



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

PAGE ____ OF ____

STORET Station Name: Pine Hill Lake Middle

Date: 4/13/2016

Data Qualified?
Yes ☒ No ☒

STORET Station ID: G1WA0054

Latitude: 30.58492

(Decimal Degrees)

WBID: 564B

RQ - 2016-04-11-33

ORG ID: 21FLWQA

Longitude: -84.2195

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

Field ID: G1WA0054

County: Leon

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
James Albright								
Robert Wiwi								

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	

Equipment ID: _____

Collection Method		
☐ Wading	☒ Via Boat	
☐ From Shore	☒ Canoe/Kayak	
☐ Other (note below)	☐ Electric Motor	
	☐ Gasoline Motor	

Water Level: Dry / Low / Normal / High / Flooded

Matrix: Fresh / Marine / DI

Meter ID# 2 Photos: Yes / No Tide Falling: Yes / No / NA

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	12:20	0.3	1.7	9.07	106.0	7.02	0.02	1.2	47	23.09
CEN	12:25	1.2		9.07	105.0	6.92	0.02		48	22.57

Biological Samples Collected: None HA SCI LVS RPS LVI Other _____

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	5259020	9/16/16	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO2			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
BOD	☒ BOD-UNIN	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococcus ☐ QPCR	☐ Ice			
Periphyton	☐ ALGAE-ID	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Contains 1:1 Sulfuric Acid SA-5259020 EXP: 09/16/16 Warning! See MSDS

Notes: ph(T) value not properly bracketed during cov



G1WA0054 13 April 2016

Pine Hill Lake Middle

Signature:

Date: 4/14/16

Field Parameters Entered into LIMS: Cm 4-15-2016

Field Parameters QC in LIMS: BR 4/25/16

Date Migrated to STORET: _____

Field Sheets Scanned/Saved: _____

(Initials/Date)

(Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter # 2

RQ- 2016-04-11-33

Project SMP - Ochlocknee Stream

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 03/04/2016

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. Albright	4-13-16	0734	22.15°	8.71	8.72	100	34.9		Pass	Lab
ICV	J. Albright	4-13-16	0737	22.20°	8.71	8.6	98.8	33.9		Pass	Lab
CCV	R. Wini	4/13/16	1643	22.67	8.6	8.3	96%	29.8		Pass	Lab
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J. Albright	4-13-16	0741	CC13882	7-15-16	101.1	101.0	Pass	Lab
ICV	J. Albright	4-13-16	0742	—	—	—	101.0	Pass	Lab
CCV	R. Wini	4/13/16	1703	CC13882	7/15/16	101.1	101	Pass	Lab
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. Albright	4-13-16	0744	153035	7-2017	7.0	7.0	-11.3	Pass	Lab
Calibr.	J. Albright	4-13-16	0745	154634	7-2017	4.0	4.0	163.7	Pass	Lab
Calibr.	J. Albright	4-13-16	0747	146934	10-2016	10.0	10.0	-185.6	Pass	Lab
ICV	J. Albright	4-13-16	0747	146934	10-2016	10.0	9.99	-185.1	Pass	Lab
CCV	R. Wini	4/13/16	1705	146934	10/16	10.0	10.1	-188.8	Pass	Lab
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

pH (J) Value not properly bracketed during CCV

Request Number: RQ-2016-04-11-33

Lower Dianne Lake, Upper Dianne Lake, Lake Tom
John, Pine Hill Lake and Quincy CreekFlorida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 3

last revised Nov 10, 2015

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: S. Albright and R. Wiwi

Project ID: SMP

Collected By: S. Albright and R. Wiwi

Sampling Agency: FDEP-WQAP-WAS

Location Lake Monkey Business Middle		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4/13/16 Time 9:35 Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID G1WA0036		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.52		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
STORET # G1WA0036		Temp (C) 22.92		pH 6.94		Sample Depth 0.3		Sp. Conductance (umho/cm) 63	
Latitude 30.60779		☒ dd ☐ dms		Longitude -84.23076		☒ dd ☐ dms		Salinity (ppt) 0.03	
Comments									
Location Upper Dianne Lake Middle		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4/13/16 Time 10:30 Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID G1WA0041		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.91		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
STORET # G1WA0041		Temp (C) 23.26		pH 7.82		Sample Depth 0.3		Sp. Conductance (umho/cm) 64	
Latitude 30.59986		☒ dd ☐ dms		Longitude -84.23778		☒ dd ☐ dms		Salinity (ppt) 0.03	
Comments									
Location Lower Dianne Lake Middle		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4/13/16 Time 11:15 Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID G1WA0040		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.51		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
STORET # G1WA0040		Temp (C) 23.05		pH 6.94		Sample Depth 0.3		Sp. Conductance (umho/cm) 62	
Latitude 30.59355		☒ dd ☐ dms		Longitude -84.23534		☒ dd ☐ dms		Salinity (ppt) 0.03	
Comments									
Location Pine Hill Lake Middle		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4/13/16 Time 12:20 Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID G1WA0054		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.07		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
STORET # G1WA0054		Temp (C) 23.09		pH 7.02		Sample Depth 0.3		Sp. Conductance (umho/cm) 47	
Latitude 30.58492		☒ dd ☐ dms		Longitude -84.2195		☒ dd ☐ dms		Salinity (ppt) 0.02	
Comments									

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
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Request Number: RQ-2016-04-11-33

Lower Dianne Lake, Upper Dianne Lake, Lake Tom
John, Pine Hill Lake and Quincy CreekFlorida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 3

last revised Nov 10, 2015

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: J. Albright and R. Wiwi

Project ID: SMP

Collected By: J. Albright and R. Wiwi

Sampling Agency: FDEP - WQAP - WAS

Location Lake Tom John Middle		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4/13/16 Time 13:10		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID G1WA0043		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.74		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		B	
STORET # G1WA0043		Temp (C) 23.61		pH 7.10		Sample Depth 0.3		☐ ft ☒ m			
Latitude 30.54484		☒ dd ☐ dms		Longitude -84.21478		☒ dd ☐ dms		Salinity (ppt) 0.03		Comments	
Location Quincy Creek 100 meters upstream of Ralph Strony Rd		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4/13/16 Time 14:30		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID G1WA0018		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.09		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # G1WA0018		Temp (C) 18.55		pH 7.08		Sample Depth 0.15		☐ ft ☒ m			
Latitude 30.5837		☒ dd ☐ dms		Longitude -84.5503		☒ dd ☐ dms		Salinity (ppt) 0.03		Comments	
Location Quincy Creek upstream of SR 12		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4/13/16 Time 15:10		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID G1WA0019		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.05		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # G1WA0019		Temp (C) 18.30		pH 7.00		Sample Depth 0.15		☐ ft ☒ m			
Latitude 30.5923		☒ dd ☐ dms		Longitude -84.5634		☒ dd ☐ dms		Salinity (ppt) 0.03		Comments	
Location Petty Gulf Lake Middle		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4/13/16 Time 12:00		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID G1WA0022		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.85		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		B	
STORET # G1WA0022		Temp (C) 22.95		pH 7.37		Sample Depth 0.3		☐ ft ☒ m			
Latitude 30.58915		☒ dd ☐ dms		Longitude -84.22637		☒ dd ☐ dms		Salinity (ppt) 0.03		Comments	

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
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Printed: 3/31/2016 11:38:00 AM

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Date of Request: 21-MAR-2016
 Created By: RALYS_B On: 21-MAR-2016
 Modified By: SWANSON_C On: 22-MAR-2016
 Customer: WQAP
 Project: SMP
 Division:
 District:

Send Coolers To:

Phone: 850-245-8443
 2600 Blair Stone Rd
 MS #3560
 Tallahassee, FL 32399-2400
 Attn: Benjamin Ralys

Sampling Event: Lower Dianne Lake, Upper Dianne Lake, Lake Tom John, Pine Hill Lake and Quincy Creek

Send Final Report To:

2600 Blair Stone Rd
 MS #3560
 Tallahassee, FL 32399-2400
 Attn: Katrina Sanders

Program Module Number:

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 21-MAR-2016
 Biology Request Reviewed By: SWANSON_C On: 22-MAR-2016
 Sampling Kit Required: YES Ship on: 28-MAR-2016
 Sampling Kit Shipped: YES On: 30-MAR-2016
 Sampling Kit Packed By: LASHLEY_C
 Preservatives Needed: NO
 Date to Receive Samples: 13-APR-2016
 Received By:

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

Comments:

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO ₃ /L
Total Alkalinity		
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Turbidity		
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
Chloride		
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)
Fluoride		
W-NO2	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite in aqueous matrices as mg N/L
Nitrite-N		
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
TDS		
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
TSS		
Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
Biochemical Oxygen Demand-5 Day		
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Chlorophyll/Phaeophytin Ratio		
Chlorophyll-a, Corrected		
Chlorophyll-a, Uncorrected		
Phaeophytin-a		
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO ₃

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-500ML Number of Bottles: 2 Preserved With: HNO3
 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
 Lead
 Silver

Bottle Type: P-500ML Number of Bottles: 2 Preserved With: ICE And H2SO4
 W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
 Ammonia-N
 W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
 NO2NO3-N
 W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
 Total-P
 W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
 Kjeldahl Nitrogen
 W-TOC Template: DEFAULT (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
 Organic Carbon

Bottle Type: P-125ML Number of Bottles: 2 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
 O-Phosphate-P

Bottle Group B (Water) With 4 Samples:

Bottle Type: P-500ML Number of Bottles: 4 Preserved With: ICE And H2SO4
 W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
 Ammonia-N
 W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
 NO2NO3-N
 W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
 Total-P
 W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
 Kjeldahl Nitrogen
 W-TOC Template: DEFAULT (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
 Organic Carbon

Bottle Type: P-125ML Number of Bottles: 4 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
 O-Phosphate-P

Bottle Type: P-1L Number of Bottles: 4 Preserved With: ICE
 ALKALINITY Template: DEFAULT (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
 Total Alkalinity
 TURBIDITY Template: DEFAULT (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
 Turbidity
 W-CL-IC Template: DEFAULT (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
 Chloride
 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)
 Fluoride
 W-NO2 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite in aqueous matrices as mg N/L
 Nitrite-N

Bottle Group B (Water) With 4 Samples:

Bottle Type: P-1L	Number of Bottles: 4	Preserved With: ICE
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
TDS		
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
TSS		
Bottle Type: P-1L	Number of Bottles: 4	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
Biochemical Oxygen Demand-5 Day		
Bottle Type: BP-1L	Number of Bottles: 4	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Chlorophyll/Phaeophytin Ratio		
Chlorophyll-a, Corrected		
Chlorophyll-a, Uncorrected		
Phaeophytin-a		

Cooler Packing Worksheet for Request: RQ-2016-04-11-33
Lower Dianne Lake, Upper Dianne Lake, Lake Tom John, Pine Hill Lake and Quincy Creek

Ship Cooler On: 3/28/2016
Customer/Project: WQAP/SMP

Requester: Benjamin Ralys
Priority: 3

850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Benjamin Ralys

Comments:

No preservatives needed.

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00064196

Description: Plastic Bottle 1L

Analysis

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-NO2
W-TDS
W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L
Turbidity in aqueous matrices
Chloride in aqueous matrices
True Color measured at 450 nm
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Nitrite in aqueous matrices as mg N/L
Total Dissolved Solids in aqueous matrices
Total Suspended Solids in aqueous matrices

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00064196

Description: Plastic Bottle 1L

Analysis

BOD-UNIN

Description

BOD, NOT nitrogen-inhibited

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1158198

Description: Brown Plastic Bottle 1L

Analysis

Description

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00063982

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00063982

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 2 Preservation: ICE-FLTR

Lot # 00064520

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B**# of Sites: 4**

Container ID: P-1L

Qty: 4 Preservation: ICE

Lot # 00064196

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-NO2

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Nitrite in aqueous matrices as mg N/L

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: P-1L
Description: Plastic Bottle 1L

Qty: 4 Preservation: ICE

Lot # 00064196

Analysis
BOD-UNIN

Description
BOD, NOT nitrogen-inhibited

Container ID: BP-1L
Description: Brown Plastic Bottle 1L

Qty: 4 Preservation: ICE

Lot # 1158198

Analysis
CHLSUITE-W

Description
Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML
Description: Plastic Bottle 500 mL

Qty: 4 Preservation: ICE And H2SO4
Affix YELLOW sulfuric acid dot to container.

Lot # 00063982

Analysis
W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Description
Ammonia in aqueous matrices as mg N/L
Nitrite/Nitrate in aqueous matrices as mg N/L
Total Phosphorus in aqueous matrices as mg P/L
Total Kjeldahl Nitrogen in aqueous matrices
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML
Description: Plastic Bottle 125 mL

Qty: 4 Preservation: ICE-FLTR

Lot # 00064520

Analysis
W-PO4-F

Description
Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: CC Date: 3/30/16
DEP Cooler ID #(s): 2 coolers

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☒ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID <u>N/A</u>	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2016-04-11-33