



P.O. Box 1089 Coldspring Tx 77331
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July 09, 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 06/25/20 15:20, with Lab ID Number C0F5534. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Mark Bourgeois
Special Projects Manager



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 1335 Regents Park Dr. Ste. 260
 Houston TX, 77058

LABORATORY ANALYTICAL REPORT

Project: TX A and M Community Stormwater
 Sample Matrix: Water
 Client Matrix: Water

Sample Date & Time: 06/24/2020 17:19
 Collector: CT
 Sample Type: Grab
 Print Date: 7/9/2020

EG 201-8

C0F5534-01 (Water)

| Analyte | Result | Reporting Limit | Units | Nelac Status | Batch | Analyzed Date & Time | Method | Notes |
|-----------------------------------|--------|-----------------|-----------|--------------|---------|----------------------|---------------|-------|
| <u>Metals</u> | | | | | | | | |
| Total Phosphorus | 0.140 | 0.0600 | mg/L | A | B0F3837 | 07/06/2020 10:45 | EPA 200.7 | |
| <u>Microbiological Lab</u> | | | | | | | | |
| E coli IDEXX | 9210 | 10 | mpn/100ml | A | B0F3625 | 06/25/2020 15:55 | Colilert 18 | |
| <u>Wet Lab</u> | | | | | | | | |
| Ammonia as N | <0.1 | 0.1 | mg/L | A | B0F3611 | 06/29/2020 12:28 | SM 4500 NH3 G | |
| Nitrate+Nitrite as N | 0.03 | 0.02 | mg/L | A | B0G0209 | 07/08/2020 17:00 | SM 4500 NO3 F | 20 |
| TSS | 31.2 | 1.0 | mg/L | A | B0F3535 | 06/26/2020 14:16 | 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 B0F3535 - No Prep | | | | | | | | | | |
| Blank (B0F3535-BLK1) | | | | Prepared & Analyzed: 6/26/2020 2:16:00PM | | | | | | |
| TSS | ND | 1.0 | mg/L | | | | | | | |
| Duplicate (B0F3535-DUP1) | | | | Source: C0F5450-01 Prepared & Analyzed: 6/26/2020 2:16:00PM | | | | | | |
| TSS | 98.0 | 1.0 | mg/L | | 96.0 | | | 2.06 | 10 | |
| Batch B0F3611 - No Prep | | | | | | | | | | |
| Blank (B0F3611-BLK1) | | | | Prepared & Analyzed: 6/29/2020 12:28:00PM | | | | | | |
| Ammonia as N | ND | 0.1 | mg/L | | | | | | | |
| LCS (B0F3611-BS1) | | | | Prepared & Analyzed: 6/29/2020 12:28:00PM | | | | | | |
| Ammonia as N | 2.08 | | mg/L | 2.00 | | 104 | 90-110 | | | |
| Matrix Spike (B0F3611-MS1) | | | | Source: C0F5372-01 Prepared & Analyzed: 6/29/2020 12:28:00PM | | | | | | |
| Ammonia as N | 2.5 | 0.1 | mg/L | 2.50 | 0.05 | 98.0 | 80-120 | | | |
| Matrix Spike Dup (B0F3611-MSD1) | | | | Source: C0F5372-01 Prepared & Analyzed: 6/29/2020 12:28:00PM | | | | | | |
| Ammonia as N | 2.5 | 0.1 | mg/L | 2.50 | 0.05 | 98.0 | 80-120 | 0.00 | 20 | |
| Batch B0F3625 - No Prep Micro | | | | | | | | | | |
| Blank (B0F3625-BLK1) | | | | Prepared & Analyzed: 6/25/2020 3:55:00PM | | | | | | |
| E coli IDEXX | ND | | 1 mpn/100ml | | | | | | | |
| Duplicate (B0F3625-DUP1) | | | | Source: C0F5422-01 Prepared & Analyzed: 6/25/2020 3:55:00PM | | | | | | |
| E coli IDEXX | ND | 2 | mpn/100ml | | ND | | | | 200 | |
| Batch B0F3837 - EPA 200.7 | | | | | | | | | | |
| Blank (B0F3837-BLK1) | | | | Prepared & Analyzed: 7/6/2020 9:52:58AM | | | | | | |
| Total Phosphorus | ND | 0.0600 | mg/L | | | | | | | |
| Blank (B0F3837-BLK2) | | | | Prepared & Analyzed: 7/6/2020 10:56:18AM | | | | | | |
| Total Phosphorus | ND | 0.0600 | mg/L | | | | | | | |
| Blank (B0F3837-BLK3) | | | | Prepared & Analyzed: 7/6/2020 11:55:21AM | | | | | | |
| Total Phosphorus | ND | 0.0600 | mg/L | | | | | | | |
| LCS (B0F3837-BS1) | | | | Prepared & Analyzed: 7/6/2020 9:56:26AM | | | | | | |
| Total Phosphorus | 2.62 | 0.0600 | mg/L | 2.52 | | 104 | 85-115 | | | |

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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 Limits | RPD | RPD Limit | Notes |
|--|--------|---------------------------|-------|---|---------------|------|-------------|-------|-----------|-------|
| Batch B0F3837 - EPA 200.7 | | | | | | | | | | |
| LCS (B0F3837-BS2) | | | | Prepared & Analyzed: 7/6/2020 10:59:47AM | | | | | | |
| Total Phosphorus | 2.54 | 0.0600 | mg/L | 2.52 | | 101 | 85-115 | | | |
| LCS (B0F3837-BS3) | | | | Prepared & Analyzed: 7/6/2020 11:58:50AM | | | | | | |
| Total Phosphorus | 2.73 | 0.0600 | mg/L | 2.52 | | 108 | 85-115 | | | |
| LCS Dup (B0F3837-BSD1) | | | | Prepared & Analyzed: 7/6/2020 9:59:54AM | | | | | | |
| Total Phosphorus | 2.58 | 0.0600 | mg/L | 2.52 | | 103 | 85-115 | 1.22 | 20 | |
| LCS Dup (B0F3837-BSD2) | | | | Prepared & Analyzed: 7/6/2020 11:03:16AM | | | | | | |
| Total Phosphorus | 2.57 | 0.0600 | mg/L | 2.52 | | 102 | 85-115 | 1.13 | 20 | |
| LCS Dup (B0F3837-BSD3) | | | | Prepared & Analyzed: 7/6/2020 12:02:18PM | | | | | | |
| Total Phosphorus | 2.74 | 0.0600 | mg/L | 2.52 | | 109 | 85-115 | 0.371 | 20 | |
| MRL Check (B0F3837-MRL1) | | | | Prepared & Analyzed: 7/6/2020 9:49:29AM | | | | | | |
| Total Phosphorus | 0.0554 | | mg/L | 0.0600 | | 92.3 | 0-200 | | | |
| Matrix Spike (B0F3837-MS1) | | Source: C0F4195-01 | | Prepared & Analyzed: 7/6/2020 10:14:33AM | | | | | | |
| Total Phosphorus | 2.79 | 0.0600 | mg/L | 2.52 | 0.0348 | 109 | 70-130 | | | |
| Matrix Spike (B0F3837-MS2) | | Source: C0F5535-01 | | Prepared & Analyzed: 7/6/2020 11:13:41AM | | | | | | |
| Total Phosphorus | 2.88 | 0.0600 | mg/L | 2.52 | 0.158 | 108 | 70-130 | | | |
| Matrix Spike (B0F3837-MS3) | | Source: C0F6211-01 | | Prepared & Analyzed: 7/6/2020 12:12:44PM | | | | | | |
| Total Phosphorus | 2.92 | 0.0600 | mg/L | 2.52 | 0.0962 | 112 | 70-130 | | | |
| Batch B0G0209 - No Prep | | | | | | | | | | |
| Blank (B0G0209-BLK1) | | | | Prepared & Analyzed: 7/8/2020 5:00:00PM | | | | | | |
| Nitrate+Nitrite as N | ND | 0.02 | mg/L | | | | | | | |
| LCS (B0G0209-BS1) | | | | Prepared & Analyzed: 7/8/2020 5:00:00PM | | | | | | |
| Nitrate+Nitrite as N | 0.950 | | mg/L | 1.00 | | 95.0 | 90-110 | | | |
| Matrix Spike (B0G0209-MS1) | | Source: C0F4922-01 | | Prepared & Analyzed: 7/8/2020 5:00:00PM | | | | | | |
| Nitrate+Nitrite as N | 1.16 | 0.02 | mg/L | 1.00 | 0.130 | 103 | 80-120 | | | |
| Matrix Spike Dup (B0G0209-MSD1) | | Source: C0F4922-01 | | Prepared & Analyzed: 7/8/2020 5:00:00PM | | | | | | |
| Nitrate+Nitrite as N | 1.19 | 0.02 | mg/L | 1.00 | 0.130 | 106 | 80-120 | 2.55 | 20 | |

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Notes and Definitions

| | |
|-----|--|
| 20 | Sample pH not <2. |
| 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 • Colldspring, TX 77331 P. O. Box 631375 • Nacogdoches, TX 75963-1375
 (936) 653-3249 • (800) 525-0508 (936) 569-8879 • FAX (936) 569-8951

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

REPORT TO: Christie Taylor

INVOICE TO: Christie Taylor

Company: AgriLife Extension

Company: AgriLife Extension

Remarks:

Address: 1335 Regents Park Dr 2100

Address: 1335 Regents Park Dr 2100

Houston TX 77058

Houston TX 77058

Attn: Christie Taylor

Attn: Christie Taylor

Phone#: 979-399-4009

Phone#: 979-399-4009

Email: ctaylor@tamuc.edu

P.O. #: _____

Sampler's Name (print):

Christie Taylor

Sampler's Signature:

Christie Taylor

Project Name:

TEMP Stormwater Sampling

Work Order ID

COFSS34

Sample ID

EG 201-8

Date

6/24/12

Time

12:19 PM

Matrix

G

DO

8.0

pH

8.03

CI2

—

Flow

—

Temp

28.3

#

| Field Data | | | | | | | | | | Containers | | | ANALYSIS REQUESTED |
|------------|--------|--------|----|----|-----|------|------|---|------|------------|------|---|--------------------|
| Time | Matrix | C or G | DO | pH | CI2 | Flow | Temp | # | Size | Type | Pres | | |
| | | | | | | | | 1 | 3 | P | C | X | |
| | | | | | | | | 2 | 5 | P | 9/5 | X | |
| | | | | | | | | 1 | 4 | P | 9/5 | X | |
| | | | | | | | | 1 | 5 | P | 9/5 | X | |
| | | | | | | | | 1 | 6 | P | 9/5 | X | |

ANALYSIS REQUESTED

TSS
 NO₂ + NO₃
 NH₃ N
 Total phosphate
 E. coli

Relinquished By: Christie Taylor

Received By: [Signature]

Date: 6-25-12

Time: 8:05

Received Iced: YES / NO

Received Iced: YES / NO

Received Iced: YES / NO

Relinquished By: [Signature]

Received By: [Signature]

Date: 6-25-12

Time: 8:50

Received Iced: YES / NO

Received Iced: YES / NO

Received Iced: YES / NO

LAB USE ONLY

Sample Condition Acceptable: YES / NO

Date

Temp C

Time

Received Iced: YES / NO

Received Iced: YES / NO

Alternate Check In: [Signature]

Date

Time

Temp C

Time

Received Iced: YES / NO

Received Iced: YES / NO

Chain of Custody Revision 3: 05/01/18

*Thermometer has 0.0 factor and recorded temperature is actual temperature

Eastex Environmental Laboratory, Inc.