



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 C0A3044. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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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 13:03  
 Collector: CT  
 Sample Type: Grab  
 Print Date: 1/24/2020

**UTRP 101-5  
 C0A3044-01 (Water)**

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
<b><u>Metals</u></b>								
Total Phosphorus	<0.0600	0.0600	mg/L	A	B0A2562	01/22/2020 17:09	EPA 200.7	
<b><u>Microbiological Lab</u></b>								
E coli IDEXX	85	10	mpn/100ml	A	B0A1872	01/14/2020 16:07	Colilert 18	
<b><u>Wet Lab</u></b>								
Ammonia as N	<0.1	0.1	mg/L	A	B0A2597	01/21/2020 14:27	SM 4500 NH3 G	
Nitrate+Nitrite as N	0.56	0.02	mg/L	A	B0A2486	01/21/2020 08:30	SM 4500 NO3 F	
TSS	8.4	1.0	mg/L	A	B0A1841	01/15/2020 17:13	SM 2540 D	25



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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
<b>Batch B0A1841 - No Prep</b>										
<b>Blank (B0A1841-BLK1)</b>					<b>Prepared &amp; Analyzed: 1/15/2020 5:13:00PM</b>					
TSS	ND	1.0	mg/L							
<b>Duplicate (B0A1841-DUP1)</b>					<b>Source: C0A2429-01 Prepared &amp; Analyzed: 1/15/2020 5:13:00PM</b>					
TSS	92.0	1.0	mg/L		90.0			2.20	10	
<b>Batch B0A1872 - No Prep Micro</b>										
<b>Blank (B0A1872-BLK1)</b>					<b>Prepared &amp; Analyzed: 1/14/2020 4:07:00PM</b>					
E coli IDEXX	ND	1	mpn/100ml							
<b>Duplicate (B0A1872-DUP1)</b>					<b>Source: C0A2657-01 Prepared &amp; Analyzed: 1/14/2020 4:07:00PM</b>					
E coli IDEXX	ND	2	mpn/100ml		2				200	
<b>Batch B0A2486 - No Prep</b>										
<b>Blank (B0A2486-BLK1)</b>					<b>Prepared &amp; Analyzed: 1/21/2020 8:30:00AM</b>					
Nitrate+Nitrite as N	ND	0.02	mg/L							
<b>LCS (B0A2486-BS1)</b>					<b>Prepared &amp; Analyzed: 1/21/2020 8:30:00AM</b>					
Nitrate+Nitrite as N	0.950		mg/L	1.00		95.0	90-110			
<b>LCS Dup (B0A2486-BSD1)</b>					<b>Prepared &amp; Analyzed: 1/21/2020 8:30:00AM</b>					
Nitrate+Nitrite as N	0.980		mg/L	1.00		98.0	90-110	3.11	20	
<b>MRL Check (B0A2486-MRL1)</b>					<b>Prepared &amp; Analyzed: 1/21/2020 8:30:00AM</b>					
Nitrate+Nitrite as N	0.0200		mg/L	0.0200		100	0-200			
<b>Matrix Spike (B0A2486-MS1)</b>					<b>Source: C0A2750-02 Prepared &amp; Analyzed: 1/21/2020 8:30:00AM</b>					
Nitrate+Nitrite as N	1.13	0.02	mg/L	1.00	ND	113	80-120			
<b>Batch B0A2562 - EPA 200.7</b>										
<b>Blank (B0A2562-BLK1)</b>					<b>Prepared &amp; Analyzed: 1/22/2020 3:06:47PM</b>					
Total Phosphorus	ND	0.0600	mg/L							
<b>Blank (B0A2562-BLK2)</b>					<b>Prepared &amp; Analyzed: 1/22/2020 4:11:28PM</b>					
Total Phosphorus	ND	0.0600	mg/L							
<b>Blank (B0A2562-BLK3)</b>					<b>Prepared &amp; Analyzed: 1/22/2020 5:22:53PM</b>					
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
<b>Batch B0A2562 - EPA 200.7</b>										
<b>LCS (B0A2562-BS1)</b>				<b>Prepared &amp; Analyzed: 1/22/2020 3:15:42PM</b>						
Total Phosphorus	2.31	0.0600	mg/L	2.52		91.8	85-115			
<b>LCS (B0A2562-BS2)</b>				<b>Prepared &amp; Analyzed: 1/22/2020 4:15:55PM</b>						
Total Phosphorus	2.15	0.0600	mg/L	2.52		85.5	85-115			
<b>LCS (B0A2562-BS3)</b>				<b>Prepared &amp; Analyzed: 1/22/2020 5:27:19PM</b>						
Total Phosphorus	2.15	0.0600	mg/L	2.52		85.4	85-115			
<b>LCS Dup (B0A2562-BSD1)</b>				<b>Prepared &amp; Analyzed: 1/22/2020 3:11:14PM</b>						
Total Phosphorus	2.56	0.0600	mg/L	2.52		102	85-115	10.2	20	
<b>LCS Dup (B0A2562-BSD2)</b>				<b>Prepared &amp; Analyzed: 1/22/2020 4:20:21PM</b>						
Total Phosphorus	2.19	0.0600	mg/L	2.52		87.0	85-115	1.77	20	
<b>LCS Dup (B0A2562-BSD3)</b>				<b>Prepared &amp; Analyzed: 1/22/2020 5:31:47PM</b>						
Total Phosphorus	2.34	0.0600	mg/L	2.52		93.0	85-115	8.48	20	
<b>MRL Check (B0A2562-MRL1)</b>				<b>Prepared &amp; Analyzed: 1/22/2020 3:02:18PM</b>						
Total Phosphorus	0.00660		mg/L	0.0600		11.0	0-200			
<b>Matrix Spike (B0A2562-MS1)</b>		<b>Source: C0A2069-01</b>		<b>Prepared &amp; Analyzed: 1/22/2020 3:24:38PM</b>						
Total Phosphorus	2.44	0.0600	mg/L	2.52	0.0482	95.0	70-130			
<b>Matrix Spike (B0A2562-MS2)</b>		<b>Source: C0A2410-01</b>		<b>Prepared &amp; Analyzed: 1/22/2020 4:29:15PM</b>						
Total Phosphorus	2.15	0.0600	mg/L	2.52	0.0108	85.0	70-130			
<b>Matrix Spike (B0A2562-MS3)</b>		<b>Source: C0A3045-01</b>		<b>Prepared &amp; Analyzed: 1/22/2020 5:40:46PM</b>						
Total Phosphorus	1.98	0.0600	mg/L	2.52	0.0624	76.1	70-130			
<b>Batch B0A2597 - No Prep</b>										
<b>Blank (B0A2597-BLK1)</b>				<b>Prepared &amp; Analyzed: 1/21/2020 2:09:00PM</b>						
Ammonia as N	ND	0.1	mg/L							
<b>LCS (B0A2597-BS1)</b>				<b>Prepared &amp; Analyzed: 1/21/2020 2:05:00PM</b>						
Ammonia as N	2.02		mg/L	2.00		101	90-110			
<b>LCS Dup (B0A2597-BSD1)</b>				<b>Prepared &amp; Analyzed: 1/21/2020 2:03:00PM</b>						
Ammonia as N	2.04		mg/L	2.00		102	90-110	0.837	20	
<b>MRL Check (B0A2597-MRL1)</b>				<b>Prepared &amp; Analyzed: 1/21/2020 2:07:00PM</b>						

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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
<b>Batch B0A2597 - No Prep</b>										
<b>MRL Check (B0A2597-MRL1)</b>				<b>Prepared &amp; Analyzed: 1/21/2020 2:07:00PM</b>						
Ammonia as N	0.112		mg/L	0.100		112	0-200			
<b>Matrix Spike (B0A2597-MS1)</b>				<b>Source: C0A2750-01 Prepared &amp; Analyzed: 1/21/2020 2:13:00PM</b>						
Ammonia as N	3.2	0.1	mg/L	2.50	0.6	105	80-120			



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### Notes and Definitions

- 25 Residue not in the method range of 2.5-200 mg.
- 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.**  
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White Copy-Follows Samples  
 Yellow Copy-Laboratory  
 Pink Copy-Client Copy

REPORT TO: Christie Taylor

INVOICE TO: Christie Taylor

Company: TCWP AgricLife Ext.

Company: TCWP AgricLife Ext

Address: 1335 Regents Park Dr 200

Address: 1335 Regents Park Dr 200

Houston TX 77058

Houston TX 77058

Attn: Christie Taylor

Attn: Christie Taylor

Phone#: 979-399-4009

Phone#: 979-399-4009

Email: cctaylor@tamu.edu

P.O. #:

Sampler's Name (print):  
Christie Taylor

Sampler's Signature:  
Christie Taylor

Project Name:  
TCWP Stormwater Sampling

Work Order ID: CGTA3044

Sample ID: UTRP101-5

Date: 1-13-20

Time: 1:28 PM

Matrix: C

C or G: 11.4

DO: 7.71

pH: —

Cl2: —

Flow: —

Temp: 14.6

#: 1

Size: 5

Type: P

Pres: C

Date: 1-14-2020

Time: 2:30

Received By: [Signature]

Date: 1-14-2020

Time: 15:20

Received Iced: YES / NO

Date: 1-14-2020

Time: 16:15

Field Data	Containers										
Time	Matrix	C or G	DO	pH	Cl2	Flow	Temp	#	Size	Type	Pres
1:28 PM	C	11.4	7.71	—	—	—	14.6	1	5	P	C
								1	6	P	C
								1	5	P	C
								1	4	P	C

ANALYSIS REQUESTED

TSS  
 Total phosphate  
 E. coli  
 NO<sub>2</sub> + NO<sub>3</sub>  
 NH<sub>3</sub>N

X

Received Iced: YES / NO

Date: 1-14-2020

Time: 16:15