



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 Stormwater**

Enclosed are the results of analyses for samples received by the laboratory on 01/11/20 11:46, with Lab ID Number C0A2411. 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 Stormwater  
 Sample Matrix: Water  
 Client Matrix: Water

Sample Date & Time: 01/11/2020 08:15  
 Collector: CT  
 Sample Type: Grab  
 Print Date: 1/24/2020

**EGI- IN 201-2  
 C0A2411-01 (Water)**

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed Date & Time	Method	Notes
<b><u>Metals</u></b>								
Total Phosphorus	0.153	0.0600	mg/L	A	B0A2562	01/22/2020 16:33	EPA 200.7	
<b><u>Microbiological Lab</u></b>								
E coli IDEXX	4110	10	mpn/100ml	A	B0A1514	01/11/2020 12:26	Colilert 18	15
<b><u>Wet Lab</u></b>								
Ammonia as N	0.1	0.1	mg/L	A	B0A1497	01/13/2020 17:47	SM 4500 NH3 G	
Nitrate+Nitrite as N	0.26	0.02	mg/L	A	B0A1546	01/14/2020 10:00	SM 4500 NO3 F	
TSS	20.6	1.0	mg/L	A	B0A1505	01/13/2020 17:45	SM 2540 D	



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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 B0A1497 - No Prep</b>										
<b>Blank (B0A1497-BLK1)</b>				<b>Prepared &amp; Analyzed: 1/13/2020 5:40:00PM</b>						
Ammonia as N	ND	0.1	mg/L							
<b>LCS (B0A1497-BS1)</b>				<b>Prepared &amp; Analyzed: 1/14/2020 7:47:00AM</b>						
Ammonia as N	2.05		mg/L	2.00		102	90-110			
<b>LCS Dup (B0A1497-BSD1)</b>				<b>Prepared &amp; Analyzed: 1/14/2020 7:45:00AM</b>						
Ammonia as N	1.97		mg/L	2.00		98.6	90-110	3.83	20	
<b>MRL Check (B0A1497-MRL1)</b>				<b>Prepared &amp; Analyzed: 1/13/2020 5:42:00PM</b>						
Ammonia as N	0.117		mg/L	0.100		117	0-200			
<b>Matrix Spike (B0A1497-MS1)</b>		<b>Source: C0A2410-01</b>		<b>Prepared &amp; Analyzed: 1/13/2020 5:43:00PM</b>						
Ammonia as N	2.6	0.1	mg/L	2.50	0.2	99.9	80-120			
<b>Batch B0A1505 - No Prep</b>										
<b>Blank (B0A1505-BLK1)</b>				<b>Prepared &amp; Analyzed: 1/13/2020 5:45:00PM</b>						
TSS	ND	1.0	mg/L							
<b>Duplicate (B0A1505-DUP1)</b>		<b>Source: C0A2080-01</b>		<b>Prepared &amp; Analyzed: 1/13/2020 5:45:00PM</b>						
TSS	214	1.0	mg/L		214			0.00	10	
<b>Batch B0A1514 - No Prep Micro</b>										
<b>Blank (B0A1514-BLK1)</b>				<b>Prepared &amp; Analyzed: 1/11/2020 12:26:00PM</b>						
E coli IDEXX	ND	1	mpn/100ml							15
<b>Duplicate (B0A1514-DUP1)</b>		<b>Source: C0A2410-01</b>		<b>Prepared &amp; Analyzed: 1/11/2020 12:26:00PM</b>						
E coli IDEXX	ND	10	mpn/100ml		63				200	15
<b>Batch B0A1546 - No Prep</b>										
<b>Blank (B0A1546-BLK1)</b>				<b>Prepared &amp; Analyzed: 1/14/2020 10:00:00AM</b>						
Nitrate+Nitrite as N	ND	0.02	mg/L							
<b>LCS (B0A1546-BS1)</b>				<b>Prepared &amp; Analyzed: 1/14/2020 10:00:00AM</b>						
Nitrate+Nitrite as N	1.09		mg/L	1.00		109	90-110			
<b>LCS Dup (B0A1546-BSD1)</b>				<b>Prepared &amp; Analyzed: 1/14/2020 10:00:00AM</b>						
Nitrate+Nitrite as N	1.11		mg/L	1.00		111	90-110	1.82	20	

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



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**SM 4500 NO3 F - Quality Control**  
**Eastex Environmental Laboratory - Coldspring**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B0A1546 - No Prep</b>										
<b>MRL Check (B0A1546-MRL1)</b>					<b>Prepared &amp; Analyzed: 1/14/2020 10:00:00AM</b>					
Nitrate+Nitrite as N	0.0150		mg/L	0.0200		75.0	0-200			
<b>Matrix Spike (B0A1546-MS1)</b>					<b>Source: C0A2070-04 Prepared &amp; Analyzed: 1/14/2020 10:00:00AM</b>					
Nitrate+Nitrite as N	1.16	0.02	mg/L	1.00	0.190	97.0	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							
<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 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 Prepared &amp; Analyzed: 1/22/2020 4:29:15PM</b>					

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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>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			



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### Notes and Definitions

- 15 Duplicate precision associated with sample batch outside of acceptance limits.
- 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 1089 \* Coldspring, TX 77331  
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 P.O. Box 631375 \* Nacogdoches, TX 75963-1375  
 (936) 569-8879 \* FAX (936) 569-8951  
 www.eastexlabs.com

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

REPORT TO: Christie Taylor

INVOICE TO: Christie Taylor

Company: TCWP Agrilife

Company: TCWP Agrilife

Remarks:

Address: 1365 Rogan Park 200  
Houston TX 77058

Attn: Christie Taylor

Attn:

Phone#: 979-399-4029

Phone#:

Email: ctaylor@tamuc.edu

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 (2 oz) 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

Sampler's Name (print): Christie Taylor

Sampler's Signature: Christie Taylor

Project Name: TCWP Storm water Sampling

Field Data

Containers

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

Work Order ID	Sample ID	Date	Time	Matrix	C or G	DO	pH	Cl2	Flow	Temp	#	Size	Type	Pres	Field Data		Containers	
2411	EG1-In 201-2	1-11-20	8:15	OT	G	8.2	7.70	-	-	83.2	1	3	P	C	X			

Relinquished By: Christie Taylor

Received By: Christie Taylor

Date: 1-11-20 Time: 9:41

Received Iced: YES NO

Relinquished By: Christie Taylor

Received By: Christie Taylor

Date: 1-11-20 Time: 9:41

Received Iced: YES NO

Relinquished By:

Received By:

Date: 1-11-20 Time: 9:41

Received Iced: YES NO

LAB USE ONLY

Sample Condition Acceptable:

YES /  NO

Temp C: 46 \*Therm ID: 15

Date: 1-13-20 Time: 7:53

Alternate Check In:

Christie Taylor

Date: 1-11-20

Time: 11:46

Temp C: 46 \*Therm ID: 15

Date: 1-13-20 Time: 7:53

\*Thermometer has 0.0 factor and recorded temperature is actual temperature