

C-kit\_McKay

## Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Judy Ashton

Field Report Prepared By:

Judy Ashton

Project ID: SMP

Collected By:

J. Ashton, L. Bahtler

Sampling Agency:

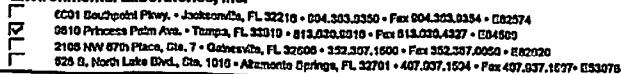
FDEP

|                                                                         |  |                                                                           |  |                                                                               |  |                                       |  |                                                                            |  |                                    |  |
|-------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|--|---------------------------------------|--|----------------------------------------------------------------------------|--|------------------------------------|--|
| Location                                                                |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 5-23-17 Time 1200                     |  | Eastern<br>Central                    |  | Composite end<br>Date Time                                                 |  | Bottle Group(s)<br>(See pg 2)      |  |
| Field ID<br>RQ-2017-05-22-23<br>Date: 05/23/17<br>Time:                 |  | Barcode<br>G5SW0126                                                       |  | Matrix (type, e.g., Salt, Fresh, etc)                                         |  | Diss. Oxygen<br>4.0                   |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |  | Total Res. Chlorine<br>(mg/L)      |  |
| STORET #<br>McKay Creek                                                 |  | Barcode<br>G5SW0126                                                       |  | Temp (C)<br>31.2                                                              |  | pH<br>7.1                             |  | Sample Depth<br>0.3                                                        |  | Sp. Conductance<br>(umho/cm) 32730 |  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |  | Salinity (ppt)<br>20.1                                                        |  | Comments<br>E. COLI DROPPED OFF 2 AEL |  |                                                                            |  |                                    |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time                                  |  | Eastern<br>Central                    |  | Composite end<br>Date Time                                                 |  | Bottle Group(s)                    |  |
| Field ID                                                                |  |                                                                           |  | Matrix (type, e.g., Salt, Fresh, etc)                                         |  | Diss. Oxygen                          |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            |  | Total Res. Chlorine<br>(mg/L)      |  |
| STORET #                                                                |  |                                                                           |  | Temp (C)                                                                      |  | pH                                    |  | Sample Depth<br><input type="checkbox"/> ft<br><input type="checkbox"/> m  |  | Sp. Conductance<br>(umho/cm)       |  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |  | Salinity (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                              |  |                                                                            |  |                                    |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time                                  |  | Eastern<br>Central                    |  | Composite end<br>Date Time                                                 |  | Bottle Group(s)                    |  |
| Field ID                                                                |  |                                                                           |  | Matrix (type, e.g., Salt, Fresh, etc)                                         |  | Diss. Oxygen                          |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            |  | Total Res. Chlorine<br>(mg/L)      |  |
| STORET #                                                                |  |                                                                           |  | Temp (C)                                                                      |  | pH                                    |  | Sample Depth<br><input type="checkbox"/> ft<br><input type="checkbox"/> m  |  | Sp. Conductance<br>(umho/cm)       |  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |  | Salinity (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                              |  |                                                                            |  |                                    |  |
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time                                  |  | Eastern<br>Central                    |  | Composite end<br>Date Time                                                 |  | Bottle Group(s)                    |  |
| Field ID                                                                |  |                                                                           |  | Matrix (type, e.g., Salt, Fresh, etc)                                         |  | Diss. Oxygen                          |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            |  | Total Res. Chlorine<br>(mg/L)      |  |
| STORET #                                                                |  |                                                                           |  | Temp (C)                                                                      |  | pH                                    |  | Sample Depth<br><input type="checkbox"/> ft<br><input type="checkbox"/> m  |  | Sp. Conductance<br>(umho/cm)       |  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms  |  | Salinity (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                              |  |                                                                            |  |                                    |  |

|                               |                           |                           |                                 |                             |                           |
|-------------------------------|---------------------------|---------------------------|---------------------------------|-----------------------------|---------------------------|
| Relinquished By:<br>J. Ashton | Date/Time<br>5-23-17 1700 | Shipping Method<br>FED Ex | Number of Coolers Shipped:<br>1 | Received By:<br>[Signature] | Date/Time<br>5-24-17 9:55 |
|-------------------------------|---------------------------|---------------------------|---------------------------------|-----------------------------|---------------------------|

|          |                                                                                    |         |                 |               |               |                                     |          |
|----------|------------------------------------------------------------------------------------|---------|-----------------|---------------|---------------|-------------------------------------|----------|
| Group: A | Bottle Type:                                                                       | P-1L    | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>1</u> |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |         |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | BP-1L   | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>1</u> |
|          | CHLSUITE-W                                                                         |         |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | P-500ML | # of Bottles: 1 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | <u>1</u> |
|          | W-ICP<br>W-ICPMS                                                                   |         |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | P-500ML | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>1</u> |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |         |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | P-125ML | # of Bottles: 1 | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab | <u>1</u> |
|          | W-PO4-F                                                                            |         |                 |               |               |                                     |          |

|         |                         |             |     |                   |          |
|---------|-------------------------|-------------|-----|-------------------|----------|
| GROUP B | SWS-AEL- <del>DEC</del> | 1 BOTTLE    | ICE | # BOTTLES SENT    | <u>0</u> |
|         |                         |             |     | DROPPED ALL 2 AEL |          |
| GROUP B | PCR-FILTER              | 2 BOTTLES   | ICE | # BOTTLES SENT    | <u>2</u> |
|         |                         | PCR-P-250ML |     |                   |          |
| GROUP B | W-AHCLB-AA              | BP-1L       | ICE | # BOTTLES SENT    | <u>1</u> |
|         | W-UTENS-AA              |             |     |                   |          |
|         | W-SUC-AA-R              |             |     |                   |          |

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Printed: 5/25/2017 08:13:34

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Date of Request: 24-APR-2017  
 Created By: ASHTON\_J On: 24-APR-2017  
 Modified By: MATTHEWS\_D On: 08-MAY-2017  
 Customer: WQAP  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Sampling Event: C-kit\_McKay

**Send Coolers To:**

Phone: 813-470-5772  
 13051 N. Telecom Parkway  
  
 Tampa, FL 33637  
 Attn: Judy Ashton

Program Module Number:  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 04-MAY-2017  
 Biology Request Reviewed By: MATTHEWS\_D On: 08-MAY-2017  
 Sampling Kit Required: YES Ship on: 08-MAY-2017  
 Sampling Kit Shipped: YES On: 08-MAY-2017  
 Sampling Kit Packed By: GREENWOO\_J  
 Preservatives Needed: NO  
 Date to Receive Samples: 24-MAY-2017  
 Received By: SHAIK\_A On: 24-MAY-2017

**Send Final Report To:**

13051 N. Telecom Parkway  
  
 Tampa, FL 33637  
 Attn: Judy Ashton

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments: Group A: Freshwater Kit With Metals

**Bottle Group A (Water) With 1 Samples:**

|                       |                      |                                                                                                                                                |
|-----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L     | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ALKALINITY            | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                       |
| TURBIDITY             | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC               | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR               | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                                                      |
| Color (true)          |                      |                                                                                                                                                |
| W-F                   | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| W-SO <sub>4</sub> -IC | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                 | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                                      |
| Bottle Type: BP-1L    | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W            | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry                             |
| Bottle Type: P-500ML  | Number of Bottles: 1 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-ICP                 | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium               |                      |                                                                                                                                                |
| Chromium              |                      |                                                                                                                                                |
| Iron                  |                      |                                                                                                                                                |
| Magnesium             |                      |                                                                                                                                                |
| Nickel                |                      |                                                                                                                                                |
| Potassium             |                      |                                                                                                                                                |
| Sodium                |                      |                                                                                                                                                |
| Zinc                  |                      |                                                                                                                                                |
| W-ICPMS               | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic               |                      |                                                                                                                                                |
| Cadmium               |                      |                                                                                                                                                |
| Copper                |                      |                                                                                                                                                |

**Bottle Group A (Water) With 1 Samples:**

Bottle Type: P-500ML      Number of Bottles: 1      Preserved With: HNO3  
W-ICPMS      Template:      (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Lead  
Silver

Bottle Type: P-500ML      Number of Bottles: 1      Preserved With: ICE And H2SO4  
W-NH3      Template: DEFAULT      (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L  
W-NO2NO3      Template: DEFAULT      (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  
W-S-A-TP      Template: DEFAULT      (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L  
W-TKN      Template: DEFAULT      (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices  
W-TOC      Template: DEFAULT      (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices  
Bottle Type: P-125ML      Number of Bottles: 1      Preserved With: ICE-FLTR  
W-PO4-F      Template: DEFAULT      (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

# Log-in Checklist

RQ- 2017-05-22-23

Shipping Method: FedEx

Date/Time of Receipt: 05-24-17/9:05

| Cooler ID | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |     |          |  | Tracking # (fill out only if waybill copy is damaged) |
|-----------|---------------------|---------------------------------|---------------|-----|----------|--|-------------------------------------------------------|
|           |                     |                                 | Present?      |     | *Intact? |  |                                                       |
| Yes       | No                  | Yes                             | No            | Yes | No       |  |                                                       |
| Real      | 1.4C                | 8                               |               |     |          |  | 811305630215                                          |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |

\*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

**\*\*Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

**\*\*Chain of Custody/ Field Sheet(s) Included?** Yes ☒ No ☐

## CONTAINER CHECK

**\*\*Evidence Tape on Bottles?** Yes ☐ No ☒ If yes, is it intact? Yes ☐ No ☐

**\*\*Caps on tight?** Yes ☒ No ☐ **\*\*Containers intact?** Yes ☐ No ☐

**\*\*Sufficient Sample Volume:** Yes ☒ No ☐

## CHLORINE CHECK (Blue dot on container)

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |    |               |     |    |
|------------------------------------------------------------------------------------------------------|-----|----|---------------|-----|----|
| Analysis                                                                                             | Yes | No | Analysis      | Yes | No |
| W-1,4 DIOX                                                                                           |     |    | W-PC-AA-SF    |     |    |
| W-AHERB-AA (-AHB-AA-R)                                                                               |     |    | W-PCL-SQ (-R) |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT      |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PESTNP-R    |     |    |
| W-ENDO-AA                                                                                            |     |    | W-PSCL-TQ     |     |    |
| W-GLYPH                                                                                              |     |    | W-PSNP-TQ     |     |    |
| W-NP-AA-SF                                                                                           |     |    | W-PST-CL-R    |     |    |
| W-PAH (-R)                                                                                           |     |    | W-TR-TQ       |     |    |
| W-PCB-R                                                                                              |     |    | W-CT-CI-R     |     |    |

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**\*\*Acid Preserved Samples:** pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: ADP

**\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?** Yes ☐ No ☒ NA ☐ Init: ADP

Coolers Unpacked/Checked by: ADP Date: 5-24-17 NCRs (Y/N)? Y

Event ID: C-kit McKay  
WQAP-2017-05-24-06 (SMP)  
 Date Received: 24-MAY-2017 09:55 NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ No \_\_\_\_\_

If no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

**FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):**

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

**Additional Comments:**