



P.O. Box 1089 Coldspring Tx 77331
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January 28, 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 C0A3045. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mark Bourgeois
Special Projects Manager



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Texas A and M AgriLife
 1335 Regents Park Dr. Ste. 260
 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 16:56
 Collector: CT
 Sample Type: Grab
 Print Date: 1/28/2020

EG 202-4
C0A3045-01 (Water)

| Analyte | Result | Reporting Limit | Units | Nelac Status | Batch | Analyzed Date & Time | Method | Notes |
|-----------------------------------|--------|-----------------|-----------|--------------|---------|----------------------|---------------|-------|
| <u>Metals</u> | | | | | | | | |
| Total Phosphorus | 0.0624 | 0.0600 | mg/L | A | B0A2562 | 01/22/2020 17:36 | EPA 200.7 | |
| <u>Microbiological Lab</u> | | | | | | | | |
| E coli IDEXX | 2610 | 10 | mpn/100ml | A | B0A1872 | 01/14/2020 16:07 | Colilert 18 | |
| <u>Wet Lab</u> | | | | | | | | |
| Ammonia as N | 0.3 | 0.1 | mg/L | A | B0A2597 | 01/21/2020 14:29 | SM 4500 NH3 G | |
| Nitrate+Nitrite as N | 0.20 | 0.02 | mg/L | A | B0A2486 | 01/21/2020 08:30 | SM 4500 NO3 F | |
| TSS | 15.6 | 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 | | | | | | | |

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*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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EPA 200.7 - Quality Control
Eastex Environmental Laboratory - Coldspring

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | 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



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 www.eastexlabs.com

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

REPORT TO: Christie Taylor

INVOICE TO:

Company: TCWP AgriLife Ext.

Company:

Address: 1335 Regents Park Blvd Houston TX 77058

Address:

Attn:

Attn:

Phone#: 979-399-4009

Phone#: 979-399-4009

Email: ctaylor@tamuc.edu

INSTRUCTIONS:

P.O. #:

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

Sampler's Name (Print): Christie Taylor

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: Christie Taylor

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

Project Name: TCWP Stormwater Samples

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: COFSA16-5m EG200-4

Sample ID

Date

Time

Matrix

C or G

DO

pH

Cl2

Flow

Temp

#

Size

Type

Pres

Field Data

Containers

| Work Order ID | Sample ID | Date | Time | Matrix | C or G | DO | pH | Cl2 | Flow | Temp | # | Size | Type | Pres | Analysis Requested | |
|---------------|-----------|---------|------|--------|--------|------|------|-----|------|-------|---|------|------|------|--------------------|----------------------------------|
| COFSA16-5m | EG200-4 | 1-13-20 | 1658 | OT | G | 8.10 | 7.36 | - | - | 16.52 | 1 | 3 | P | C | X | TSS |
| 3.0N5 | | | | | | | | | | | 1 | 5 | P | C | X | Total phosphate |
| | | | | | | | | | | | 1 | 6 | P | C | X | E. coli |
| | | | | | | | | | | | 1 | 4 | P | C | X | NO ₂ +NO ₃ |
| | | | | | | | | | | | 1 | 4 | P | C | X | NH ₃ N |

Relinquished By:

Christie Taylor

Received By:

Will [Signature]

Relinquished By:

Christie Taylor

Received By:

Will [Signature]

Relinquished By:

[Signature]

Received By:

[Signature]

LAB USE ONLY

Sample Condition Acceptable:

YES / NO

YES / NO

Alternate Check In:

Date

Time

Date

Temp °C

*Therm ID

Logged In By

Date

Time

Date

Time