

## Biological Analysis Report

NW-DIST-2009-06-02-01

Florida Department of Environmental Protection  
Central Laboratory  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400  
DOH Accreditation E31780

Overflow Analyses Performed By:  
University of West Florida  
11000 University Parkway  
Pensacola, FL 32514  
DOH Accreditation E71969

Event Description: **Project Greenshores**  
Request ID: **RQ-2009-05-25-17**  
Customer: **NW-DIST**  
Project ID: **DISCRTNARY**

Send Reports to:  
FL Dept. of Environmental Protection  
160 Government Center  
Suite 308  
Pensacola, FL 32502-5794  
Attn: Bill Chandler

For additional information please contact  
David D. Whiting - Administrator  
Loretta E. Wolfe - Bench Biology  
Elizabeth Miller - Algal Taxonomy  
Cheryl Swanson - Invertebrate Taxonomy  
J. Marshall Faircloth - Aquatic Toxicology  
Daisys Tamayo - Microbiology  
Andrew R. Tintle, QA Officer  
Phone (850) 245-8177

Certified by: Cheryl A. Swanson, Environmental Supervisor II

Date Certified: 30-JUN-2009 15:45



**NON-CONFORMANCE REPORT INCLUDED**

## Abbreviations and data remark codes

CERT # - NELAP (National Environmental Laboratory Accreditation Program) Certification Number of the laboratory that performed the analysis.

LCS – Laboratory Control Sample; in the QC Failures column, this notation indicates a batch recovery failure.

MS – Matrix Spike; in the QC Failures column, this notation indicates a batch recovery failure.

RPD – Relative Percent Difference; in the QC Failures column, this notation indicates a batch failure for precision.

CCV – Continuing Calibration Verification; in the QC Failures column, this notation indicates a failure of the calibration verification check sample.

RSD – Relative Standard Deviation expressed as a percentage.

SMP – Sample.

\* - Item was outside the QC Limits.

\*\* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

A - Value reported is the mean of two or more determinations

B - Results based on colony counts outside the acceptable range.

I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

J - Estimated value

K - Actual value is known to be less than value given

L - Actual value is known to be greater than value given

N - Presumptive evidence of presence of material.

O - Sampled, but analysis lost or not performed.

Q - Sample held beyond normal holding time.

T - Value reported is less than the criterion of detection.

U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.

V - Analyte was detected in both sample and method blank.

X - Too few individuals to calculate SCI value.

Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate

Z - Colonies were too numerous to count (TNTC).

Precision is reported as relative percent difference unless otherwise noted.

Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published test performance acceptance criteria.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

All sample collection performed by Bureau of Laboratories staff followed the field Standard Operating Procedures adopted by reference in Rule 62-160 FAC unless otherwise noted.

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Results for NELAP accredited tests contained in this report meet the requirements specified by the National Environmental Laboratory Accreditation Conference (NELAC). All samples received were in acceptable condition and met NELAC requirements unless otherwise noted. Results generated in this report pertain to the samples collected and submitted for analysis.

Job: TLH-2009-06-02-19  
Job: TLH-2009-06-02-21  
Job: TLH-2009-06-02-24

Group: Chlorophyll/Grain Size/BOD  
Group: Chlorophyll/Grain Size/BOD  
Group: Overflow

**Sample Location:** 1/2 BRIDGE AND MUSCOGEE

**Collection Date/Time:** 06/01/2009 11:12 AM

**Field ID:** 2

**Matrix:** W-SURF-SLT

| Sample ID | Ref. Method       | Component                       | Result | Code | QC Failures | Units    | Cert # |
|-----------|-------------------|---------------------------------|--------|------|-------------|----------|--------|
| 1191223   | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 1.4    | I    |             | mg/L     | E31780 |
| 1191267   | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 4.2    | A    |             | ug/L     |        |
|           |                   | Phaeophytin-a                   | 0.40   | U    |             | ug/L     |        |
|           |                   | Chlorophyll/Phaeophytin Ratio   | 1.7    | A    |             |          |        |
|           |                   | Chlorophyll-a, Uncorrected      | 4.4    | A    |             | ug/L     |        |
| 1191294   | EPA 1600          | Enterococci-Membrane Filter     | 2      | U    |             | #/100 mL | E71969 |
|           | SM 9222 D         | Fecal Coliforms-Membrane Filter | 1      | U    |             | #/100 mL |        |

Ref. Method and Comment:

SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L.

SM 10200 H (mod.) Laboratory duplicate result is 0.40 U for Phaeophytin-a. Precision data is unavailable due to the small amount of analyte in the QC sample.

**Sample Location:** 1/2 BRIDGE AND PORT

**Collection Date/Time:** 06/01/2009 11:30 AM

**Field ID:** 7

**Matrix:** W-SURF-SLT

| Sample ID | Ref. Method       | Component                       | Result | Code | QC Failures | Units    | Cert # |
|-----------|-------------------|---------------------------------|--------|------|-------------|----------|--------|
| 1191228   | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 1.8    | I    |             | mg/L     | E31780 |
| 1191269   | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 4.4    |      |             | ug/L     |        |
|           |                   | Phaeophytin-a                   | 0.40   | U    |             | ug/L     |        |
|           |                   | Chlorophyll/Phaeophytin Ratio   | 1.6    |      |             |          |        |
|           |                   | Chlorophyll-a, Uncorrected      | 4.8    |      |             | ug/L     |        |
| 1191299   | EPA 1600          | Enterococci-Membrane Filter     | 2      | U    |             | #/100 mL | E71969 |
|           | SM 9222 D         | Fecal Coliforms-Membrane Filter | 1      | U    |             | #/100 mL |        |

Ref. Method and Comment:

SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L. Laboratory duplicate result is 1.6 I mg/L. Precision data is unavailable due to the small amount of analyte in the QC sample.

**Sample Location:** 1/2 MUSCOGEE AND HAWK SHAW

**Collection Date/Time:** 06/01/2009 12:22 PM

**Field ID:** 6

**Matrix:** W-SURF-SLT

| Sample ID | Ref. Method | Component                       | Result | Code | QC Failures | Units    | Cert # |
|-----------|-------------|---------------------------------|--------|------|-------------|----------|--------|
| 1191298   | EPA 1600    | Enterococci-Membrane Filter     | 2      | U    |             | #/100 mL | E71969 |
|           | SM 9222 D   | Fecal Coliforms-Membrane Filter | 1      | U    |             | #/100 mL |        |

**Field ID: 6**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

**Sample Location:** 1/4 BETWEEN BRIDGE AND PORT 400 FT FROM SHORE  
**Collection Date/Time:** 06/01/2009 12:30 PM

**Field ID: 12**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method       | Component                       | Result | Code | QC Failures | Units    | Cert # |
|-----------|-------------------|---------------------------------|--------|------|-------------|----------|--------|
| 1191233   | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 2.1    |      |             | mg/L     | E31780 |
| 1191274   | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 7.2    |      |             | ug/L     |        |
|           |                   | Phaeophytin-a                   | 0.40   | U    |             | ug/L     |        |
|           |                   | Chlorophyll/Phaeophytin Ratio   | 1.7    |      |             |          |        |
|           |                   | Chlorophyll-a, Uncorrected      | 7.7    |      |             | ug/L     |        |
| 1191304   | EPA 1600          | Enterococci-Membrane Filter     | 2      | U    |             | #/100 mL | E71969 |
|           | SM 9222 D         | Fecal Coliforms-Membrane Filter | 4      | B    |             | #/100 mL |        |

Ref. Method and Comment:  
 SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L.

**Sample Location:** 100 FT. SOUTH OF STORMDRAIN  
**Collection Date/Time:** 06/01/2009 12:37 PM

**Field ID: 4**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method       | Component                       | Result | Code | QC Failures | Units    | Cert # |
|-----------|-------------------|---------------------------------|--------|------|-------------|----------|--------|
| 1191225   | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 1.4    | I    |             | mg/L     | E31780 |
| 1191268   | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 4.5    |      |             | ug/L     |        |
|           |                   | Phaeophytin-a                   | 0.40   | U    |             | ug/L     |        |
|           |                   | Chlorophyll/Phaeophytin Ratio   | 1.7    |      |             |          |        |
|           |                   | Chlorophyll-a, Uncorrected      | 4.7    |      |             | ug/L     |        |
| 1191296   | EPA 1600          | Enterococci-Membrane Filter     | 2      | U    |             | #/100 mL | E71969 |
|           | SM 9222 D         | Fecal Coliforms-Membrane Filter | 1      | U    |             | #/100 mL |        |

Ref. Method and Comment:  
 SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L.

**Sample Location:** BETWEEN MARINA & OUTFALL  
**Collection Date/Time:** 06/01/2009 11:45 AM

**Field ID: 10**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method       | Component                       | Result | Code | QC Failures | Units    | Cert # |
|-----------|-------------------|---------------------------------|--------|------|-------------|----------|--------|
| 1191231   | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 1.8    | I    |             | mg/L     | E31780 |
| 1191272   | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 4.9    |      |             | ug/L     |        |
|           |                   | Phaeophytin-a                   | 0.40   | U    |             | ug/L     |        |
|           |                   | Chlorophyll/Phaeophytin Ratio   | 1.7    |      |             |          |        |
|           |                   | Chlorophyll-a, Uncorrected      | 5.2    |      |             | ug/L     |        |
| 1191302   | EPA 1600          | Enterococci-Membrane Filter     | 2      | U    |             | #/100 mL | E71969 |
|           | SM 9222 D         | Fecal Coliforms-Membrane Filter | 1      | B    |             | #/100 mL |        |

**Field ID: 10**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

Ref. Method and Comment:

SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L.

**Sample Location: EAST OF PRIMARY STORM DRAIN****Collection Date/Time: 06/01/2009 11:21 AM****Field ID: 3**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

|         |           |                                 |   |   |  |          |        |
|---------|-----------|---------------------------------|---|---|--|----------|--------|
| 1191295 | EPA 1600  | Enterococci-Membrane Filter     | 2 | U |  | #/100 mL | E71969 |
|         | SM 9222 D | Fecal Coliforms-Membrane Filter | 1 | B |  | #/100 mL |        |

**Sample Location: EAST OF STORMDRAIN INSIDE PGS SITE 2****Collection Date/Time: 06/01/2009 12:14 PM****Field ID: 14**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

|         |                   |                                 |      |   |  |          |        |
|---------|-------------------|---------------------------------|------|---|--|----------|--------|
| 1191235 | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 1.9  | I |  | mg/L     | E31780 |
| 1191276 | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 6.9  |   |  | ug/L     |        |
|         |                   | Phaeophytin-a                   | 0.49 | I |  | ug/L     |        |
|         |                   | Chlorophyll/Phaeophytin Ratio   | 1.7  |   |  |          |        |
|         |                   | Chlorophyll-a, Uncorrected      | 7.5  |   |  | ug/L     |        |
| 1191306 | EPA 1600          | Enterococci-Membrane Filter     | 2    | U |  | #/100 mL | E71969 |
|         | SM 9222 D         | Fecal Coliforms-Membrane Filter | 1    | B |  | #/100 mL |        |

Ref. Method and Comment:

SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L.

**Sample Location: END OF CHASE ST****Collection Date/Time: 06/01/2009 12:45 PM****Field ID: 5**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

|         |           |                                 |   |   |  |          |        |
|---------|-----------|---------------------------------|---|---|--|----------|--------|
| 1191297 | EPA 1600  | Enterococci-Membrane Filter     | 2 | B |  | #/100 mL | E71969 |
|         | SM 9222 D | Fecal Coliforms-Membrane Filter | 1 | B |  | #/100 mL |        |

**Sample Location: ENTRANCE OF MARINA****Collection Date/Time: 06/01/2009 11:40 AM****Field ID: 11**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

|         |                   |                                 |      |   |  |          |        |
|---------|-------------------|---------------------------------|------|---|--|----------|--------|
| 1191232 | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 1.8  | I |  | mg/L     | E31780 |
| 1191273 | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 3.9  |   |  | ug/L     |        |
|         |                   | Phaeophytin-a                   | 0.40 | U |  | ug/L     |        |
|         |                   | Chlorophyll/Phaeophytin Ratio   | 1.7  |   |  |          |        |
|         |                   | Chlorophyll-a, Uncorrected      | 4.2  |   |  | ug/L     |        |
| 1191303 | EPA 1600          | Enterococci-Membrane Filter     | 2    | U |  | #/100 mL | E71969 |
|         | SM 9222 D         | Fecal Coliforms-Membrane Filter | 1    | U |  | #/100 mL |        |

**Field ID: 11**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

Ref. Method and Comment:

SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L.

**Sample Location: INSIDE HAWKSHAW LAGOON**

**Collection Date/Time: 06/01/2009 12:55 PM**

**Field ID: 13**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

|         |                   |                                 |     |   |  |          |        |
|---------|-------------------|---------------------------------|-----|---|--|----------|--------|
| 1191234 | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 2.4 |   |  | mg/L     | E31780 |
| 1191275 | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 7.6 |   |  | ug/L     |        |
|         |                   | Phaeophytin-a                   | 3.3 |   |  | ug/L     |        |
|         |                   | Chlorophyll/Phaeophytin Ratio   | 1.5 |   |  |          |        |
|         |                   | Chlorophyll-a, Uncorrected      | 9.9 |   |  | ug/L     |        |
| 1191305 | EPA 1600          | Enterococci-Membrane Filter     | 10  | B |  | #/100 mL | E71969 |
|         | SM 9222 D         | Fecal Coliforms-Membrane Filter | 18  | B |  | #/100 mL |        |

Ref. Method and Comment:

SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L.

**Sample Location: RANGE MARKER E. OF TEXAR**

**Collection Date/Time: 06/01/2009 11:00 AM**

**Field ID: 1**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

|         |                   |                                 |      |   |  |          |        |
|---------|-------------------|---------------------------------|------|---|--|----------|--------|
| 1191222 | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 1.6  | I |  | mg/L     | E31780 |
| 1191266 | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 5.7  |   |  | ug/L     |        |
|         |                   | Phaeophytin-a                   | 0.40 | U |  | ug/L     |        |
|         |                   | Chlorophyll/Phaeophytin Ratio   | 1.7  |   |  |          |        |
|         |                   | Chlorophyll-a, Uncorrected      | 6.0  |   |  | ug/L     |        |
| 1191293 | EPA 1600          | Enterococci-Membrane Filter     | 2    | U |  | #/100 mL | E71969 |
|         | SM 9222 D         | Fecal Coliforms-Membrane Filter | 1    | U |  | #/100 mL |        |

Ref. Method and Comment:

SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L.

**Sample Location: WEST END OF HAWKSHAW 100 FT SOUTH OF OUTFALL**

**Collection Date/Time: 06/01/2009 11:55 AM**

**Field ID: 9**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

|         |                   |                                 |      |   |  |          |        |
|---------|-------------------|---------------------------------|------|---|--|----------|--------|
| 1191230 | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 1.4  | I |  | mg/L     | E31780 |
| 1191271 | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 3.7  |   |  | ug/L     |        |
|         |                   | Phaeophytin-a                   | 0.52 | I |  | ug/L     |        |
|         |                   | Chlorophyll/Phaeophytin Ratio   | 1.6  |   |  |          |        |
|         |                   | Chlorophyll-a, Uncorrected      | 4.2  |   |  | ug/L     |        |
| 1191301 | EPA 1600          | Enterococci-Membrane Filter     | 2    | U |  | #/100 mL | E71969 |
|         | SM 9222 D         | Fecal Coliforms-Membrane Filter | 1    | B |  | #/100 mL |        |

**Field ID: 9**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method | Component | Result | Code | QC Failures | Units | Cert # |
|-----------|-------------|-----------|--------|------|-------------|-------|--------|
|-----------|-------------|-----------|--------|------|-------------|-------|--------|

Ref. Method and Comment:

SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L.

**Sample Location:** WEST OF STORM DRAIN INSIDE ROCKS **Collection Date/Time:** 06/01/2009 12:50 PM

**Field ID: 8**

Matrix: W-SURF-SLT

| Sample ID | Ref. Method       | Component                       | Result | Code | QC Failures | Units    | Cert # |
|-----------|-------------------|---------------------------------|--------|------|-------------|----------|--------|
| 1191229   | SM 5210 B         | Biochemical Oxygen Demand-5 Day | 1.8    | I    |             | mg/L     | E31780 |
| 1191270   | SM 10200 H (mod.) | Chlorophyll-a, Corrected        | 2.6    |      |             | ug/L     |        |
|           |                   | Phaeophytin-a                   | 0.40   | U    |             | ug/L     |        |
|           |                   | Chlorophyll/Phaeophytin Ratio   | 1.7    |      |             |          |        |
|           |                   | Chlorophyll-a, Uncorrected      | 2.8    |      |             | ug/L     |        |
| 1191300   | EPA 1600          | Enterococci-Membrane Filter     | 4      | B    |             | #/100 mL | E71969 |
|           | SM 9222 D         | Fecal Coliforms-Membrane Filter | 14     | B    |             | #/100 mL |        |

Ref. Method and Comment:

SM 5210 B Dilution water blank exceeds method limit of 0.20 mg/L but is within laboratory historical limit of 0.50 mg/L.

## Quality Control Report

| Ref. Method       | Analyte                       | LCS %Recovery | MS %Recovery | LCS | Precision SMP | MS |
|-------------------|-------------------------------|---------------|--------------|-----|---------------|----|
| SM 10200 H (mod.) | Chlorophyll-a, Corrected      |               |              |     | 13.5          |    |
|                   | Chlorophyll-a, Uncorrected    |               |              |     | 14.9          |    |
|                   | Chlorophyll/Phaeophytin Ratio |               |              |     | 0.0           |    |
|                   | Chlorophyll-a, Corrected      |               |              |     | 6.60          |    |
|                   | Chlorophyll-a, Uncorrected    |               |              |     | 2.92          |    |
|                   | Chlorophyll/Phaeophytin Ratio |               |              |     | 0.0           |    |
|                   | Phaeophytin-a                 |               |              |     | 8.50          |    |

## Reference Method Descriptions

**Ref. Method:**

**Description**

|                   |                                                                              |
|-------------------|------------------------------------------------------------------------------|
| EPA 1600          | Enterococci by membrane filter method by UWF Overflow Laboratory for NWD     |
| SM 10200 H (mod.) | Phytoplankton chlorophyll-a and phaeophytin and ratio by spectrophotometry   |
| SM 5210 B         | BOD, NOT nitrogen-inhibited                                                  |
| SM 9222 D         | Fecal coliforms by membrane filter method by UWF Overflow Laboratory for NWD |

## Non-Conformance Report

**NCR ID: 3141**

**Event(s)**

**Job(s)**

**Sample(s)**

**Test(s)**

NW-DIST-2009-06-02-01

**NCR Type: SHIPPING/RECEIVING**

**NCR Category: Receiving**

Observation: Samples not received. Containers for three of the samples were not received.

Field IDs:

#3, #5 and #6

Resolution: Customer was notified (Michael King by voicemail).

Authorized By / Date:

Kathryn Brackett 6/26/2009

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The Non-Conformance Report details exceptions or problems encountered with the events/jobs/samples/test.

Please address questions to:

Chemistry Tim Fitzpatrick (850) 245-8085

Biology David D. Whiting (850) 245-8177

## Preparation and Analysis Log

| Ref. Method       | Received Date | Prep Date/Time   | Prepared by       | Analysis Date/Time | Analyzed by     | Associated Samples                                                                                |
|-------------------|---------------|------------------|-------------------|--------------------|-----------------|---------------------------------------------------------------------------------------------------|
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:12   | UWF Lab         | 1191293                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:15   | UWF Lab         | 1191294                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:17   | UWF Lab         | 1191295                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:22   | UWF Lab         | 1191296                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:25   | UWF Lab         | 1191297                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:27   | UWF Lab         | 1191298                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:30   | UWF Lab         | 1191299                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:35   | UWF Lab         | 1191300                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:37   | UWF Lab         | 1191301                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:40   | UWF Lab         | 1191302                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:42   | UWF Lab         | 1191303                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:45   | UWF Lab         | 1191304                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:50   | UWF Lab         | 1191305                                                                                           |
| EPA 1600          | 6/1/2009      |                  |                   | 06/01/2009 16:52   | UWF Lab         | 1191306                                                                                           |
| SM 10200 H (mod.) | 6/2/2009      | 06/02/2009 13:05 | Chelsea A. French | 06/12/2009         | Kim M. Spencer  | 1191266, 1191267, 1191268, 1191269, 1191270, 1191271, 1191272, 1191273                            |
| SM 10200 H (mod.) | 6/2/2009      | 06/02/2009 13:05 | Chelsea A. French | 06/15/2009         | Kim M. Spencer  | 1191274, 1191275, 1191276                                                                         |
| SM 5210 B         | 6/2/2009      |                  |                   | 06/03/2009 08:10   | Jacqueline Shim | 1191222, 1191223, 1191225, 1191228, 1191229, 1191230, 1191231, 1191232, 1191233, 1191234, 1191235 |
| SM 9222 D         | 6/1/2009      |                  |                   | 06/01/2009 15:52   | UWF Lab         | 1191293                                                                                           |
| SM 9222 D         | 6/1/2009      |                  |                   | 06/01/2009 15:54   | UWF Lab         | 1191294                                                                                           |
| SM 9222 D         | 6/1/2009      |                  |                   | 06/01/2009 15:56   | UWF Lab         | 1191295                                                                                           |
| SM 9222 D         | 6/1/2009      |                  |                   | 06/01/2009 16:01   | UWF Lab         | 1191296                                                                                           |
| SM 9222 D         | 6/1/2009      |                  |                   | 06/01/2009 16:03   | UWF Lab         | 1191297                                                                                           |
| SM 9222 D         | 6/1/2009      |                  |                   | 06/01/2009 16:05   | UWF Lab         | 1191298                                                                                           |
| SM 9222 D         | 6/1/2009      |                  |                   | 06/01/2009 16:08   | UWF Lab         | 1191299                                                                                           |

## Preparation and Analysis Log

| Ref. Method | Received Date | Prep Date/Time | Prepared by | Analysis Date/Time | Analyzed by | Associated Samples |
|-------------|---------------|----------------|-------------|--------------------|-------------|--------------------|
| SM 9222 D   | 6/1/2009      |                |             | 06/01/2009 16:12   | UWF Lab     | 1191300            |
| SM 9222 D   | 6/1/2009      |                |             | 06/01/2009 16:14   | UWF Lab     | 1191301            |
| SM 9222 D   | 6/1/2009      |                |             | 06/01/2009 16:16   | UWF Lab     | 1191302            |
| SM 9222 D   | 6/1/2009      |                |             | 06/01/2009 16:18   | UWF Lab     | 1191303            |
| SM 9222 D   | 6/1/2009      |                |             | 06/01/2009 16:22   | UWF Lab     | 1191304            |
| SM 9222 D   | 6/1/2009      |                |             | 06/01/2009 16:24   | UWF Lab     | 1191305            |
| SM 9222 D   | 6/1/2009      |                |             | 06/01/2009 16:26   | UWF Lab     | 1191306            |