Phosphorus	2.34	0.0600	mg/L	2.52		93.0	85-115	8.48	20	
MRL Check (B0A2562-MRL1)				Prepared & Analyzed: 1/22/2020 3:02:18PM						
Total Phosphorus	0.00660		mg/L	0.0600		11.0	0-200			
Matrix Spike (B0A2562-MS1)		Source: C0A2069-01		Prepared & Analyzed: 1/22/2020 3:24:38PM						
Total Phosphorus	2.44	0.0600	mg/L	2.52	0.0482	95.0	70-130			
Matrix Spike (B0A2562-MS2)		Source: C0A2410-01		Prepared & Analyzed: 1/22/2020 4:29:15PM						
Total Phosphorus	2.15	0.0600	mg/L	2.52	0.0108	85.0	70-130			
Matrix Spike (B0A2562-MS3)		Source: C0A3045-01		Prepared & Analyzed: 1/22/2020 5:40:46PM						
Total Phosphorus	1.98	0.0600	mg/L	2.52	0.0624	76.1	70-130			
Batch B0A2597 - No Prep										
Blank (B0A2597-BLK1)				Prepared & Analyzed: 1/21/2020 2:09:00PM						
Ammonia as N	ND	0.1	mg/L							
LCS (B0A2597-BS1)				Prepared & Analyzed: 1/21/2020 2:05:00PM						
Ammonia as N	2.02		mg/L	2.00		101	90-110			
LCS Dup (B0A2597-BSD1)				Prepared & Analyzed: 1/21/2020 2:03:00PM						
Ammonia as N	2.04		mg/L	2.00		102	90-110	0.837	20	
MRL Check (B0A2597-MRL1)				Prepared & Analyzed: 1/21/2020 2:07:00PM						

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SM 4500 NH3 G - Quality Control
Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0A2597 - No Prep										
MRL Check (B0A2597-MRL1)				Prepared & Analyzed: 1/21/2020 2:07:00PM						
Ammonia as N	0.112		mg/L	0.100		112	0-200			
Matrix Spike (B0A2597-MS1)				Source: C0A2750-01 Prepared & Analyzed: 1/21/2020 2:13:00PM						
Ammonia as N	3.2	0.1	mg/L	2.50	0.6	105	80-120			



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Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference



EASTEX ENVIRONMENTAL LABORATORY, INC.
 P. O. Box 10899 • Goldspring, TX 77331 P. O. Box 631375 • Nacogdoches, TX 75963-1375
 (936) 653-3249 • (800) 525-0508 (936) 569-8879 • FAX (936) 569-8951

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

REPORT TO: Christie Taylor

INVOICE TO: Christie Taylor

Company: TCWP Agrilife Ext.

Company: TCWP Agrilife Ext.

Remarks:

Address: 1335 Regents Park 260

Address: 1335 Regents Park 260

City: Houston TX 77058

City: Houston TX 77058

Attn: Christie Taylor

Attn: Christie Taylor

Phone#: 979-399-4009

Phone#: 979-399-4009

Email: ctaylor@tam.u.edu

INSTRUCTIONS:

P.O. #:

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 (2 oz) 8=40mL Vial 9=Other

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

Preservatives: C=Chilled S=Sulfuric Acid N=Nitric Acid B=Base/Caustic Z=Zn Acetate

ST=Sodium Thiosulfate H=HCL O=Other

Sampler's Name (print): Christie Taylor

Field Data

Sampler's Signature: Christie Taylor

Containers

Project Name: TCWP Stormwater Sampling

Time Matrix C or G DO pH Cl2 Flow Temp # Size Type Pres

Work Order ID	Sample ID	Date	Time	Matrix	C or G	DO	pH	Cl2	Flow	Temp	#	Size	Type	Pres	Analysis Requested	
COA3043	UTRPI02-8	1-13-20	1404	OT	C						1	3	P	C	X	TSS
											1	5	P	C/N	X	Total phosphate
											1	10	P/S	ST	X	E. coli
											1	4	P	S/A	X	NO ₂ +NO ₃
											1	4	P	S/A	X	NH ₃ N

Relinquished By: Christie Taylor

Received By: [Signature] Date: 1-14-20 Time: 0930

Relinquished By: [Signature]

Received By: [Signature] Date: 1-14-20 Time: 1520

LAB USE ONLY

Sample Condition Acceptable: YES / NO Date: 1-14-20 Time: 1520

Alternate Check In:

Received Iced: YES / NO Date: 1-14-20 Time: 1615