

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2023	2024	2025	2026	2027
Capital Expenditures					
Operating Costs					
External Revenues					
Program Income					
In-Kind Match (County)					
NET FISCAL IMPACT	-0-				
# ADDITIONAL FTE POSITIONS (Cumulative)					

Is Item Included In Current Budget? Yes _____ No _____

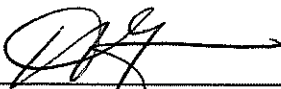
Budget Account No.:

Fund _____ Dept. _____ Unit _____ Object _____ Program Code/Period _____

B. Recommended Sources of Funds/Summary of Fiscal Impact:

No fiscal impact associated with designating the property as a Brownfield Area

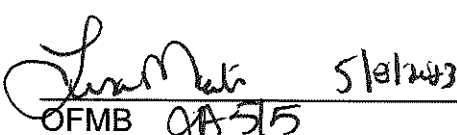
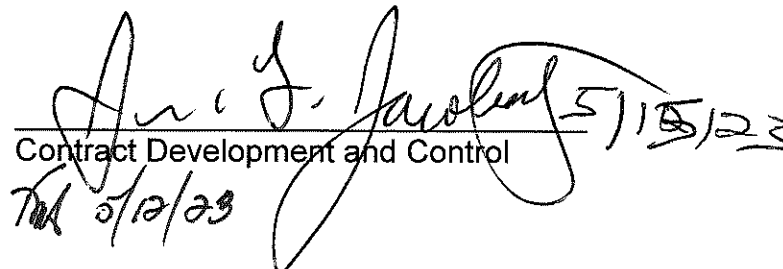
C. Departmental Fiscal Review:




 Valerie Alleyne, Division Director II
 Finance and Administrative Services, DHED

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:


 OFMB QA 5/5 LM 5/5

 Contract Development and Control 5/15/23
 Tel 5/12/23

B. Legal Sufficiency:


 _____ 5/15/23
 Assistant County Attorney

C. Other Department Review:

 Department Director

(THIS SUMMARY IS NOT TO BE USED AS A BASIS FOR PAYMENT)

Background and Policy Issues: Continued from Page 1

Financial and regulatory incentives become available when a local government designates a Brownfield Area by resolution. These financial and regulatory incentives enable local governments and state agencies to partner with the private sector to rehabilitate contaminated properties, create jobs and promote sustainable reuse of properties within designated Brownfield Areas. A "Brownfield Area" is defined by statute as *"...a contiguous area of one of more Brownfield sites, some of which may not be contaminated, and which has been designated by a local government by resolution."* A "Brownfield site" is defined by statute as *"...real property, the expansion, redevelopment or reuse of which may be complicated by actual or perceived environmental contamination."*

RESOLUTION NO. R2023-_____

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, MAKING CERTAIN FINDINGS AND DESIGNATING THE REAL PROPERTY LOCATED AT 8760 ATLANTIC AVENUE, WITHIN UNINCORPORATED PALM BEACH COUNTY, FLORIDA 33446, FURTHER IDENTIFIED BY PARCEL CONTROL NUMBER 00-42-46-20-01-000-0130, AS A BROWNFIELD AREA PURSUANT TO SECTION 376.80(2)(c), FLORIDA STATUTES, WHICH SHALL HEREAFTER BE KNOWN AS THE FORMER SOUTHERN CROP SERVICES GREEN REUSE AREA, FOR THE PURPOSE OF REHABILITATION, JOB CREATION AND PROMOTING ECONOMIC DEVELOPMENT; PROVIDING FOR AN EFFECTIVE DATE; AND, FOR OTHER PURPOSES.

WHEREAS, the State of Florida has provided in §97-277, Laws of Florida, codified as the Brownfields Redevelopment Act, §376-77 - §376.86, *Florida Statutes* (the "Act"), for designation of a "Brownfield Area" by resolution of the local governing body at the request of the person who owns or controls the real estate parcel, to provide for environmental remediation and redevelopment, and promote economic development and revitalization generally; and

WHEREAS, PEBB Atlantic II, LLC & Socro, LLC (PEBB & Socro), controls the parcel of real property located at 8760 Atlantic Avenue, Palm Beach County, Florida, as depicted and more particularly described in Exhibit A, and intends to develop the subject property as a commercial development including Retail, Multi Access and Limited Access Self Service Storage, and a car wash ; and

WHEREAS, PEBB & Socro has requested the Board of County Commissioners of Palm Beach County, Florida designate the site as a "Brownfield Area" pursuant to §376.80(2)(c), *Florida Statutes*; and

WHEREAS, PEBB & Socro has provided information, and made sufficient representations and demonstrations to allow the Board of County Commissioners to make the findings required pursuant to §376.80(2)(c), *Florida Statutes*; and

WHEREAS, proper notice has been provided in accordance with §376.80(2)(c)(4) and §376.80(1)(c)(4)(b), *Florida Statutes*; and

WHEREAS, such designation shall not render the County liable for costs or site remediation, rehabilitation or source removal, which terms are defined in §376.79 (19) and (20), *Florida Statutes*, or for any other costs related to the redevelopment of the site.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, THAT;

1. The Board of County Commissioners finds that PEBB & Socro has presented sufficient information and testimony to satisfy the criteria set forth in §376.80(2)(c), *Florida Statutes*, and the Board of County Commissioners hereby makes all of the following findings:
 - a. PEBB & Socro controls the site and has agreed to rehabilitate and redevelop the site.
 - b. The rehabilitation and redevelopment of the site will result in economic productivity of the area, along with the creation of at least five new permanent full-time jobs.
 - c. The redevelopment of the site is consistent with the County's Comprehensive Plan, and is permissible under Palm Beach County's Unified Land Development Zoning Code.

- d. PEBB & Socro has provided notice of the proposed rehabilitation of the site to neighbors and nearby residents, and has provided those receiving notice, the opportunity to provide comments and suggestions regarding the rehabilitation.
 - e. PEBB & Socro has provided reasonable assurance that they have sufficient financial resources to complete the rehabilitation and redevelopment of the site.
2. The Board of County Commissioners hereby designates 8760 Atlantic Avenue, Palm Beach County, Florida 33446, as depicted and more particularly described in Exhibit A attached hereto, as a "Brownfield Area" for purposes of the Brownfields Redevelopment Act, §376.77 – 376.86, *Florida Statutes*.
 3. The Department of Housing and Economic Development shall, within thirty (30) days of adoption of this Resolution, cause a notice of this designation, along with a copy of this Resolution, to be provided to the Florida Department of Environmental Protection and any local pollution control program under s. 403.182
 4. That this Resolution shall take effect upon adoption.

Commissioner _____ moved for the approval of the Resolution.

The motion was seconded by Commissioner _____, and being put to vote, the vote was as follows:

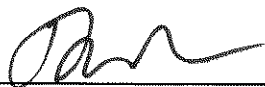
Commissioner Gregg K. Weiss, Mayor	- _____
Commissioner Maria Sachs, Vice Mayor	- _____
Commissioner Maria G. Marino, District 1	- _____
Commissioner Michael A. Barnett, District 3	- _____
Commissioner Marci Woodward, District 4	- _____
Commissioner Sara Baxter, District 6	- _____
Commissioner Mack Bernard, District 7	- _____

The Mayor thereupon declared that the Resolution was duly passed and adopted on _____ 2023.

**PALM BEACH COUNTY, FLORIDA, BY ITS
BOARD OF COUNTY COMMISSIONERS**

**APPROVED AS TO FORM AND
LEGAL SUFFICIENCY**

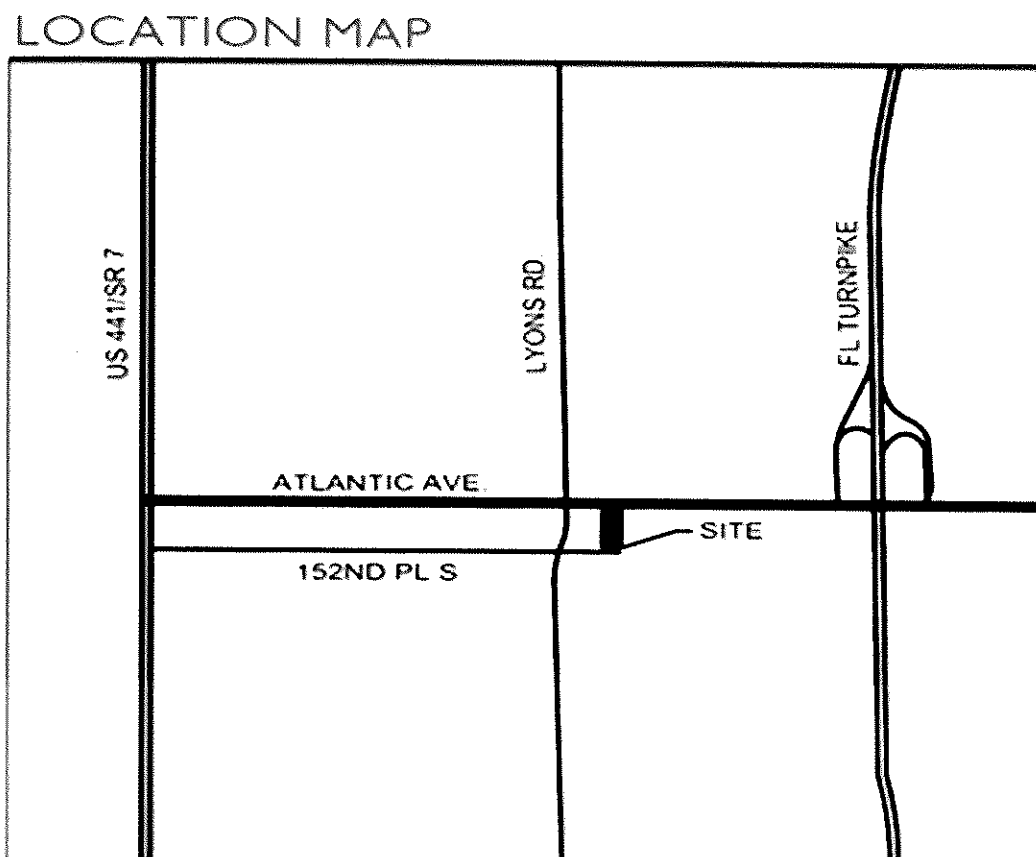
**JOSEPH ABRUZZO
CLERK & COMPTROLLER**

By:  _____
David Behar
Assistant County Attorney

By: _____
Deputy Clerk

Exhibit A

Location Map and Legal Description



TRACT 13, LESS THE NORTH 52.49 FEET FOR THE RIGHT-OF-WAY OF THE LAKE WORTH DRAINAGE DISTRICT L-34 CANAL, AND TRACT 20, IN SECTION 20, TOWNSHIP 46 SOUTH, RANGE 42 EAST, OF THE PALM BEACH FARMS CO. PLAT NO. 1, ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 2, PAGE 26, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

SAID LANDS SITUATE IN SECTION 20, TOWNSHIP 46 SOUTH, RANGE 42 EAST, PALM BEACH COUNTY, FLORIDA.

CONTAINING 430,813 SQUARE FEET/9.8901 ACRES, MORE OR LESS

PALM BEACH COUNTY
DEPARTMENT OF HOUSING AND ECONOMIC DEVELOPMENT
SPECIAL PROJECTS



Application for Brownfields Designation – Staff Report

BCC Public Hearing –First Public Hearing, June 13, 2023

I. General

Project Name:	Former Southern Crop Services Green Reuse Area
Request:	Brownfield Area Designation
Location:	South side of Atlantic Avenue, approximately 783 feet east of Lyons Road
Address:	8760 Atlantic Avenue (unincorporated Palm Beach County)
Acres:	9.89
Applicant/Owner:	PEBB Atlantic II, LLC & SOCRO LLC
Agent:	Brett Brumund, The Goldstein Environmental Law Firm, P.A.
Telephone No.:	(305) 640-5300
Project Manager:	Alan Chin Lee, Manager, Special Projects Scott Cirino, MPA, Senior Planner

Motion and Title: A Resolution of the Board of County Commissioners (BCC) of Palm Beach County, Florida, making certain findings and designating the real property located at 8760 Atlantic Avenue within unincorporated Palm Beach County, Florida 33446, further identified by Property Control Number 00-42-46-20-01-000-0130 (the "Subject Property") as a Brownfield Area pursuant to Section §376.80(2)(c), *Florida Statutes*, to be known as the Former Southern Crop Services Green Reuse Area, for the purpose of rehabilitation, job creation and promoting economic development; providing for an effective date; and, for other purposes.

Staff Recommendation: The Department of Housing and Economic Development (HED) recommends a motion to adopt.

Hearing History: On April 18, 2023, the BCC approved two (2) motions to allow for a Brownfield Area designation of the Subject Property: 1) A waiver of the statutory requirement that one of two public hearings be held after 5:00 p.m.; and, 2) The advertising of public hearings on Tuesday, June 13, 2023 at 9:30 a.m., and Tuesday, July 11, 2023 at 9:30 a.m.

II. Background

The Florida Brownfields Redevelopment Act, Sections §376.77-376.86, *Florida Statutes*, were adopted by the Florida Legislature in 1997 to provide incentives for local governments and individuals to voluntarily clean up and redevelop Brownfield Areas. Participation in the Florida Brownfields Program (FBP) encourages environmental cleanup, protection of public health, reuse of infrastructure and job creation. Local governments play a key role in the Brownfields program. In accordance with §376.80(1)(b)2, *Florida Statutes*, adoption of a resolution designating a Brownfield Area at the request of any person other than a governmental entity requires two public hearings.

Approval of a Brownfield Area designation will not render the County liable for costs or site remediation, rehabilitation or removal of contamination. Financial and regulatory incentives become available when a local government designates a Brownfield Area by resolution. These incentives enable local governments and state agencies to partner with and/or encourage the private sector to rehabilitate contaminated properties to reduce public health and environmental hazards on sites that are abandoned or underused due to these hazards, create jobs and promote sustainable reuse of properties within designated Brownfield Areas. A "Brownfield Area" is defined by statute as "...a contiguous area of one of more Brownfield sites, some of which may not be contaminated, and which has been designated by a local government by resolution." A "Brownfield site" is defined by statute as "...real property, the expansion, redevelopment or reuse of which may be complicated by actual or perceived environmental contamination."

For additional information on the FBP, see the Florida Department of Environmental Protection (FDEP) Brownfields Program webpage at <https://floridadep.gov/waste/waste-cleanup/content/brownfields-program>.

On February 2, 2023, PEBB Atlantic II, LLC & Socro LLC ("PEBB & Socro") submitted an application to HED to designate the Subject Property as a Brownfield Area. The Applicant indicates that the Subject Property was formerly operated as an airport for crop-dusting

operations from the late 1940's until 1992, and is impacted by discharges of contaminants in soil including Dieldrin, Toxaphene, and Cooper and in groundwater by alpha-BHC, beta-BHC, and Dieldrin.

PEBB & Socro plan to develop the Subject Property as a commercial development. The rezoning of the 9.89 acre site was approved by the Board of County Commissioners at the November 28, 2022 BCC Zoning Hearing via Resolution R-2022-1420, concurrent with a future land use amendment (SCA-2022-032), to allow for the development of 107,800 square feet of commercial uses including Retail, Multi Access and Limited Access Self Service Storage, and a car wash.

The approved Preliminary Site Plan indicates: four one-story buildings comprised of one Retail building, two Self-Storage buildings, and a car wash facility. Prior to redevelopment, PEBB Atlantic II and Socro, LLC is seeking a "Brownfield Area" designation under Florida's Brownfields Redevelopment Act.

Additional Site Data

PCN(s)	00-42-46-20-01-000-0130
Future Land Use:	Commercial Low with an Underlying Agricultural Reserve (CL/AGR)
Zoning:	Multiple Use Planned Development (MUPD)
Planning Study Area:	N/A
Neighborhood Plan:	N/A
CCRT Area:	N/A
Comm. District	Commissioner Maria Sachs , District 5

Since 1997, the FBP has made a wide array of financial, regulatory, and technical incentives available to local governments, businesses, and communities to catalyze environmental cleanup and economic redevelopment of marginalized or otherwise underutilized properties. In doing so, the FBP has encouraged confidence in neighborhood revitalization and investment of private capital in land reuse and job creation in hundreds of communities throughout Florida. According to figures provided by FDEP, as of April 14 2023, 550 brownfield areas covering nearly 292,099.10 acres have been designated as brownfields, generating over \$3.463 billion in private capital investment, and contributing to the creation of more than 89,567 confirmed and/or projected direct and indirect jobs. Brownfield areas have enjoyed a wide range of redevelopment uses, including affordable housing, workforce housing, community health clinics, retail and commercial, renewable energy, transportation facilities, and conservation and recreation.

In accordance with §376.80(1)(c)1, *Florida Statutes*, within 30-days of adoption of a Brownfield Area resolution, HED is required to notify and provide a copy of the resolution to the FDEP, and the Palm Beach County Department of Environmental Resource Management, as the local pollution control program under §403.182, *Florida Statutes*.

If approved, the Applicant will be required to enter into a Brownfield Site Rehabilitation Agreement (BSRA) with FDEP. A BSRA typically includes, but is not limited to:

- a rehabilitation schedule;
- commitment to conduct site rehabilitation under the observation of professional engineers and geologists, in accordance with FDEP quality assurance rules, and state, federal and local laws and the brownfield site contamination criteria, including any applicable requirements for risk based corrective action;
- timeframes for FDEP review of technical reports and plans;
- commitment to secure site access for FDEP and the local pollution control program; and,
- other requirements outlined under §376.80(5), *Florida Statutes*.

III. Staff Analysis

Per §376.80, *Florida Statutes*, prior to approval of a resolution for a Brownfield Area designation proposed by persons other than a government entity, the County must confirm that the applicant has established the following five (5) criteria:

1. Agreement to Redevelop the Brownfield Site. As the first requirement for designation, §376.80(2)(c)1, *Florida Statutes*, provides that *"A person who owns or controls a potential Brownfield Site is requesting the designation and has agreed to rehabilitate and redevelop the brownfield site."*

The Applicant, PEBB Atlantic II, LLC & Socro LLC, satisfies the first criterion in that it has made a showing that it controls the Subject Property and agrees to redevelop and rehabilitate it. The applicant has documented ownership of the Subject Property with Warranty Deeds. Also, as previously noted, on November 28, 2022, the BCC approved the Applicant's concurrent Planning and Zoning applications for commercial development of the Subject Property. For the reasons discussed herein, the Applicant meets the first criterion.

2. Economic Productivity. As the second requirement for designation, §376.80(2)(c)2, *Florida Statutes*, provides that *"The rehabilitation and redevelopment of the proposed brownfield site will result in economic productivity of the area, along with the creation of at least 5 new permanent jobs at the brownfield site that are full-time equivalent positions not associated with the implementation of the rehabilitation agreement and are not associated with redevelopment project demolition or construction activities pursuant to the redevelopment of the proposed brownfield site or area...."*

PEBB & Socro satisfies the second criterion because it has sufficiently demonstrated that the rehabilitation and redevelopment will result in economic productivity in the area, comprised of approximately thirty jobs within the retail, carwash and self-storage facility. This exceeds the minimum job creation threshold of five jobs. Revenue to local government will include an increase in ad valorem taxes, and the surrounding community will benefit from the economic impact associated with construction workers, future residents and jobs. The construction workers, future tenants and permanent employees will spend a percentage of their salaries with local merchants who, in turn, will reinvest locally in their respective businesses, as well as the businesses of other local merchants. Such job creation will result in the payment of significant payroll taxes and salaries, thereby benefitting the local economy and increasing the economic productivity in the area. Accordingly, the Applicant meets this second criterion.

3. Consistency with Local Comprehensive Plan and Permittable Use Under Local Land Development Regulations. As the third requirement for designation, §376.80(2)(c)3, *Florida Statutes* provides that *"The redevelopment of the proposed brownfield site is consistent with the local comprehensive plan and is a permittable use under the applicable local land development regulations."*

As previously noted, PEBB & Socro satisfies this criterion with the recent November 28, 2022 BCC approval of concurrent future use atlas amendment and rezoning. The proposed 9.89 acre commercial development is permitted under the approved Multiple Use Planned Development (MUPD) Zoning District (Resolution R-2022-1419), which is consistent with the Commercial Low with an underlying Agricultural Reserve (CL/AGR) future land use designation (Ord. 2022-032). Planning Division comments included in the November 28, 2022 Zoning Staff report states *"Should the BCC approve the amendment request, then the proposed use or amendment is consistent with the Goals, Objectives and Policies of the Comprehensive Plan"*. Accordingly, the Applicant meets this third criterion.

4. Public Notice and Comment. As the fourth requirement for designation, §376.80(2)(c)4, *Florida Statutes*, stipulates that *"Notice of the proposed rehabilitation of the brownfield area has been provided to neighbors and nearby residents of the proposed area to be designated, and the person proposing the area for designation has afforded to those receiving notice the opportunity for comments and suggestions about rehabilitation. Notice pursuant to this subsection must be posted in the affected area."*

PEBB & Socro has demonstrated satisfaction of the fourth criterion by providing proof of posting notice at the Subject Property, and publishing notice in the Palm Beach Post. The notices advised that the Applicant would conduct a public meeting at the Palm Beach County Hagen Ranch Road Branch Library at 14350 Hagen Ranch Rd, Delray Beach, FL 33446, on Tuesday, April 18, 2023, to afford an opportunity for members of the public to provide comments and suggestions regarding Brownfield Area designation,

development, and rehabilitation of the Subject Property. The notices provided the Agent phone or mail contacts to obtain additional information regarding the community meeting or to provide comments or suggestions before or after the community meeting. The notice also provided Alan Chin Lee, the County Brownfield Program Manager, contact information for additional inquiries regarding the designation process.

In addition, HED Staff attended the Tuesday, April 18, 2023, public meeting coordinated by PEBB & Socro. Brett Brumund, Esq., of The Goldstein Environmental Law Firm, P.A., who represents the Applicant PEBB & Socro, attended the public meeting to provide printed informational handouts and power point presentation discussing the environmental conditions and proposed site rehabilitation. However, no community members or other interest parties attended the public meeting, and as of this writing, no inquiries have been made of HED Staff regarding the Brownfield designation process.

For the reasons discussed herein, the Applicant satisfies the fourth criterion.

5. Reasonable Financial Assurance. As the fifth requirement for designation, §376.80(2)(c)5, *Florida Statutes*, provides that *"The person proposing the area for designation has provided reasonable assurances that he or she has sufficient financial resources to implement and complete the rehabilitation agreement and redevelopment plan."*

According to the Applicant, the total capital budget of \$22 million for the Project is to be fully funded through the financial resources of Pebb and Socro's principals, Pebb Enterprises and Banyan Development. Pebb Enterprises is a private-equity real estate company with over forty years of acquisition and development experience in South Florida. Pebb Enterprises operates a diverse commercial portfolio across the United State of over 2 million square feet. Additionally, Banyan Development is a real estate development company with extensive experience in various markets across the United States and over forty years of experience in the Florida Market Place. Banyan development boasts a portfolio of over three million square feet of retail, office, industrial and residential real estate and is currently in development of several retail center in Florida, as well as office, self-storage and mixed-use projects.

Accordingly, the success of previous projects, the magnitude of the capital previously raised, the quality of the development previously achieved, and the resources of its principals provide reasonable assurances that Pebb and Socro have sufficient financial resources to implement and complete the rehabilitation agreement and redevelopment plan. PEBB & Socro therefore satisfies the fifth criterion

IV. Fiscal Impact Analysis

A Brownfield Area designation shall not render Palm Beach County liable for costs or site remediation, rehabilitation, and economic development or source removal, which terms are defined in Section 376.79(19) and (20), *Florida Statutes*, or for any other costs, above and beyond the costs attributed to the adoption of the Resolution. Accordingly, adoption of staff's recommendation to approve the designation request will not have any adverse impact on the County's operations.

V. Conclusions and Recommendations

Based on the foregoing, the Board of County Commissioners should designate the 9.89 acre area located at 8760 Atlantic Avenue (PCN's 00-42-46-20-01-000-0130) as a Brownfields Area (see Exhibits A and B), to be referred to as the **Former Southern Crop Services Green Reuse Area,** in accordance with Florida's Brownfields Redevelopment Act.

VI. Exhibits

- A. Site Map
- B. Legal Description

Exhibit A

Location Map
Former Southern Crop Services Green Reuse Area

LOCATION MAP

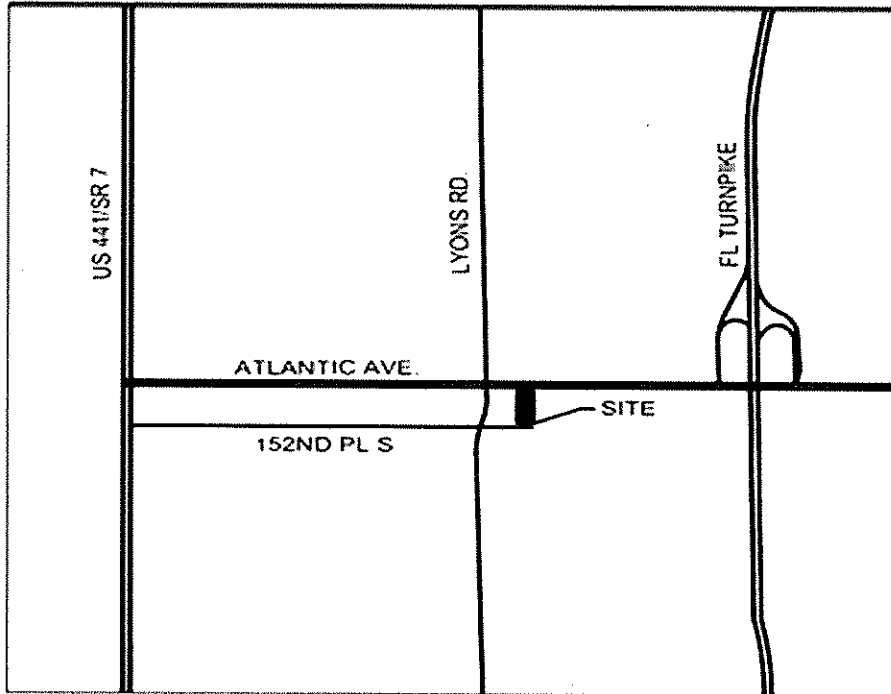


Exhibit B

**Legal Description
Former Southern Crop Services Green Reuse Area**

TRACT 13, LESS THE NORTH 52.49 FEET FOR THE RIGHT-OF-WAY OF THE LAKE WORTH DRAINAGE DISTRICT L-34 CANAL, AND TRACT 20, IN SECTION 20, TOWNSHIP 46 SOUTH, RANGE 42 EAST, OF THE PALM BEACH FARMS CO. PLAT NO. 1, ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 2, PAGE 26, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

SAID LANDS SITUATE IN SECTION 20, TOWNSHIP 46 SOUTH, RANGE 42 EAST, PALM BEACH COUNTY, FLORIDA.

CONTAINING 430,813 SQUARE FEET/9.8901 ACRES, MORE OR LESS.

THE GOLDSTEIN ENVIRONMENTAL LAW FIRM, P.A.
Brownfields, Transactions, Due Diligence, Development, Permitting, Cleanups & Compliance

2100 Ponce de Leon Boulevard, Suite 710
Coral Gables, Florida 33134
Telephone: (305) 777-1680
www.goldsteinenvlaw.com

Brett C. Brumund, Esq.
Direct Dial: (305) 640-5300
Email: bbrumund@goldsteinenvlaw.com

Via Email Only

January 13, 2023

Mr. Jonathan Brown, Director
Housing and Economic Development
Palm Beach County
100 Australian Avenue, 5th Floor
West Palm Beach, FL 33406

**Re: Application for Designation of the Former Southern Crop Services Site as a
Brownfield Area by Palm Beach County Pursuant to § 376.80(2)(c), Florida
Statutes**

Dear Mr. Brown:

On behalf of Pebb Atlantic II, LLC and Socro, LLC (together, "Pebb and Socro"), we are pleased to submit the enclosure Application for Brownfield Area Designation of the property located at 8760 Atlantic Avenue, Delray Beach, Palm Beach County, Florida 33446; Parcel Number 00-42-46-20-01-000-0130 (the "Subject Property") pursuant to Chapter 376.80(2)(c), Florida Statutes, of Florida's Brownfields Redevelopment Act. When fully redeveloped, the Subject Property will consist of retail buildings, a self-storage facility, and an environmentally friendly closed system car wash. A legal description and property cards depicting the location of the Subject Property are enclosed at Exhibit A.

Pebb and Socro are applying for this designation due to the manner in which the Subject Property's extensive environmental history has significantly complicated redevelopment. Soil and groundwater contamination remaining from the Subject Property's historical use as a base for crop dusting operations has resulted in engineering, financing, construction, and liability challenges that Pebb and Socro must overcome to proceed with their redevelopment plans. Accordingly, the requested designation, if granted, will allow Pebb and Socro to access limited but important state-based economic incentives to help underwrite the costs associated with managing the environmental risk as well as, generally, to put the project on more certain financial ground. In this sense, the designation will not only play a critical role in the successful redevelopment of the Subject Property, but also in the larger revitalization efforts for this area of Palm Beach County.

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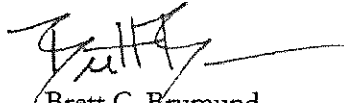
— ATTACHMENT 3 —

Mr. Jonathan Brown, Director
January 13, 2023
Page 2

In considering this request for designation, a local government must evaluate and apply the criteria set forth in Chapter 376.80(2)(c), Florida Statutes. As reflected in Palm Beach County's Application for Brownfields Designation, incorporated herein at Exhibit B, which is supplemented by the Statement of Eligibility incorporated herein at Exhibit C, Pebb and Socro will meet such statutory criteria following adoption of a land use amendment before the end of this year. Accordingly, based on the foregoing, we respectfully request that staff favorably review this request and recommend it for approval to the Palm Beach County Board of County Commissioners. Of course, as you evaluate the application and supporting materials, please feel free to contact us should you have any questions or require further information. Thank you.

Very truly yours,

THE GOLDSTEIN ENVIRONMENTAL LAW FIRM, P.A.


Brett C. Brumund
/bcb

Enclosures

cc: Mr. Alan Chin Lee, Department of Housing and Economic Sustainability

Exhibit A

{00011414.DOCX.1}

Location Address 8760 ATLANTIC AVE
Municipality UNINCORPORATED
Parcel Control Number 00-42-46-20-01-000-0130
Subdivision PALM BEACH FARMS CO PL 1 SUB IN PB 2 PGS 26 TO 28 INC
Official Records Book 32041 **Page**1111
Sale Date DEC-2020
Legal Description PALM BEACH FARMS CO PL 1 TR 13 (LESS N 52.49 FT L-34 CNL R/W) & TR 20 IN SEC 20

Owners
 PEBB ATLANTIC II LLC &
 SOCRO LLC

Mailing address
 7900 GLADES RD STE 600
 BOCA RATON FL 33434 4105

Sales Date	Price	OR Book/Page	Sale Type	Owner
DEC-2020	\$2,100,000	32041 / 01111	WARRANTY DEED	PEBB ATLANTIC II LLC &
DEC-1996	\$130,500	09555 / 01927	TAX DEED	US LANDVEST CORP
JAN-1989	\$100	05938 / 01322	QUIT CLAIM	
SEP-1987	\$100	05460 / 00713	QUIT CLAIM	

No Exemption Information Available.

Number of Units 0 ***Total Square Feet** 0 **Acres** 9.6259
Use Code 8205 - TRANSFER DEVELOPMENT RIGHTS
Zoning AGR-PUD - Agricultural Reserve PUD (00-UNINCORPORATED)

Tax Year	2022	2021	2020
Improvement Value	\$0	\$0	\$0
Land Value	\$4,091,008	\$2,165,828	\$0
Total Market Value	\$4,091,008	\$2,000,000	\$116,800

All values are as of January 1st each year

Tax Year	2022	2021	2020
Assessed Value	\$2,200,000	\$2,000,000	\$116,800
Exemption Amount	\$0	\$0	\$0
Taxable Value	\$2,200,000	\$2,000,000	\$116,800

Tax Year	2022	2021	2020
Ad Valorem	\$49,371	\$34,738	\$2,049
Non Ad Valorem	\$495	\$495	\$743
Total tax	\$49,866	\$35,233	\$2,792

EXHIBIT "A"

Tract 19, LESS the North 52.49 feet, and Tract 20, in Section 20, Township 46 South, Range 42 East, of The Palm Beach Farms Co. Plat No. 1, according to the map or plat thereof, as recorded in Plat Book 2, Page 26, Public Records of Palm Beach County, Florida.

This is not a certified copy

Exhibit B

{00011414.DOCX.1}



**Palm Beach County
Brownfields Designation Process
&
Application for Brownfields Designation**

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BROWNFIELDS DESIGNATION

Brownfields Pre-Application Meeting

The Brownfields Project Sponsor shall meet with or coordinate by telephone and email with County staff and other brownfields interested agencies to discuss the Brownfields Designation Project Application.

Application for Brownfield Designation

The County will provide assistance to a Brownfields Project Sponsor who completes a Brownfields Designation Project Application (attached) identifying the project site, the scope of the proposed brownfields project, and site/project information. At the time of application submittal, all Brownfields Designation applicants shall pay a processing fee of \$7,000.00, which is deemed non-fundable except in extraordinary circumstances, as determined by staff.

Documentation Requirements for Brownfield Site Designation

The following documentation shall be required to qualify for designation as a brownfield site:

- 1. Project application documentation which includes, at a minimum, the following:**
 - A completed Application for Brownfield Designation, including, but not limited to:
 - Letter from the Palm Beach County Zoning Division stating that the proposed project is permitted as an allowable use consistent with the zoning on the subject brownfields site.
 - Letter from the Palm Beach County Planning Division stating that the proposed project is permitted as an allowable use consistent with Comprehensive Plan and land use designation on the subject brownfields site.
 - A reasonable assurance statement that sufficient resources are available to the applicant to implement and complete a rehabilitation and redevelopment plan.

- 2. Documentation of public notice**

The Brownfields Project Sponsor must meet the requirements of the Florida Brownfields Redevelopment Act regarding public notification. Specifically, notice of the proposed rehabilitation of the brownfields area must be made in a newspaper of general circulation in the area and notice must be posted in the affected area located proximate to the brownfields site. The phone number of the County's Brownfield Project Manager shall be included in the notifications so that interested parties may provide comment to the County on the proposed application. Said notifications shall be posted within 5 working days from the notification that the Brownfields Site Application has been deemed sufficient and project sponsor/applicant has been notified of such by Palm Beach County. A

copy of the newspaper advertisement and a photo of the posted notification(s) shall be provided to the County by the applicant.

3. Staff report with recommendation

County staff will review the Brownfields Project Sponsor's Application and consult with any Federal, State and local agencies as to any brownfields requirements, which may be part of the approval of the Brownfields Project. Upon establishing that the Brownfields Project Sponsor has an application with sufficient information required to qualify for a brownfields designation, County staff will schedule an agenda item with the Board of County Commissioners and prepare a staff report with its recommendation of the Brownfields Project Sponsor's Application. The agenda item shall be submitted for internal County review within 30 days of the determination of application sufficiency. Public hearing dates are typically 2 months following internal County review date.

Resolution by the Palm Beach County Board of County Commissioners

At the public hearing consideration of the Brownfields Designation request, the Palm Beach County Board of County Commissioners may pass a resolution designating the proposed site a Brownfields site under the Florida Brownfields Redevelopment Act.

Filings with Federal and State Agencies

Board actions for a brownfields designation under the Florida Brownfields Redevelopment Act shall be filed with the Florida Department of Environmental Protection in compliance with the Florida Brownfields Redevelopment Act.

Brownfields Site Rehabilitation Agreement

The designation of a brownfield area by the County entitles the applicant to negotiate a Brownfields Site Rehabilitation Agreement (BSRA) with the Florida Department of Environmental Protection or an approved local pollution control program. The specific requirements of the agreement are outlined in s. 376.80(5) Florida Statutes and s. 62-785 Florida Administrative Code.

PALM BEACH COUNTY APPLICATION FOR BROWNFIELDS DESIGNATION

Complete this form to request designation by Palm Beach County as a brownfields site or area. It is important to complete all applicable sections and attach all necessary information. It is required that a Brownfields Pre-Application Meeting be held before submitting this application. If you have any questions concerning completion of this application or wish to schedule a Pre-Application Meeting, please call (561) 233-3674 and ask to speak to the Brownfields Project Manager.

Property Information

Property Name: Former Southern Crop Services Green Reuse Area

Address: 8760 Atlantic Avenue

City: Delray Beach State: FL Zip Code: 33446

Property Size (acres/square feet): 9.89 acres

Parcel Number(s): 00-42-46-20-01-000-0130

Attach a location map and a current aerial with the property delineated.

Property Description

Briefly describe property (vacant land, unoccupied, etc.): Vacant Land

Zoning: MUPD Future Land Use Designation: CL/AGR

Attach Future Land Use map and Zoning map with the property delineated on each.

Is property located within one or more of the following? (check all that apply)

Community Redevelopment Area

US EPA Assessment Grant Area

Existing Designated Brownfield Area

Is the property located within one-half mile of an existing major street? Yes No

Does the property have public street access? Yes No

Are there existing public water and sewer distribution lines? Yes No

Is the property located outside a floodplain area? Yes No

Describe all outstanding property taxes/liens due on the property: N/A

Applicant Information

Name: PEBB Atlantic II, LLC and Socro, LLC

Address: 7900 Glades Road, Suite 600

City: Boca Raton State: FL Zip Code: 33434

Phone: (305) 640-5300 Fax: _____ E-Mail: bbrumund@goldsteinenvlaw.com

Interest in Property: Owner

Current Property Owner Information (if different from Applicant Information)

Name: Same as Applicant

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____ E-Mail: _____

Legal Status of the Current Property Owner(s):

____ Individual/Sole Proprietorship ____ General Partnership ____ State

X Limited Liability Co. ____ Limited Partnership FL State

____ Florida Corporation

Environmental Status

Provide a brief description of the nature and geographical extent of contamination by hazardous substances and/or pollutants if known: _____

Property is impacted by toxaphene, dichlorodiphenyltrichloroethane (DDT),
dichlorodiphenyldichloroethane (DDD), parathion, arsenic, zinc, and copper in soils and
shallow groundwater

Provide a brief description of any previous or current remedial action:
The Florida Department of Environmental Protection ("FDEP") conducted extensive site assessment activities at the property and at neighboring properties with common historical uses. Limited soil excavation and source removal took place with FDEP funding, however additional contaminated soil excavation and/or installation of FDEP-approved engineering controls will be performed by the Applicants.

If remediation is needed will you agree to enter into a Brownfields Site Rehabilitation Agreement with the Florida Department of Environmental Protection (or authorized designee)? X Yes No

Attach Phase I or Phase II Environmental Reports, if available.

Development Plan

General Description of Redevelopment Plans: The Subject Property will be redeveloped with a retail building, self storage and a closed system car wash.

Attach further illustrative or graphic information, as appropriate.

How many new permanent full-time or part-time jobs will the project create after remediation? 30

Financial Resources

Reasonable assurances must be provided by the applicant that sufficient financial resources are available to the applicant to implement and complete a rehabilitation agreement and redevelopment plan. Attach a statement, as well as any other appropriate information, outlining the financial resources available to the applicant for rehabilitation and redevelopment. This statement can include financial resources the applicant anticipates to obtain (private loans, equity and assistance) through designation as a brownfields site. In short, describe your general financial plan for your project.

Please see Green Reuse Area Designation Eligibility Statement

Services to be Provided

Applicants are required to have a Pre-Application meeting either in person or via telephone conference call. Have you had a Brownfields Pre-Application Meeting? Yes X No

- If "No", please call (561) 233-3674 to schedule a Pre-Application meeting.

In order to better assist you, please check the type of designation you are requesting and the type of assistance/incentives you are seeking through this designation (check all that apply):

Type of Designation: X Area (several parcels) _____ Site (single parcel)

Type of Assistance/Incentives:

_____ Technical Assistance (aide in obtaining grants, loans, etc.)

_____ Loans (remediation loan funds via the County's EPA Revolving Loan Fund)

X Tax Credits/Exemptions due to Brownfield Site Designation

_____ Job Creation Credits due to Brownfield Site Designation

_____ Job Training Grants due to Brownfield Site Designation

_____ Other (explain) _____

What are your goals with respect to the property (i.e., sale, redevelopment, business expansion, etc.)? Redevelopment

Attachments Checklist

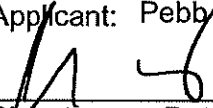
- X Location map and current aerial with the property delineated
- X Phase I and/or Phase II Environmental Report(s), if available
- X Further Development Plan-related illustrative or graphic information
- X Statement and any other appropriate information outlining the financial resources available to the applicant for rehabilitation and redevelopment.
- _____ Zoning Verification Letter from the Palm Beach County Zoning Division stating that the proposed brownfields site is consistent with the County' Comprehensive Plan
- _____ PBC Planning Division letter stating that the proposed brownfields site is consistent with the County's Comprehensive Plan

All applicants for Brownfields designation shall pay a non-refundable filing fee(s).

SIGNATURE PAGE

The contents of this application shall be considered public records of the County. The undersigned affirms that the information contained in this application is true and accurate.

Applicant: Pebb Atlantic II, LLC

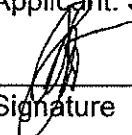
 08/18/2022

Signature Date

Ian Weiner

Print/Type Name

Applicant: Socro, LLC

 8/18/22

Signature Date

Jason Sher

Print/Type Name

FOR OFFICE USE ONLY

Application Received By: _____ Date: _____

Application Completeness Review By: _____

_____ Application Complete

_____ Application Incomplete (Specify reason(s)): _____

Applicant Contacted on: _____

Date Information Received to Complete Application (If Applicable): _____

Signature of Reviewer: _____ Date: _____

BCC Public Hearing Date for Designation of Brownfields Site: _____

Exhibit C

{00011414.DOCX.1}

Green Reuse Area Designation Eligibility Statement

Former Southern Crop Services Green Reuse Area
8760 Atlantic Avenue, Delray Beach, Palm Beach County, Florida 33446
Parcel Number 00-42-46-20-01-000-0130

Pebb Atlantic II, LLC and Socro, LLC (together, "Pebb and Socro") propose to redevelop and rehabilitate a parcel of land located at 8760 Atlantic Avenue, Delray Beach, Florida 33446, Parcel Number 00-42-46-20-01-000-0130 (the "Subject Property"), as a commercial development. When fully redeveloped, the development will consist of retail buildings, a self-storage facility, and a closed system car wash (the "Project").¹ As demonstrated herein, the Project meets all five of the applicable brownfield area designation criteria set forth at Section 376.80(2)(c), Florida Statutes.² In addition, the Subject Property meets the definition of a "brownfield site" pursuant to Section 376.79(4), Florida Statutes.

I. Subject Property Satisfies the Statutory Criteria for Designation

1. Agreement to Redevelop the Brownfield Site. As the first requirement for designation, Florida Statutes § 376.80(2)(c)(1) provides that "[a] person who owns or controls a potential brownfield site is requesting the designation and has agreed to rehabilitate and redevelop the brownfield site."

Pebb and Socro satisfy this criterion in that they currently control the Subject Property by virtue of a Warranty Deed, dated December 17, 2020, and have agreed to redevelop and rehabilitate the Subject Property.³ Accordingly, Pebb and Socro meet this first criterion.

2. Economic Productivity. As the second requirement for designation, Florida Statutes § 376.80(2)(c)(2) provides that "[t]he rehabilitation and redevelopment of the proposed brownfield site will result in economic productivity of the area, along with the creation of at least 5 new permanent jobs at the brownfield site that are full-time equivalent positions not associated with the implementation of the rehabilitation agreement or an agreement and that are not associated with redevelopment project demolition or construction activities pursuant to the redevelopment of the proposed brownfield site or area. However, the job creation requirement shall not apply to the rehabilitation and redevelopment of a brownfield site that will provide affordable housing as defined in s. 420.0004 or the creation of recreational areas, conservation areas, or parks."

Pebb and Socro satisfy this criterion in that, when full developed, the Project will create no less than 30 permanent jobs, which greatly exceeds the minimum job creation threshold. Additionally, the Project will result in significant economic productivity of the area. The budget for rehabilitation and redevelopment is approximately \$22 million, which will be spent in part on local labor, contractors, consultants, construction materials, furnishings, infrastructure improvements, and impact fees. This work will support approximately 250 permanent jobs over the period of development which includes temporary construction workers and materials suppliers. The construction workers will

¹ See Attachment A for the proposed site plan.

² A copy of § 376.80, Florida Statutes, can be found at Attachment B to this Eligibility Statement.

³ See Attachment C to this Eligibility Statement for the Warranty Deed.

spend a percentage of their salaries with local merchants who, in turn, will reinvest locally in their respective businesses, as well as the businesses of other local merchants. Accordingly, Pebb and Socro meet this second criterion.

3. Consistency with Local Comprehensive Plan and Permittable Use under Local Land Development Regulations. As the third requirement for designation, Florida Statutes § 376.80(2)(c)(3) provides that "[t]he redevelopment of the proposed brownfield site is consistent with the local comprehensive plan and is a permittable use under the applicable local land development regulations."

Pebb and Socro satisfy this criterion in that the Subject Property recently underwent a zoning change from Agricultural Reserve Planned Unit Development to Multiple Use Planned Development District ("MUPD") and a future land use amendment from Agricultural Reserve to Commercial Low, with an underlying Agricultural Reserve, effective as of January 9, 2023.⁴ According to Palm Beach County's Unified Land Development Code ("ULDC"), the MUPD District is intended to provide for the efficient use of land by the integration of multiple uses, or large single uses, within a unified development.⁵ Because the proposed redevelopment as designed will be consistent with the local plan as it will be amended and will be a permittable use under the proposed local land development regulations, Pebb and Socro meet the third criterion.

4. Public Notice and Comment. Florida Statutes § 376.80(2)(c)(4) stipulates that "[n]otice of the proposed rehabilitation of the brownfield area has been provided to neighbors and nearby residents of the proposed area to be designated, and the person proposing the area for designation has afforded to those receiving notice the opportunity for comments and suggestions about rehabilitation. Notice pursuant to this subsection must be posted in the affected area." Additional notice requirements pertaining to applicants other than a governmental entity can be found at Florida Statutes § 376.80(1)(c)(4)(b) and consist of publication in a newspaper of general circulation in the area, publication in ethnic newspapers or local community bulletins, and announcement at a scheduled meeting of the local governing body before the actual public hearing.

Pebb and Socro satisfy all applicable notice and opportunity to comment requirements established by Florida Statutes § 376.80(2)(c)(4) and § 376.80(1)(c)(4)(b) as follows:

- (i) a community meeting for purposes of affording interested parties the opportunity to provide comments and suggestions about the potential designation will be held as close as practicable to the Subject Property.*
- (ii) notice of the request to designate the Subject Property a Green Reuse Area and of the community meeting will be posted at the Subject Property;*
- (iii) notice of the request to designate the Subject Property a Green Reuse Area and of the community meeting will be published in the Palm Beach Post; and*
- (iv) notice of the request to designate the Subject Property a Green Reuse Area and of the community meeting has been published in the Palm Beach County community bulletin section of Craig's List.*

⁴ See Attachment D for the Public Hearing Results from the May 4, 2022, Board of County Commissioners Meeting, which indicate the zoning and land use changes requested for the Subject Property are approved for transmittal.

⁵ See Palm Beach Cty. Unified Land Dev. Code art. 3, ch. E, § 3 (2019).

All notices will contain the substantially the following narrative:

Representatives for Pebb Atlantic II, LLC and Socro, LLC will hold a community meeting, date to be announced, from 5:30 p.m. to 7:00 p.m. for the purpose of affording interested parties the opportunity to provide comments and suggestions about the potential designation of a parcel of land located at 8760 Atlantic Avenue, Delray Beach, Palm Beach County, Florida 33446, as a Brownfield Area. The designation is being made pursuant to Section 376.80, Florida Statutes, of Florida's Brownfield Redevelopment Act, and will involve two public hearings before the Palm Beach County Board of County Commissioners. The community meeting will also address future development and rehabilitation activities planned for the site.

The community meeting is free and open to all members of the public.

For more information regarding the community meeting, including directions, the dates of the two public hearings, or to provide comments and suggestions regarding designation, development, or rehabilitation at any time before or after the meeting date, please contact Palm Beach County Brownfield Program Manager, Alan Chin Lee by email at ACHinLee@pbcgov.org or Pebb and Socro's representative, Michael R. Goldstein, who can be reached by telephone at (305) 777-1682, U.S. Mail at The Goldstein Environmental Law Firm, P.A., 2100 Ponce de Leon Blvd., Suite 710, Coral Gables, FL 33134, and/or email at mgoldstein@goldsteinenvlaw.com.

Proof of publication or posting, as appropriate, will be provided to the County.

5. Reasonable Financial Assurance. As the fifth requirement for designation, Florida Statutes § 376.80(2)(c)(5) provides that "[t]he person proposing the area for designation has provided reasonable assurance that he or she has sufficient financial resources to implement and complete the rehabilitation agreement and redevelopment plan."

The total capital budget of \$22 million for the Project is to be fully funded through the financial resources of Pebb and Socro's principals, Pebb Enterprises and Banyan Development.⁶ Pebb Enterprises is a private-equity real estate company with over forty years of acquisition and development experience in South Florida. Pebb Enterprises operates a diverse commercial portfolio across the United State of over 2 million square feet. Additionally, Banyan Development is a real estate development company with extensive experience in various markets across the United States and over forty years of experience in the Florida Market Place. Banyan development boasts a portfolio of over 3 million square feet of retail, office, industrial and residential real estate and is currently in development of several retail center in Florida, as well as office, self-storage and mixed-use projects.

Accordingly, the success of previous projects, the magnitude of the capital previously raised, the quality of the development previously achieved, and the resources of its principals provide reasonable assurances that Pebb and Socro have sufficient financial resources to implement and complete the rehabilitation agreement and redevelopment plan. It therefore satisfies the fifth criterion.

⁶ See Attachment E for a letter from Pebb and Socro's financial advisor, CBIZ MHM, LLC providing reasonable assurances that Pebb and Socro have sufficient financial resources to complete the redevelopment and rehabilitation plan for the Subject Property.

II. Subject Property Meets the Definition of Brownfield Site

Section 376.79(4), Florida Statutes, defines “brownfield site” to mean “. . . real property, the expansion, redevelopment, or reuse of which may be complicated by actual or perceived environmental contamination.” The facts here clearly reflect that the Subject Property falls within the definition of the term “brownfield site” in that actual contamination is present in soils and groundwater on the Subject Property resulting from its historical use as an airplane base for aerial application of agricultural pesticides that has already significantly complicated redevelopment.⁷ Specifically, the Subject Property operated as an airport for crop-dusting operations from the late 1940s until 1992. This operation involved discharges of chemical rinsates from formulation mixing vats and aircraft spraying systems into a disposal lagoon that frequently overflowed, as well as directly onto the ground. In the 1980s, site assessment activities revealed contaminants in soil and groundwater including toxaphene, arsenic, DDT, DDD, parathion, heptachlor, cyanide, zinc, and copper. FDEP began cleanup of the Subject Property with assistance from the U.S. Environmental Protection Agency at significant public expense starting in 1987. State-funded cleanup continued sporadically over the next three decades as funding became available until 2018 when FDEP completed an additional round of contaminated soil excavation.⁸

Importantly, low level soil and groundwater contamination still exists on the Subject Property that Pebb and Socro must now carefully address through continued site assessment activities and by undertaking measures that may include additional contaminated soil management, engineering control construction, as well as imposing restrictions on the future use of the Subject Property’s underlying soil and groundwater. As such, Pebb and Socro face significant additional redevelopment costs and must work within a strict regulatory framework that exists to ensure contamination is properly and safely managed. To accomplish this, Pebb and Socro will be required to carefully manage the contamination at all stages of the redevelopment, imposing great legal and financial risk, by incorporating design and construction changes on the project that would not be required but for the presence of actual contamination.

In sum, the presence of contamination imposes a material level of regulatory, construction, health, and legal liability risk, complicates redevelopment efforts, and requires significant time and money for environmental, engineering, and legal consultants to properly address. Accordingly, this designation, if granted, will allow Pebb and Socro to access limited but important state-based economic incentives to help underwrite the unanticipated and unbudgeted costs associated with managing the environmental risk as well as, generally, to put the project on a more certain financial ground. In this sense, the designation will not only play a critical role in the successful redevelopment of the Subject Property, but also in the larger revitalization efforts for this area of County.

⁷ The Florida Department of Environmental Protection (“FDEP”) has an extensive file for the Subject Property which may be accessed at:
https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_3826/facility!search.

⁸ See Attachment F for a status letter issued by FDEP to a prospective purchaser of the Subject Property describing the publicly funded work conducted to date as well as describing the additional privately funded work a future owner of the Subject Property must perform.

III. Conclusion

PeBB and Socro have demonstrated that the Subject Property meets the definition of a “brownfield site” and that it satisfies the five statutory criteria for designation. Accordingly, designation of the Subject Property as a Green Reuse Area pursuant to § 376.80(2)(c), Florida Statutes, of Florida’s Brownfield Redevelopment Act is appropriate.

Attachment A

{00011878.DOCX.1}

SITE DATA

APPLICATION NAME ATLANTIC AGR COMMERCIAL AND SELF-STORAGE
 APPLICATION NUMBER PFDCAVW/20210124/
 CONTROL NUMBER 2021-0000
 TER AGR
 EXISTING FUTURE LAND USE DESIGNATION AGR
 PROPOSED FUTURE LAND USE DESIGNATION CL/AGR
 EXISTING ZONING DISTRICT AGR-PD
 PROPOSED ZONING DISTRICT PD
 PROPERTY CONTROL NUMBER 00-12-16-20-01-000-0130
 EXISTING USE VACANT LAND
 PROPOSED USE RETAIL / CAR WASH / SELF-SERVICE STORAGE, MULTI-ACCESS AND LIMITED-ACCESS

SITE AREA (194,813 SQ. FT.)
 SELF-SERVICE STORAGE, MULTI-ACCESS (234,413 SQ. FT.)
 REMAINING SITE AREA (194,200 SQ. FT.)
 GROSS FLOOR AREA 107,800 S.F.
 SELF-SERVICE STORAGE, MULTI-ACCESS 23,089 S.F.
 SELF-SERVICE STORAGE, LIMITED-ACCESS 71,363 S.F.
 CAR WASH 3,119 S.F.
 RETAIL 10,212 S.F.

FAR (LIMITED BY COND. 1 OF ORD. 10) 0.40
 SELF-STORAGE 0.07
 BUILDING HEIGHT (FT. MAX.)
 CAR WASH (BLDG. A) 35'
 RETAIL (BLDG. B) 35'
 SELF STORAGE (BLDG. C/D/E/F) 35'

PARKING
 TOTAL PARKING REQUIRED 65 SP.
 CAR WASH (1 SP / 200 S.F. @ 165 S.F.) 1 SP.
 RETAIL (1 SP / 200 S.F. @ 10,212 S.F.) 51 SP.
 SELF STORAGE, MULTI-ACCESS (1 SP / 200 BAYS, @ 25 BAYS, MIN 3 SP) 5 SP.
 SELF STORAGE, LIMITED-ACCESS (1 SP / 200 BAYS, @ 302 BAYS, MIN 3 SP) 8 SP.
 ADA (INCL. IN TOTAL) 5 SP.
 LOADING ZONES 4 SP.
 TOTAL PARKING PROVIDED 146 SP.
 CAR WASH 34 SP.
 VACUUM SPACES 17 SP.
 RETAIL 31 SP.
 SELF STORAGE 78 SP.
 ADA (INCL. IN TOTAL) 6 SP.
 LOADING ZONES 3 SP.
 MEDIAN LOT WIDTH 331.47'
 MEDIAN LOT DEPTH 1300'

USABLE OPEN SPACE REQUIRED (5% OF DEVELOPMENT AREA PER ART. 3.E.1.B.2.F.) 0.36 AC. (11,541 S.F.)
 USABLE OPEN SPACE PROVIDED PERVIOUS AREA 3.81 AC. (1,998 S.F.)

TRAFFIC ANALYSIS ZONE 760

TABLE 3.E.3.D-MUPD PROPERTY DEVELOPMENT REGULATIONS

FLU./CL	LOT DIMENSIONS			MAX. BLDG COVER	MIN. SETBACKS				
	SIDE	WIDTH FRONTAGE	DEPTH		F.A.R.	FRONT	SIDE	SIDE STREET	REAR
REQUIRED	3 AC.	200'	200'	25%	0.25	25'	0'-10'	25'	0'-20'
PROPOSED	9.89 AC.	331.07'	330.00'	25%	0.26	147'	30'	N/A	218'

CONCURRENCY BOX

RETAIL	10,212 S.F.
SELF-SERVICE STORAGE, MULTI-ACCESS	23,089 S.F. (25 BAYS)
SELF-SERVICE STORAGE, LIMITED-ACCESS	71,363 S.F. (302 BAYS)
CAR WASH	3,119 S.F.
OFFICE	781 S.F.

"CONCURRENCY IS RESERVED FOR THE ABOVE USES AND AMOUNTS SHOWN ON THIS PLAN."

FOUNDATION PLANTING CHART

FACADE	FACADE LENGTH	BLOSSOM					
		BLOSSOM 1	BLOSSOM 2	BLOSSOM 3	BLOSSOM 4	BLOSSOM 5	BLOSSOM 6
FRONT (WEST)	F.P. REQUIRED (50% OF LENGTH)	92.5'	78'	0'	229'	22.5'	22.5'
	F.P. PROVIDED	92.5'	10'	0'	229'	22.5'	22.5'
REAR (EAST)	FACADE LENGTH	105'	140'	450'	152'	42'	42'
	F.P. REQUIRED (50% OF LENGTH)	52.5'	70'	225'	0'	22.5'	22.5'
	F.P. PROVIDED	52.5'	70'	225'	0'	22.5'	22.5'
LEFT SIDE (NORTH)	FACADE LENGTH	19'	79'	60'	90'	230'	371'
	F.P. REQUIRED (50% OF LENGTH)	9.5'	39'	30'	45'	0'	135.5'
	F.P. PROVIDED	0'	39'	30'	45'	0'	135.5'
FRONT SIDE (NORTH)	FACADE LENGTH	18'	10'	60'	90'	230'	227'
	F.P. REQUIRED (50% OF LENGTH)	9.0'	5.0'	30'	45'	115.0'	0'
	F.P. PROVIDED	0'	5.0'	30'	45'	115.0'	0'

TYPE 2 WAIVER CHART

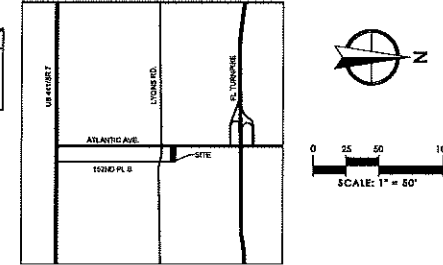
CODE SECTION	REQUIRED	PROVIDED	WAIVER
ART. 3.E.3.B.2.D. LANDSCAPE BUFFERS	6' HIGH OPAQUE WALL IN TYPE 3 COMPATIBILITY BUFFER ADJACENT TO EAST P.L.	30' L.F. OF WALL ADJACENT TO SELF STORAGE BLDG. C. NO WALL PROVIDED FROM NORTH SIDE OF SELF STORAGE BLDG. C TO SOUTH P.L. (877 L.F.)	ELIMINATION OF 877 L.F. OF WALL WITHIN TYPE 3 INCOMPATIBILITY BUFFER ADJACENT TO EAST P.L.

CONDITION OF APPROVAL PER IGA 2021-004, ORD. 192:
 1. A MAXIMUM OF 1537 SQUARE FEET OF COMMERCIAL USES (OTHER THAN SELF-STORAGE) AND A MAXIMUM OF 15000 SQUARE FEET OF SELF-STORAGE USES.
 2. VEHICULAR CROSS ACCESS SHALL BE PROVIDED TO THE BEST OF THE SITE.

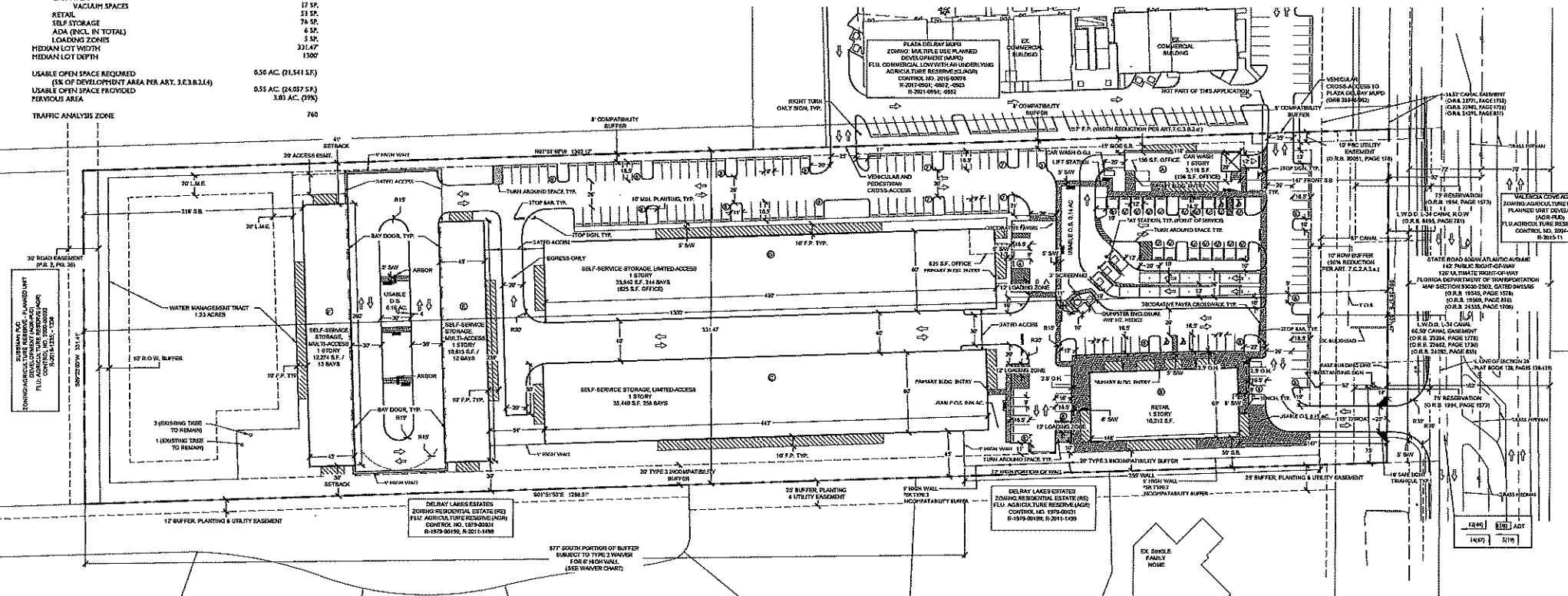
NOTES:

1. IT IS THE INTENT OF THE DEVELOPER TO SUBMIT THE PROPERTY PURSUANT TO THE PLATTING EXEMPTION OF ARTICLE 11.A.B.B.

LOCATION MAP



NO.	DATE	DESCRIPTION	BY	DATE
1	08/20/21	INITIAL SUBMITTAL	CF	
2	08/20/21	REVISIONS	CF	



LEGEND

- AC = ACES
- ADT = AVERAGE DAILY TRIPS
- B.D.E. = BUFFER DRAINAGE EASEMENT
- CL = CENTER LINE
- C & G = CURB & GUTTER
- D = DROP-OFF SPACE
- D.E. = DRAINAGE EASEMENT
- EX = EXISTING
- F.P. = FOUNDATION PLANTING
- F.P.L. = FLORIDA POWER AND LIGHT
- INC. = INCOMPATIBILITY
- L.A.E. = LIMITED ACCESS EASEMENT
- L.M.A.E. = LAKE MAINTENANCE ACCESS EASEMENT
- L.B. = LANDSCAPE BUFFER
- L.P.L.E. = LAKE MAINTENANCE EASEMENT
- L.S. = LOADING SPACE
- L.W.D.D. = LAKE WORTH DRAINAGE DISTRICT
- O.H. = OVERHANG
- O.S. = OPEN SPACE
- O.G.I. = OIL AND GREASE INTERCEPTOR
- P.B. = PLAY BOOK
- P.L. = PROPERTY LINE
- P.O.S. = POINT OF SERVICE
- REST. = RESTAURANT
- R.O.W. = RIGHT OF WAY
- S.B. = SETBACK
- S.W.E. = SIDEWALK EASEMENT
- S.W. = SIDEWALK
- S.F. = SQUARE FEET
- SP = SPACE
- T.B.A. = TO BE ABANDONED
- T.R. = TO REMAIN
- U.E. = UTILITY EASEMENT
- V. = VACUUM SPACE

AMENDMENTS

ZONING STAMP

ATLANTIC AGR COMMERCIAL AND SELF-STORAGE
 PRELIMINARY SITE PLAN

SHEET:
 PSP-1

Attachment B

{00011878.DOCX.1}

Select Year:

The 2021 Florida Statutes

Title XXVIII
NATURAL RESOURCES; CONSERVATION,
RECLAMATION, AND USE

Chapter 376
POLLUTANT DISCHARGE PREVENTION
AND REMOVAL

View Entire
Chapter

376.80 Brownfield program administration process.—

(1) The following general procedures apply to brownfield designations:

(a) The local government with jurisdiction over a proposed brownfield area shall designate such area pursuant to this section.

(b) For a brownfield area designation proposed by:

1. The jurisdictional local government, the designation criteria under paragraph (2)(a) apply, except if the local government proposes to designate as a brownfield area a specified redevelopment area as provided in paragraph (2)(b).

2. Any person, other than a governmental entity, including, but not limited to, individuals, corporations, partnerships, limited liability companies, community-based organizations, or not-for-profit corporations, the designation criteria under paragraph (2)(c) apply.

(c) Except as otherwise provided, the following provisions apply to all proposed brownfield area designations:

1. Notification to department following adoption.—A local government with jurisdiction over the brownfield area must notify the department, and, if applicable, the local pollution control program under s. 403.182, of its decision to designate a brownfield area for rehabilitation for the purposes of ss. 376.77-376.86. The notification must include a resolution adopted by the local government body. The local government shall notify the department, and, if applicable, the local pollution control program under s. 403.182, of the designation within 30 days after adoption of the resolution.

2. Resolution adoption.—The brownfield area designation must be carried out by a resolution adopted by the jurisdictional local government, which includes a map adequate to clearly delineate exactly which parcels are to be included in the brownfield area or alternatively a less-detailed map accompanied by a detailed legal description of the brownfield area. For municipalities, the governing body shall adopt the resolution in accordance with the procedures outlined in s. 166.041, except that the procedures for the public hearings on the proposed resolution must be in the form established in s. 166.041(3)(c)2. For counties, the governing body shall adopt the resolution in accordance with the procedures outlined in s. 125.66, except that the procedures for the public hearings on the proposed resolution shall be in the form established in s. 125.66(4)(b).

3. Right to be removed from proposed brownfield area.—If a property owner within the area proposed for designation by the local government requests in writing to have his or her property removed from the proposed designation, the local government shall grant the request.

4. Notice and public hearing requirements for designation of a proposed brownfield area outside a redevelopment area or by a nongovernmental entity. Compliance with the following provisions is required before designation of a proposed brownfield area under paragraph (2)(a) or paragraph (2)(c):

a. At least one of the required public hearings shall be conducted as closely as is reasonably practicable to the area to be designated to provide an opportunity for public input on the size of the area, the objectives for rehabilitation, job opportunities and economic developments anticipated, neighborhood residents' considerations, and other relevant local concerns.

b. Notice of a public hearing must be made in a newspaper of general circulation in the area, must be made in ethnic newspapers or local community bulletins, must be posted in the affected area, and must be announced at a scheduled meeting of the local governing body before the actual public hearing.

(2)(a) *Local government-proposed brownfield area designation outside specified redevelopment areas.*—If a local government proposes to designate a brownfield area that is outside a community redevelopment area, enterprise zone, empowerment zone, closed military base, or designated brownfield pilot project area, the local government shall provide notice, adopt the resolution, and conduct public hearings pursuant to paragraph (1)(c). At a public hearing to designate the proposed brownfield area, the local government must consider:

1. Whether the brownfield area warrants economic development and has a reasonable potential for such activities;
2. Whether the proposed area to be designated represents a reasonably focused approach and is not overly large in geographic coverage;
3. Whether the area has potential to interest the private sector in participating in rehabilitation; and
4. Whether the area contains sites or parts of sites suitable for limited recreational open space, cultural, or historical preservation purposes.

(b) *Local government-proposed brownfield area designation within specified redevelopment areas.*—Paragraph (a) does not apply to a proposed brownfield area if the local government proposes to designate the brownfield area inside a community redevelopment area, enterprise zone, empowerment zone, closed military base, or designated brownfield pilot project area and the local government complies with paragraph (1)(c).

(c) *Brownfield area designation proposed by persons other than a governmental entity.*—For designation of a brownfield area that is proposed by a person other than the local government, the local government with jurisdiction over the proposed brownfield area shall provide notice and adopt a resolution to designate the brownfield area pursuant to paragraph (1)(c) if, at the public hearing to adopt the resolution, the person establishes all of the following:

1. A person who owns or controls a potential brownfield site is requesting the designation and has agreed to rehabilitate and redevelop the brownfield site.
2. The rehabilitation and redevelopment of the proposed brownfield site will result in economic productivity of the area, along with the creation of at least 5 new permanent jobs at the brownfield site that are full-time equivalent positions not associated with the implementation of the brownfield site rehabilitation agreement and that are not associated with redevelopment project demolition or construction activities pursuant to the redevelopment of the proposed brownfield site or area. However, the job creation requirement does not apply to the rehabilitation and redevelopment of a brownfield site that will provide affordable housing as defined in s. 420.0004 or the creation of recreational areas, conservation areas, or parks.
3. The redevelopment of the proposed brownfield site is consistent with the local comprehensive plan and is a permissible use under the applicable local land development regulations.
4. Notice of the proposed rehabilitation of the brownfield area has been provided to neighbors and nearby residents of the proposed area to be designated pursuant to paragraph (1)(c), and the person proposing the area for designation has afforded to those receiving notice the opportunity for comments and suggestions about rehabilitation. Notice pursuant to this subparagraph must be posted in the affected area.
5. The person proposing the area for designation has provided reasonable assurance that he or she has sufficient financial resources to implement and complete the rehabilitation agreement and redevelopment of the brownfield site.

(d) *Negotiation of brownfield site rehabilitation agreement.*—The designation of a brownfield area and the identification of a person responsible for brownfield site rehabilitation simply entitles the identified person to negotiate a brownfield site rehabilitation agreement with the department or approved local pollution control program.

(3) When there is a person responsible for brownfield site rehabilitation, the local government must notify the department of the identity of that person. If the agency or person who will be responsible for the coordination

changes during the approval process specified in subsections (4), (5), and (6), the department or the affected approved local pollution control program must notify the affected local government when the change occurs.

(4) Local governments or persons responsible for rehabilitation and redevelopment of brownfield areas must establish an advisory committee or use an existing advisory committee that has formally expressed its intent to address redevelopment of the specific brownfield area for the purpose of improving public participation and receiving public comments on rehabilitation and redevelopment of the brownfield area, future land use, local employment opportunities, community safety, and environmental justice. Such advisory committee should include residents within or adjacent to the brownfield area, businesses operating within the brownfield area, and others deemed appropriate. The person responsible for brownfield site rehabilitation must notify the advisory committee of the intent to rehabilitate and redevelop the site before executing the brownfield site rehabilitation agreement, and provide the committee with a copy of the draft plan for site rehabilitation which addresses elements required by subsection (5). This includes disclosing potential reuse of the property as well as site rehabilitation activities, if any, to be performed. The advisory committee shall review any proposed redevelopment agreements prepared pursuant to paragraph (5)(i) and provide comments, if appropriate, to the board of the local government with jurisdiction over the brownfield area. The advisory committee must receive a copy of the executed brownfield site rehabilitation agreement. When the person responsible for brownfield site rehabilitation submits a site assessment report or the technical document containing the proposed course of action following site assessment to the department or the local pollution control program for review, the person responsible for brownfield site rehabilitation must hold a meeting or attend a regularly scheduled meeting to inform the advisory committee of the findings and recommendations in the site assessment report or the technical document containing the proposed course of action following site assessment.

(5) The person responsible for brownfield site rehabilitation must enter into a brownfield site rehabilitation agreement with the department or an approved local pollution control program if actual contamination exists at the brownfield site. The brownfield site rehabilitation agreement must include:

(a) A brownfield site rehabilitation schedule, including milestones for completion of site rehabilitation tasks and submittal of technical reports and rehabilitation plans as agreed upon by the parties to the agreement.

(b) A commitment to conduct site rehabilitation activities under the observation of professional engineers or geologists who are registered in accordance with the requirements of chapter 471 or chapter 492, respectively. Submittals provided by the person responsible for brownfield site rehabilitation must be signed and sealed by a professional engineer registered under chapter 471, or a professional geologist registered under chapter 492, certifying that the submittal and associated work comply with the law and rules of the department and those governing the profession. In addition, upon completion of the approved remedial action, the department shall require a professional engineer registered under chapter 471 or a professional geologist registered under chapter 492 to certify that the corrective action was, to the best of his or her knowledge, completed in substantial conformance with the plans and specifications approved by the department.

(c) A commitment to conduct site rehabilitation in accordance with department quality assurance rules.

(d) A commitment to conduct site rehabilitation consistent with state, federal, and local laws and consistent with the brownfield site contamination cleanup criteria in s. [376.81](#), including any applicable requirements for risk-based corrective action.

(e) Timeframes for the department's review of technical reports and plans submitted in accordance with the agreement. The department shall make every effort to adhere to established agency goals for reasonable timeframes for review of such documents.

(f) A commitment to secure site access for the department or approved local pollution control program to all brownfield sites within the eligible brownfield area for activities associated with site rehabilitation.

(g) Other provisions that the person responsible for brownfield site rehabilitation and the department agree upon, that are consistent with ss. [376.77-376.86](#), and that will improve or enhance the brownfield site rehabilitation process.

(h) A commitment to consider appropriate pollution prevention measures and to implement those that the person responsible for brownfield site rehabilitation determines are reasonable and cost-effective, taking into

account the ultimate use or uses of the brownfield site. Such measures may include improved inventory or production controls and procedures for preventing loss, spills, and leaks of hazardous waste and materials, and include goals for the reduction of releases of toxic materials.

(i) Certification that the person responsible for brownfield site rehabilitation has consulted with the local government with jurisdiction over the brownfield area about the proposed redevelopment of the brownfield site, that the local government is in agreement with or approves the proposed redevelopment, and that the proposed redevelopment complies with applicable laws and requirements for such redevelopment. Certification shall be accomplished by referencing or providing a legally recorded or officially approved land use or site plan, a development order or approval, a building permit, or a similar official document issued by the local government that reflects the local government's approval of proposed redevelopment of the brownfield site; providing a copy of the local government resolution designating the brownfield area that contains the proposed redevelopment of the brownfield site; or providing a letter from the local government that describes the proposed redevelopment of the brownfield site and expresses the local government's agreement with or approval of the proposed redevelopment.

(6) Any contractor performing site rehabilitation program tasks must demonstrate to the department that the contractor:

- (a) Meets all certification and license requirements imposed by law; and
- (b) Will conduct sample collection and analyses pursuant to department rules.

(7) During the cleanup process, if the department or local program fails to complete review of a technical document within the timeframe specified in the brownfield site rehabilitation agreement, the person responsible for brownfield site rehabilitation may proceed to the next site rehabilitation task. However, the person responsible for brownfield site rehabilitation does so at its own risk and may be required by the department or local program to complete additional work on a previous task. Exceptions to this subsection include requests for "no further action," "monitoring only proposals," and feasibility studies, which must be approved prior to implementation.

(8) If the person responsible for brownfield site rehabilitation fails to comply with the brownfield site rehabilitation agreement, the department shall allow 90 days for the person responsible for brownfield site rehabilitation to return to compliance with the provision at issue or to negotiate a modification to the brownfield site rehabilitation agreement with the department for good cause shown. If an imminent hazard exists, the 90-day grace period shall not apply. If the project is not returned to compliance with the brownfield site rehabilitation agreement and a modification cannot be negotiated, the immunity provisions of s. 376.82 are revoked.

(9) The department is specifically authorized and encouraged to enter into delegation agreements with local pollution control programs approved under s. 403.182 to administer the brownfield program within their jurisdictions, thereby maximizing the integration of this process with the other local development processes needed to facilitate redevelopment of a brownfield area. When determining whether a delegation pursuant to this subsection of all or part of the brownfield program to a local pollution control program is appropriate, the department shall consider the following. The local pollution control program must:

- (a) Have and maintain the administrative organization, staff, and financial and other resources to effectively and efficiently implement and enforce the statutory requirements of the delegated brownfield program; and
- (b) Provide for the enforcement of the requirements of the delegated brownfield program, and for notice and a right to challenge governmental action, by appropriate administrative and judicial process, which shall be specified in the delegation.

The local pollution control program shall not be delegated authority to take action on or to make decisions regarding any brownfield site on land owned by the local government. Any delegation agreement entered into pursuant to this subsection shall contain such terms and conditions necessary to ensure the effective and efficient administration and enforcement of the statutory requirements of the brownfield program as established by the act and the relevant rules and other criteria of the department.

(10) Local governments are encouraged to use the full range of economic and tax incentives available to facilitate and promote the rehabilitation of brownfield areas, to help eliminate the public health and

environmental hazards, and to promote the creation of jobs and economic development in these previously run-down, blighted, and underutilized areas.

(11)(a) The Legislature finds and declares that:

1. Brownfield site rehabilitation and redevelopment can improve the overall health of a community and the quality of life for communities, including for individuals living in such communities.
2. The community health benefits of brownfield site rehabilitation and redevelopment should be better measured in order to achieve the legislative intent as expressed in s. 376.78.
3. There is a need in this state to define and better measure the community health benefits of brownfield site rehabilitation and redevelopment.
4. Funding sources should be established to support efforts by the state and local governments, in collaboration with local health departments, community health providers, and nonprofit organizations, to evaluate the community health benefits of brownfield site rehabilitation and redevelopment.

(b) Local governments may and are encouraged to evaluate the community health benefits and effects of brownfield site rehabilitation and redevelopment in connection with brownfield areas located within their jurisdictions. Factors that may be evaluated and monitored before and after brownfield site rehabilitation and redevelopment include, but are not limited to:

1. Health status, disease distribution, and quality of life measures regarding populations living in or around brownfield sites that have been rehabilitated and redeveloped.
2. Access to primary and other health care or health services for persons living in or around brownfield sites that have been rehabilitated and redeveloped.
3. Any new or increased access to open, green, park, or other recreational spaces that provide recreational opportunities for individuals living in or around brownfield sites that have been rehabilitated and redeveloped.
4. Other factors described in rules adopted by the Department of Environmental Protection or the Department of Health, as applicable.

(c) The Department of Health may and is encouraged to assist local governments, in collaboration with local health departments, community health providers, and nonprofit organizations, in evaluating the community health benefits of brownfield site rehabilitation and redevelopment.

(12) A local government that designates a brownfield area pursuant to this section is not required to use the term "brownfield area" within the name of the brownfield area designated by the local government.

History.—s. 4, ch. 97-277; s. 3, ch. 98-75; s. 11, ch. 2000-317; s. 2, ch. 2004-40; s. 44, ch. 2005-2; s. 7, ch. 2006-291; s. 5, ch. 2008-239; s. 2, ch. 2014-114.

Attachment C

RECORDING REQUESTED BY AND
WHEN RECORDED RETURN TO:

Richard B. Warren, Esq.
4800 N. Federal Hwy.
Suite A, 205
Boca Raton, FL 33431

WARRANTY DEED

THIS WARRANTY DEED made the 17 day of December, 2020 by **U S LANDVEST CORP.**, a Florida corporation, whose mailing address is 10897 154th Road, Jupiter, FL 33478, hereinafter called the Grantor, to **PEBB ATLANTIC II, LLC**, a Florida limited liability company, and **SOCRO LLC**, a Florida limited liability company, as tenants in common, whose mailing address is 7900 Glades Road, Suite 600, Boca Raton, FL 33434, hereinafter called the Grantee (whenever used hereunder the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations):

WITNESSETH: That the Grantor, for and in consideration of the sum of Ten (\$10.00) Dollars and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantee, all those certain lands situated in Palm Beach County, Florida, described on Exhibit A attached hereto, incorporated herein, and made a part hereof for all purposes.

TOGETHER, with all the tenements, hereditaments, and appurtenances thereto belonging or in anywise appertaining (all of the above-described properties being hereinafter collectively referred to as the "Property").

SUBJECT nevertheless, to applicable restrictions, covenants, easements and conditions of record.

TO HAVE AND TO HOLD the Property unto Grantee, in fee simple, its successors and assigns in fee simple forever.

And the grantor hereby covenants with said grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to **December 31, 2020**.

IN WITNESS WHEREOF, the said Grantor has set Grantor's hand and seal the day and year first above written.

GRANTOR:

U S LANDVEST CORP.,
a Florida corporation, Trustee

By: [Signature]

Print Name: DEIN P. SPRIGGS,

Title: PRESIDENT

Signed, sealed and delivered in our presence:

Witness: [Signature]
Print Name: Lorraine A. Hinkle

Witness: [Signature]
Print Name: WENT E. WASHINGTON

STATE OF FLORIDA :
: SS
COUNTY OF PALM BEACH :

The foregoing instrument was acknowledged before me by means of physical presence or online notarization, this 17th day of December, 2020 by DEIN P. SPRIGGS, as PRESIDENT of U S Landvest Corp., Trustee, Grantor herein, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of such entity by himself as such officer.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

[NOTARIAL SEAL]

[Signature]
Notary Public
My Commission Expires:

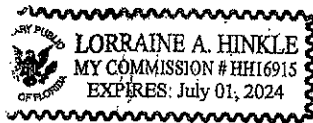


EXHIBIT "A"

Tract 13, LESS the North 52.49 feet, and Tract 20, in Section 20, Township 46 South, Range 42 East, of The Palm Beach Farms Co. Plat No. 1, according to the map or plat thereof, as recorded in Plat Book 2, Page 26, Public Records of Palm Beach County, Florida.

This is not a certified copy

Attachment D



Palm Beach County Board of County Commissioners
Public Hearing Results
May 4, 2022

1. CALL TO ORDER

- A. Roll Call
- B. Invocation and Pledge of Allegiance
- C. Proof of Publication - Motion to receive and file

BCC Action: *Motion to receive and file*, motion by Commissioner Bernard, seconded by Commissioner Kerner passed in a 7 to 0 vote.

2. Agenda Approval

- A. Additions, Deletions, Substitutions
- B. Postponements

BCC Action: *Motion to postpone Item 3.B.1 Brentwood of Wellington*, motion by Commissioner McKinlay, seconded by Vice Mayor Weiss passed in a 7 to 0 vote.

- C. Adoption of the Agenda

BCC Action: *Motion to adopt the agenda*, motion by Commissioner Kerner, seconded by Vice Mayor Weiss passed in a 7 to 0 vote.

3. PUBLIC HEARING – Amendment Round 22-B Transmittal

3.A. Privately Proposed Amendments in the Agricultural Reserve Tier

3.A.1. Atlantic Commercial & Self-Storage (LGA 2022-004), Feurring II (LGA 2022-008), and Seneca II (LGA 2022-009)

Summary: This is a three-part request in the Agricultural Reserve Tier that will revise previously adopted conditions of approval to reduce the maximum allowable commercial square footage on the Feurring II and Seneca II sites. This will release 13,444 square feet from the commercial cap to be utilized by Atlantic Commercial and Self-Storage, which is proposing a future land use amendment on 9.89 acres from Agricultural Reserve (AGR) to Commercial Low with an underlying Agricultural Reserve (CL/AGR).

Staff Assessment: The subject site meets the commercial location requirements for the Tier, falls within the commercial cap, and the site is adjacent to the west to commercial uses. The request for commercial future land use is appropriate at this location, and is compatible with surrounding land uses. The inclusion of the staff recommended conditions of approval to limit

the commercial square footage and require connectivity to the adjacent commercial will ensure that the request is consistent with Comprehensive Plan policies.

Staff Recommendation: *Approval with conditions*

Planning Commission/LPA Recommendation: *Approval with modifications, to modify Condition 1 to 100,00 square feet of self-storage uses*, motion by Lori Vinikoor, seconded by Barbara Roth, passed in a 13 to 1 vote (with Cara Capp dissenting) at the January 14, 2022 public hearing. Under discussion, Commission members asked about the timing and inspection process for the brownfield designation, the maximum square footage of the self-storage use and the location of the new preserve areas. One member of the public spoke in opposition stating there is no need for additional commercial in the Tier. Another member of the public spoke in support stating the development is an example of good planning practices with connectivity and there is a need for these services.

MOTION: To *transmit* the Atlantic Commercial and Self-Storage, Feurring II and Seneca II amendments.

BCC Action: *Transmit*, motion by Vice Mayor Weiss, seconded by Commissioner Marino, passed in a 7 to 0 vote at the May 4, 2022 public hearing. There was minimal board discussion. One member of the public spoke in support, citing staff's support of the proposed amendment and that the site will provide interconnectivity to adjacent commercial parcels.

3.A.2. West Atlantic Industrial Fina (LGA 2022-018)

Summary: The amendment proposes to allow up to 198,176 square feet of light industrial uses on a site west of State Road 7 in the Agricultural Reserve Tier. The applicant has proposed two conditions of approval to prohibit heavy industrial uses and to prohibit commercial uses with the exception of landscape service, self-service storage and accessory uses.

Staff Assessment: The subject site is located within the Agricultural Reserve Tier, and the addition of industrial in the Tier was not supported by the Board of County Commissioners (BCC) at the time the Master Plan was completed. Therefore, unlike the commercial future land use designation, there is no policy guidance in the Plan directing the appropriate locations, extent, intensity, and uses for this designation within the Tier. Although the applicant's proposed conditions of approval may mitigate some staff concerns regarding potential uses on the site, the lack of comprehensive policy guidance and a site plan preclude staff from making a finding that the requested industrial land use is appropriate and compatible for the subject location. Furthermore, County-Initiated text amendments are currently in process to establish policy guidance for all new industrial requests, through the newly proposed Commerce future land use. The Board has not had an opportunity to provide direction regarding the location and extent of new industrial uses in the Tier, rendering the request premature.

Staff Recommendation: *Denial*

Planning Commission/LPA Recommendation: *Denial*, motion by Glenn Gromann, seconded by Barbara Roth, passed in an 8 to 1 vote (with Edwin Ferguson dissenting) at the April 8, 2022 public hearing. The Commission discussion included comments and questions regarding the suitability of the site for industrial, the access onto Atlantic Avenue, the history of the SFWMD owned lands surrounding the property, the impact of a future FP&L electrical substation to the south, the unknown intensity and use proposed for the site, and the concurrent County Initiated

text amendment in process. Two members of the public spoke in opposition, representing the Loxahatchee Group of the Sierra Club and 1,000 Friends of Florida, citing that the proposed amendment would be incompatible with the surrounding preserves and agricultural uses, and further degrade the character and environment of the Agricultural Reserve. One member of the public spoke in support, citing that the amendment could provide a location for small businesses such as landscape service to locate in proximity to the customers they serve.

MOTION: To *deny* the West Atlantic Industrial Fina amendment.

BCC Action: *Denial*, motion by Commissioner McKinlay, seconded by Commissioner Bernard, passed in a 6 to 1 vote (with Mayor Weinroth dissenting) at the May 4, 2022 public hearing. Board discussion included comments regarding the status of the proposed text amendments within the Tier, ownership and history of preserve parcels north of the site, the unsuitability of a single-family dwelling on the site and whether the applicant had sought to preserve a portion of the subject site. Six members of the public spoke in opposition, including a representative of 1,000 Friends of Florida and Sierra Club Loxahatchee Group, citing negative environmental impacts, inadequate justification by the applicant, and a piecemeal approach to development within the Tier. Five members of the public spoke in support, including the property owner and family members, citing a need for small businesses such as landscape service to locate in proximity to customers, the changed built conditions within the Tier, and the detrimental effects imposed on their quality of life.

3.B. Privately Proposed Amendments in the Urban/Suburban Tier

3.B.1. Brentwood of Wellington (LGA 2022-020)

Summary: The amendment is requesting to delete previously adopted conditions of approval for portions of the site approved for the development of a congregate living facility. The proposed amendment results in an increase in residential development potential from 25 to 82 units. In addition, the concurrent zoning application includes a request for a 100% density bonus through the Workforce Housing Program (WHP) and the purchase of 31 Transfer of Development Rights (TDRs) for a total of 194 units (19 units per acre).

Staff Assessment: The amendment is consistent with the Comprehensive Plan policy that establishes TDRs as the required method of increasing density. In addition, the applicant is proposing a 100% WHP bonus density. However, staff is recommending the 80% WHP bonus density based on the point system, resulting in a total 178 units (17 units per acre). The request for higher density is appropriate due to site's location and access along an arterial roadway and the site plan provides for significant separation distances from the adjacent residential. Consistent with previous staff recommendations, proposed conditions include requiring the full purchase of available TDRs and requiring 25% of the total units as on-site workforce housing. Staff is proposing additional conditions of approval such as capping the maximum number of units to 178, a maximum height restriction of three stories, and requiring that the adoption hearing of the future land use amendment and zoning applications be held on the same date.

Staff Recommendation: *Approval with modifications*

Planning Commission/LPA Recommendation: *Denial*, motion by Barbara Roth, seconded by Marcia Hayden, passed in a 6 to 5 vote (with Lori Vinikoor, Glenn Gromann, Angela Vann, Spencer Siegel and Penny Pompei dissenting), at the April 8, 2022 public hearing. An initial

motion by Spencer Siegel, seconded by Glenn Gromann for approval with staff's modifications, failed in a 5 to 6 vote (with Edwin Ferguson, Cara Capp, Rick Stopek, Marcia Hayden, Dagmar Brahs and Barbara Roth dissenting). The Commission discussion included comments and questions regarding the previous condition of approval for the CLF, the traffic impacts to the corridor, the proposed density and surrounding residential density, and layering of density bonuses through the WHP and TDRs programs with the amendment process. Thirteen members of the public spoke in opposition, including representatives of the Thoroughbred Lakes Estates and Fieldstone HOAs. Members of the public stated that the proposed development is not compatible with the area, the proposed building would create visual impacts, property values would decrease, and issues related to drainage and increased traffic.

MOTION: To *transmit* the Brentwood of Wellington amendment.

BCC Action: *Postpone to August 31, 2022*, motion by Commissioner McKinlay, seconded by Vice Mayor Weiss passed in a 7 to 0 vote. Commission discussion included the need for workforce housing and willingness of adjacent residential communities to work with the applicant regarding concerns with the proposed multistory buildings. There was no public comment.

3.B.2. Villages of Windsor SE Residential (LGA 2022-017)

Summary: The amendment is requesting an increase in residential development potential from Congregate Living Facility (CLF), up to 347 beds or Residential, up to 24 units, to up to 95 units. The concurrent zoning application includes a request for an 80% density bonus through the Workforce Housing Program (WHP) and the purchase of 16 Transfer of Development Rights (TDRs) for a total of 187 units (15.8 units per acre). The applicant is also proposing to delete conditions of approval in the previously adopted ordinance related to the development of a congregate living facility.

Staff Assessment: While the proposed development is at a higher density than the surrounding future land uses, the request for higher density is appropriate considering the site's location at the intersection of two major roadways. In addition, the site plan provides a transition and buffer to adjacent residential uses by orienting the buildings towards Hypoluxo Road and providing a significant separation and retention area along the south side of the property. Staff is proposing conditions of approval to limit the site to 187 units, provide separation to existing residential, limit the height of buildings on the southern portion of the site to three stories and require that the adoption hearing of the future land use amendment and zoning applications be held on the same date. Consistent with previous staff recommendations, additional conditions of approval include requiring that 25% of the total units be built onsite as workforce housing (47 units) and requiring the full purchase of available TDRs (36 units).

Staff Recommendation: *Approval with modifications*

Planning Commission/LPA Recommendation: *Approval with staff's modifications*, motion by Glenn Gromann, seconded by Penny Pompei, passed in an 8 to 2 vote (with Barbara Roth and Dagmar Brahs dissenting) at the April 8, 2022 public hearing. Under discussion, Commission member comments and questions included the affordability of WHP rental prices, the applicant's public outreach with neighboring communities and Coalition of Boynton West Residential (COBWRA), and the location and height of the proposed buildings. Three members of the public, including representatives of Valencia Shores and Savannah Estates HOAs, spoke in opposition to the four-story building and high density. A representative of COBWRA spoke

citing concerns that the proposed amendment was not presented to their growth management committee in advance of the meeting.

MOTION: To *transmit* the Villages of Windsor SE Residential amendment.

BCC Action: *Postpone to August 31, 2022*, motion by Commissioner Kerner, seconded by Commissioner McKinlay passed in a 7 to 0 vote at the May 4, 2022 public hearing. Under discussion, the Board discussed that the neighboring community and Coalition of Boynton West Residential Associations (COBWRA) need more time to review the request. A representative of COBWRA requested postponement of the amendment to allow additional time to meet with the applicant. Two members of the public spoke in support citing the need for workforce housing. Three members of the public, including a representative of the Valencia Shores Master Association, spoke in opposition stating that the proposed amendment is too dense.

3.C. County Proposed Text and Map Series Amendments

3.C.1. Coastal High Hazard Area (CHHA) Updates

Summary: This proposed County-initiated amendment would revise the Introduction and Administration Element, Coastal Management Element, and Map Series Coastal High Hazard Area Map CM 2.1 of the Comprehensive Plan, to update the depiction and references to the Coastal High Hazard Area to reflect the most recent maps provided by the Florida Division of Emergency Management.

Staff Assessment: The proposed amendments update the Coastal High Hazard Area (CHHA) map, definition, and references in the Comprehensive Plan to reflect the latest information provided by the Florida Division of Emergency Management, and as such are part of the ongoing maintenance of the Comprehensive Plan.

Staff Recommendation: *Approval*

Planning Commission/LPA Recommendation: *Approval*, motion by Barbara Roth, seconded by Spencer Siegel, passed in a 12 to 0 vote at the March 11, 2022 public hearing. Under discussion, Commission members asked how these maps correspond with evacuation zones and where to see the location of municipal Coastal High Hazard Areas. Two members of the public including a representative of the Sierra Club Loxahatchee Group stated that the County's coastal areas are at risk and expressed that the CHHA should reflect all hurricane categories.

MOTION: To *transmit* the Coastal High Hazard Area Updates text amendment.

BCC Action: *Transmit*, motion by Vice Mayor Weiss, seconded by Commissioner Sachs, passed in a 7 to 0 vote at the May 4, 2022 public hearing. There was minimal board discussion. One member of the public spoke regarding climate change impacts and support of natural dunes.

3.C.2. Commerce Future Land Use Designation Text

Summary: This County proposed amendment would establish a third future land use designation for light industrial uses. The amendment proposes to establish location, frontage and access requirements for the new CMR future land use in the Urban/Suburban Tier (Exhibit 1-A). In addition, the amendment will limit new industrial uses in the Agricultural Reserve Tier to

the CMR future land use designation, and establish location, frontage, access, and preserve requirements (Exhibit 1-B).

Staff Assessment: The new Commerce (CMR) FLU will allow the Board to review and consider proposed light industrial uses to ensure that each project is appropriately located and compatible with adjacent land uses, and ensure that the approval does not introduce heavy industrial uses, which may not be appropriate at the particular location. The new CMR future land use will be allowed in the Urban/Suburban Tier and not within the Rural and Exurban Tiers. This amendment also proposes to establish policy guidance for industrial uses in the Agricultural Reserve Tier by establishing location requirements and limiting to the new CMR designation. Based on Board direction, the amendment includes two options for the proposed preserve requirements: either for sites over 16 acres consistent with commercial designations or for sites over 50 acres.

Staff Recommendation: *Approval*

Planning Commission/LPA Recommendation: *Approval of the Commerce future land use designation in the Urban/Suburban Tier*, motion by Dagmar Brahs, seconded by Glenn Gromann, passed in a 12 to 0 vote at the March 11, 2022 public hearing. ***Denial of the Commerce future land use designation in the Agricultural Reserve Tier***, a motion for approval with modifications by Kiley Harper-Larsen, seconded by Glenn Gromann failed in a 6 to 6 vote (with Barbara Roth, Lori Vinikoor, Dagmar Brahs, Sara Pardue, Marcia Hayden and Rick Stopek dissenting) at the March 11, 2022 public hearing. The failure to pass an affirmative vote resulted in a denial. The motion included the reduction of the minimum acreage to 4 acres and a preserve requirement for sites 16 acres and greater. An initial motion for approval with modifications (to reduce the minimum acreage to 3 acres) by Kiley Harper-Larsen failed for a lack of second. A second motion to approve with a recommendation for preserve requirement for sites 16 acres and greater, by Penny Pompei, seconded by Glenn Gromann, failed in a 5 to 7 vote (with Barbara Roth, Lori Vinikoor, Dagmar Brahs, Sara Pardue, Kiley Harper-Larsen, Rick Stopek, and Eric Royal dissenting).

Under discussion, Commission members deliberated the acreage needed for industrial uses, the appropriateness of the Commerce FLU on the west side of State Road 7, and tightening of language for the Agricultural Reserve Tier. One member of the public spoke in support of the new future land use within the Urban/Suburban Tier stating that it is needed and long overdue. Six members of the public including the Representatives of Sierra Club Loxahatchee Group and 1000 Friends of Florida spoke in opposition to the new future land use in the Agricultural Reserve Tier stating the impact of climate change and need to protect agriculture in the Tier. Ten members of the public spoke in support of light industrial uses in the Tier and requested modifications to extend the location criteria west of State Road 7 on Atlantic Avenue, reduce minimum site size to 3 acres, and allow for preserve requirement for sites 50 acres or greater.

BCC Action: *Transmit the Commerce future land use designation in the Urban/Suburban Tier*, motion by Commissioner Sachs, seconded by Commissioner Marino passed in a 7 to 0 vote at the May 4, 2022 public hearing. ***Transmit with modifications the Commerce future land use designation in the Agricultural Reserve Tier***, motion by Commissioner Sachs, seconded by Commissioner Bernard, passed in a 5 to 2 vote (with Vice Mayor Weiss and Commissioner McKinlay dissenting) at the May 4, 2022 public hearing. The motion included modifications to reduce the minimum acreage to 3 acres and to require a preserve for sites over 50 acres to allow a broader range that may be narrowed at adoption. The changes are shown in Exhibit 1-

B in double underline and double strikethrough. Under discussion, the Board expressed preliminary support for the new future land use designation and policies in the Ag Reserve Tier, and directed staff to continue dialogue with interested parties and property owners on the topics presented between transmittal and adoption.

Under public comment, 18 members of the public spoke on the item. Eleven members of the public spoke in support of the amendment, although several requested modifications to the minimum acreage, allowing west of SR7, and increasing preserve requirements from 16 to 50 acre sites. Seven members of the public including representatives of Sierra Club Loxahatchee Group and 1000 Friends of Florida spoke in opposition citing the need to preserve the land in the Ag Reserve for agriculture and that the area was not appropriate for industrial or regional uses. Representatives from the Coalition of Boynton West Residential Associations (COBWRA), Save Agriculture Reserve for Agriculture (SARA), the Alliance of Delray Residential Associations, Inc. expressed concern for the amendment in the Agricultural Reserve Tier, and commented on the need to refine some of the policy language, restrictions, and requirements for this language, often citing their written comments (attached in Exhibit 3).

3.C.3. Agricultural Reserve Essential Housing Future Land Use Designation Text

Summary: This County proposed amendment would establish a new future land use designation to facilitate higher-density residential development including multifamily in the Agricultural Reserve Tier. The amendment proposes to establish location, frontage, minimum size, and required percentages of preserve area and of workforce housing for the new Essential Housing FLU designation; and, remove obsolete policies and clarify language in existing policies.

Staff Assessment: The objective of Agricultural Reserve is to “*preserve and enhance agricultural activity, environmental and water resources.*” Toward this objective, several development types have been implemented, including the low-density 60/40 AGR PUD, and the traditional marketplaces intended to provide services for residents and farmworkers in the Agricultural Reserve Tier. Other uses have introduced additional employment, including a hospital, several schools, and several industrial sites. Given the low-density development pattern in the Agricultural Reserve Tier, there are limited housing opportunities for most people employed in these workplaces. Creating a higher-density category with both a significant workforce housing requirement and a preserve requirement helps to address this imbalance while continuing to support the preservation objective, and helps to create livable communities while recognizing unique characteristics of the area. Locating that higher-density, compact development on major corridors in proximity to the marketplaces limits trips and facilitates transit access. Workforce housing in the Agricultural Reserve Tier also furthers the County objectives of dispersing workforce housing and addressing the housing needs of lower income households.

Staff Recommendation: *Approval*

Planning Commission/LPA Recommendation: *Approval*, motion by Glenn Gromann, seconded by Angella Vann, passed in a 6 to 1 vote (with Cara Capp dissenting) at the April 8, 2022 public hearing. Under discussion, the Commission members asked questions about the density for the proposed future land use designation, utilizing preserve parcels for water management, the requirement for two housing types, and the ability for the preserve areas to be reassigned to another development area. Two members of the public, representing 1,000 Friends of Florida and the Sierra Club Loxahatchee Group, spoke in opposition stating that high

density and workforce housing is not appropriate in the Agricultural Reserve Tier. Three members of the public spoke in support stating that workforce housing is needed in the County and requested modifications to delete the two housing type requirement and to allow water management tracts within preserve areas.

MOTION: To *transmit* the Essential Housing FLU text amendment.

BCC Action: *Transmit*, motion by Commissioner Marino, seconded by Commissioner Sachs, passed in a 6 to 0 vote (with Commissioner Bernard absent) at the May 4, 2022 public hearing. The Board discussed uses permitted in preserve areas, and number of housing units approved in the Agricultural Reserve marketplaces and anticipated by the Master Plan. Fifteen members of the public spoke in support, including a representative of the Coalition of Boynton West Residential Associations, most citing the need for workforce housing and expressing support for modifications to the text to include a farm-to-table restaurant and water quality enhancement features in the preserve area. Five members of the public spoke in opposition, including representatives of 1,000 Friends of Florida and the Sierra Club, citing the impacts of the proposed increase in density.

4. **COMMENTS**

- A. County Attorney
- B. Planning Director
- C. Zoning Director
- D. Executive Director
- E. Assistant County Administrator
- F. Commissioners

5. **ADJOURNMENT**

T:\Planning\AMEND\22-B\Reports-Agendas\2-BCCTran-May4\Results-BCC-5-4-22.docx

Attachment E



CBIZ MHM, LLC
2255 Glades Road, Suite 321A
Boca Raton, FL 33431
Main: 561.994.5050 ■ Fax: 561.241.0071
www.cbizsouthflorida.com

May 10, 2022

To Whom It May Concern:

Please be advised that our firm has represented Banyan Development since inception as well as two of the principals for many years. Over that period we have prepared their business and personal tax returns. We have knowledge of their personal finances as well as from various developments significantly larger than the proposed retail and self-storage facility planned for the ten-acre Atlantic Avenue site.

Banyan Development is developing this project with Pebb Enterprises through their respective development entities Socro, LLC and Pebb Atlantic II, LLC, and based on financial information that has been shared with us, they have more than ample financial resources to complete another strong development in Palm Beach County.

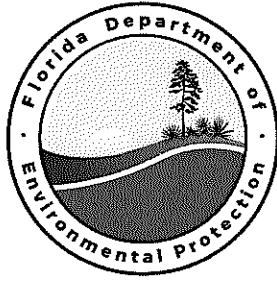
Sincerely

CBIZ MHM, LLC

A handwritten signature in black ink, appearing to read "L. Rosenblum". The signature is fluid and cursive, with a long, sweeping underline.

Lawrence A. Rosenblum, CPA
Managing Director

Attachment F



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Ron DeSantis
Governor

Jeanette Nunez
Lt. Governor

Noah Valenstein
Secretary

November 16, 2020

VIA ELECTRONIC MAIL: iweiner@pebbent.com

Mr. Ian Weiner,
Manager
Amherst Acquisitions, LLC
A Delaware limited liability company,
or its permitted assignee

Subject: Southern Crop Services Site (Northern 10 Acres)
8778 West Atlantic Avenue, Delray Beach, Palm Beach County
FDEP Site ID#: ERIC_3826

Dear Mr. Weiner:

This correspondence is in response to the request from Amherst Acquisitions, LLC, a Delaware limited liability company or its permitted assignee ("Amherst"), for a Florida Department of Environmental Protection (Department) status letter on the northern 10 acres of the Southern Crop Services ("SCS") Site (current Parcel ID# 00-42-46-20-01-000-0130)¹ (hereinafter "Subject Parcel"). This status letter is based on the law, facts, and conditions currently known to the Department and speaks specifically to the presence of contamination on the Subject Parcel related to the SCS state cleanup site (ERIC_3826).

The status of the SCS state cleanup site is as follows:

- The Department has completed assessment of all soil and groundwater on the Subject Parcel as part of the ongoing SCS state-funded site cleanup. Within the Subject Parcel, the Contaminants of Concern (COCs) in soil include Dieldrin, Toxaphene, and Copper with exceedances of the Soil Cleanup Target Levels ("SCTLs") in Chapter 62-777, Florida Administrative Code ("F.A.C."); and COCs in groundwater include alpha-BHC, beta-BHC, and Dieldrin with exceedances of the Groundwater Cleanup Target Levels ("GCTLs") in Chapter 62-777, F.A.C. These COCs have been documented in the February 15, 2019 Groundwater Sampling Report, the November 10, 2016 Annual

¹ As of this date, the Palm Beach County Property Appraiser's website still lists this Parcel ID. However, based on information from Amherst, it is the Department's understanding that the former 15-acre northern parcel was subdivided recently and that the northernmost 10 acres may receive a newly assigned Parcel ID in the future.

Groundwater Monitoring Report, and the April 12, 2018 Supplemental Soil Assessment Report.

- Based on existing information, the contaminant conditions on the Subject Parcel meet the criteria of Subsection 62-780.680(3), F.A.C., for use of institutional and engineering controls (“IC/EC”) to prevent exposure to contaminated soil and groundwater.
- The Department will not issue a Conditional Site Rehabilitation Completion Order (“C-SRSCO”) for the SCS site until all contaminated media on all affected properties is addressed through cleanup or the use of IC/EC to achieve site closure.

Should Amherst acquire the Subject Parcel, the Department will not pursue enforcement against Amherst (i.e., the prospective purchaser) for additional cleanup or cost recovery for the state’s past expenditures on the SCS state cleanup site provided that:

- Amherst agrees to implement appropriate IC/EC, namely groundwater use restrictions and construction of impervious capping (such as parking lots and building foundations) on the Subject Parcel;
- Amherst continues to allow site access to the Department at the Subject Parcel, if necessary, to address any outstanding contaminated site cleanup issues, which may include groundwater sampling, inspection of constructed engineering controls, or other actions required to confirm compliance with Chapter 62-780, F.A.C.
- Amherst grants the Department access upon, over and across the Subject Parcel (non-exclusive ingress/egress easement) to gain access to the adjacent property (the southern 10 acres) that together with the Subject Parcel compose the Site for the purpose of performing cleanup activities on the adjacent property, which may include sampling, inspection of constructed engineering controls, or other actions required to confirm compliance with Chapter 62-780, F.A.C.;
- Prior to the date of this correspondence, Amherst has not owned, and has never held an interest in, the source of the contamination; i.e., the former Southern Crop Services facility and operations;
- Amherst did not cause, contribute to, or exacerbate the release or threat of release of any hazardous substance, through any act or omission, and Amherst continues to exercise due care in the management of the Subject Parcel such that Amherst does not cause, contribute to, or exacerbate the release or threat of release of any hazardous substance, through any act or omission;
- The person or persons who caused the release is not an agent or employee of Amherst and was not in a direct or indirect relationship with Amherst; and
- There is no alternative basis for liability pursuant to Section 107(a) of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) or any other federally-delegated program.

As long as the contamination of the Subject Parcel fits within the conditions set forth above, Amherst need not be concerned with enforcement action to pursue cleanup activities from the Department with respect to the SCS state cleanup site.

It should be noted that if additional development is a consideration for the Subject Parcel, the Department has no express prohibitions, other than those contained in any recorded Declaration of Restrictive Covenant (“DRC”), based on the SCS site’s COCs. However, as with any property containing contamination, the owner/builder/engineering consultant must take appropriate precautions regarding health and safety of construction workers; must properly handle, transport, and dispose of any contaminated media that is removed during site construction and redevelopment; and must take any remaining contamination into account for proposed site work, development, and end use, in accordance with state and federal laws and regulations. Federal laws and regulations (i.e., OSHA and RCRA, for example) may apply to proposed demolition and offsite disposal of any former airstrip debris and soils.

Owners and developers are also advised that any activities which spread or exacerbate the contamination are prohibited and may result in enforcement action.

SCS Site information is available through the Department’s Oculus web site located at: <https://depedms.dep.state.fl.us/Oculus/servlet/login>. To view the documents on the SCS Site, please select *Waste Cleanup* as the Catalog and select all items under Profile; then search using the Site-Facility ID: ERIC_3826. The documents will be available for you to view and download.

If you have any further questions, please contact the Waste Cleanup Program Administrator in Tallahassee at 850-245-8937.

Sincerely,

Jennifer A. Farrell
Program Administrator
Waste Cleanup Program

ec: William Burns, Waste Site Cleanup Section (Bill.Burns@FloridaDEP.gov)
Miranda McClure, Waste Site Cleanup Section (Miranda.McClure@FloridaDEP.gov)
Dawn Cinquino, FDEP Office of General Counsel (Dawn.Cinquino@FloridaDEP.gov)
Norva Blandin, FDEP Southeast District (Norva.Blandin@FloridaDEP.gov)
Lisa M. Duchene, Goldstein Environmental Law Firm (lduchene@goldsteinenvlaw.com)



UNIVERSAL ENGINEERING SCIENCES

Geotechnical Engineering | Construction Materials Testing and Inspection
Building Code Compliance | Environmental Services | Facilities Consulting

LIMITED GROUNDWATER ASSESSMENT

Conducted on

Northern 10 Acres of Former Southern Crop Services Site
8778 West Atlantic Avenue
Delray Beach, Palm Beach County, Florida 33446

UES Project No. 0640.2100087.0000

UES Report No. 1890334

Report Date: August 5, 2021



Prepared for:

The Goldstein Environmental Law Firm,
P.A. ("Client")
2100 Ponce de Leon Blvd, St 710
Coral Gables, FL 33134
Attention: Ms. Lisa Duchene, Esq.

Prepared by:

Universal Engineering Sciences, Inc.
1818 7th Avenue North, Unit One
Lake Worth, Florida 33461
(561) 540-6200
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Charlotte, NC
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Orlando, FL
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August 5, 2021

Ms. Lisa Duchene, Esq.
The Goldstein Environmental Law Firm, P.A. ("Client")
2100 Ponce de Leon Blvd, St 710
Coral Gables, FL 33134

Reference: **LIMITED GROUNDWATER ASSESSMENT**
Northern 10 Acres of Former Southern Crop Services Site
8778 West Atlantic Avenue
Delray Beach, Palm Beach County, Florida 33446
UES Project No. 0640.2100087.0000
UES Report No. 1890334

Dear Ms. Duchene:

On behalf of The Goldstein Environmental Law Firm, P.A. ("Client") (the "client"), Universal Engineering Sciences, Inc. (UES) has completed this Limited Groundwater Assessment (LGA) for the above-referenced property (the "subject property"). The purpose of this assessment was to collect additional groundwater samples and provide supplemental analytical results to the February 15, 2019, Groundwater Sampling Report prepared by APTIM.

UES appreciates this opportunity to provide environmental services to you and we look forward to future endeavors. If you have any comments or questions regarding the information contained within this report or if we can be of further service, please contact the undersigned.

Respectfully submitted,
Universal Engineering Sciences, Inc.

Jeremy Ally
Environmental Scientist
jally@universalengineering.com

Brett C. Hensley
Environmental Department Manager
bhensley@universalengineering.com

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1.0 INTRODUCTION

Universal Engineering Sciences, Inc. (UES) was retained by The Goldstein Environmental Law Firm, P.A. ("Client") (the "client") to conduct a Limited Groundwater Assessment (LGA) at Northern 10 Acres of Former Southern Crop Services Site (the "subject property"), located at 8778 West Atlantic Avenue in Delray Beach, Palm Beach County, Florida 33446. At the time of the assessment, the subject property was vacant and undeveloped. Please refer to the United States Geological Survey (USGS) Topographic Map (Site Location Map), presented as Figure A-1.

The purpose of this assessment was to collect additional groundwater samples and provide supplemental analytical results to the February 15, 2019, Groundwater Sampling Report prepared by APTIM.

2.0 LIMITING CONDITIONS AND RELIANCE

2.1 LIMITATIONS AND EXCEPTIONS

The findings of this report represent our professional judgment; UES offers or extends no warranty, expressed or implied. These findings are current with the dates of our site work and the information cited herein. The conclusions presented are based on the data provided, observations, and conditions that existed on the date of the on-site activities. This report should not be relied upon to represent property conditions on other dates or at locations other than those specifically cited within the report. UES can accept no responsibility for interpretations of these data made by other parties.

No Environmental Site Assessment (ESA) can eliminate all uncertainty. Furthermore, any sample, either surface or subsurface, taken for chemical analysis may or may not be representative of a larger population. Professional judgment and interpretation are inherent in the process and uncertainty is inevitable. Additional assessment may be able to reduce uncertainty.

Even when an ESA is performed with an appropriate site-specific standard of care, certain conditions present especially difficult detection problems. Such conditions may include, but are not limited to, complex geological settings, the fate and transport characteristics of certain hazardous substances and

petroleum products, the distribution of existing contamination, physical limitation imposed by the location of utilities and other man-made objects, and the limitation of assessment technologies. Phase II ESAs do not generally require an exhaustive assessment of environmental conditions on a property. If hazardous substances or petroleum products are confirmed on a parcel of property, the extent of further assessment is related to the degree of uncertainty that is acceptable to the user with respect to the real estate transaction.

In expressing the opinions stated in this report, UES has exercised the degree of skill and care ordinarily exercised by a reputable and competent environmental professional in the same area and time frame given the same facts and circumstances. Documentation and data provided by the Client or other interested parties, or from the public domain, and referred to in the preparation of this assessment, have been used and referenced with the understanding that UES assumes no responsibility or liability for their accuracy. The information contained in this report, including its conclusions, is based on the information that was made available to UES during the assessment and upon the services described that were performed. Because the report is based on available information, some of its conclusions could be different if the information upon which it is based is determined to be false, inaccurate, or contradicted by additional information.

2.2 USER RELIANCE

This report is intended for the sole use of The Goldstein Environmental Law Firm, P.A. ("Client"). Its contents may not be relied upon by other parties for any purpose without the express written consent of UES. UES is not responsible for conclusions drawn by others upon review of the enclosed report. This is not a statement of suitability of the property for any use or purpose. This assessment was conducted in accordance with the Professional Services Agreement (PSA) executed between The Goldstein Environmental Law Firm, P.A. ("Client").

3.0 GROUNDWATER QUALITY ASSESSMENT

3.1 GROUNDWATER MONITORING WELL INSTALLATION

On June 18, 2021, as part of the pre-work reconnaissance, UES mobilized to the site to investigate monitoring well locations and conditions at the subject property. During the site visit, monitoring wells MW-001, MW-002D, MW-003, MW-004D, MW-005 were located and measured for groundwater

elevation. Monitoring wells MW-006D, MW-007, MW-008D, MW-009, MW-010, and MW-SW14 were not located during the assessment. The area was heavily overgrown, and visibility was limited.

On July 6, 2021, UES mobilized to the site to locate the remainder of the monitoring wells via a magnetic locator. During the mobilization, it was discovered that monitoring wells MW-003 and MW-004D were destroyed during land clearing activities. Additionally, MW-006D, MW-007, MW-008D, MW-009, MW-010, and MW-SW14 were not located. At this time UES determined a replacement well for MW-006D would be required to perform the required sampling.

On July 13, 2021, prior to the monitoring well installation activities, UES observed additional land clearing activities which resulted in the removal of material surrounding the suspected area of MW-006D and MW-007. Both monitoring wells were located and observed destroyed from the land clearing activities. One (1) intermediate monitoring well was installed in the vicinity of former monitoring well MW-006D, designated MW-006D-R. The intermediate monitoring well was advanced to a depth of approximately 35 feet bls and installed with 5 feet of 1-inch PVC machine slotted 0.010 screen with the appropriate length of 1-inch PVC riser. Following the installation, the well was developed by purging until it was free and clear of any residual sediment.

The monitoring well locations are illustrated on the Monitoring Well Location Plan provided as Figure A-2. Well Completion and Development Logs are presented in **Appendix A**

3.2 GROUNDWATER SAMPLING AND COLLECTION METHODOLOGY

Prior to sample collection, the monitoring wells were purged until pH, conductivity, temperature, dissolved oxygen, and turbidity measurements achieved stabilization criteria for range of variation of last three consecutive readings. Purging activities ceased when the field parameters stabilized, according to SOP 001/01 FS-2213. Two (2) groundwater samples were collected on July 15, 2021, from MW-001 and MW-006D-R into laboratory-supplied containers and placed in a cooler on ice. The groundwater samples were submitted to Pace Analytical Services, LLC, a NELAC-accredited laboratory for analysis of Organochlorine Pesticides (OCPs) by EPA Method 8081. Only α -BHC and β -BHC at MW-001 and Dieldrin at MW-006D-R were reported.

The groundwater sampling logs presented in **Appendix B**.

3.3 GROUNDWATER ELEVATION AND FLOW DIRECTION

On July 15 and July 26, 2021, static groundwater level measurements were collected from groundwater monitoring wells MW-001, MW-002D, MW-005, and MW-006D-R. Groundwater elevations from the monitoring wells were used to estimate the onsite groundwater flow direction within the upper-most portion of the aquifer. Based on the data obtained, the apparent groundwater elevation is relatively flat and further assessment was deemed necessary to conclude groundwater flow direction, to include completing and recording the top of casing survey of MW-006D-R. On July 26, 2021, UES recorded the top of casing (TOC) for MW-006D-R (16.79 Elevation). Based on the recorded TOC for MW-006D-R and measurements recorded on July 26, 2021, groundwater gradient is relatively flat consistent with the previous assessment performed by APTIM in 2019.

The July 26, 2021 groundwater elevation and flow direction data are expressed graphically on Figure A-3 and in tabular format on Table 1.

4.0 FINDINGS

4.1 GROUNDWATER ASSESSMENT RESULTS

The July 2021 groundwater analytical results indicated α -BHC and β -BHC concentrations at MW-001 were detected above the applicable FDEP Groundwater Cleanup Target Levels (GCTLs) as per Chapter 62-777 FAC. MW-001 exhibited α -BHC and β -BHC concentrations of 0.0076 micrograms per liter ($\mu\text{g/L}$) and 0.05 $\mu\text{g/L}$, respectively. These concentrations are in exceedance of the FDEP GCTLs for α -BHC and β -BHC of 0.006 $\mu\text{g/L}$ and 0.02 $\mu\text{g/L}$, respectively. The January 2019 analytical results indicated α -BHC and β -BHC concentrations at MW-001 of 0.011 $\mu\text{g/L}$ and 0.057 $\mu\text{g/L}$, respectively. From the January 2019 sampling event to the July 2021 sampling, the α -BHC concentration at MW-001 decreased and the β -BHC concentration remained relatively stable.

The July 2021 groundwater analytical results indicated the Dieldrin concentration at MW-006D-R was detected above the applicable FDEP GCTLs as per Chapter 62-777 FAC. MW-006D-R exhibited a Dieldrin concentration of 0.016 $\mu\text{g/L}$. This concentration is in exceedance of the FDEP GCTLs for Dieldrin of 0.002 $\mu\text{g/L}$. The January 2019 analytical results indicated a Dieldrin concentration at MW-006D-R of

0.013 µg/L. From the January 2019 sampling event to the July 2021 sampling, the Dieldrin concentration at MW-006D-R remained relatively stable.

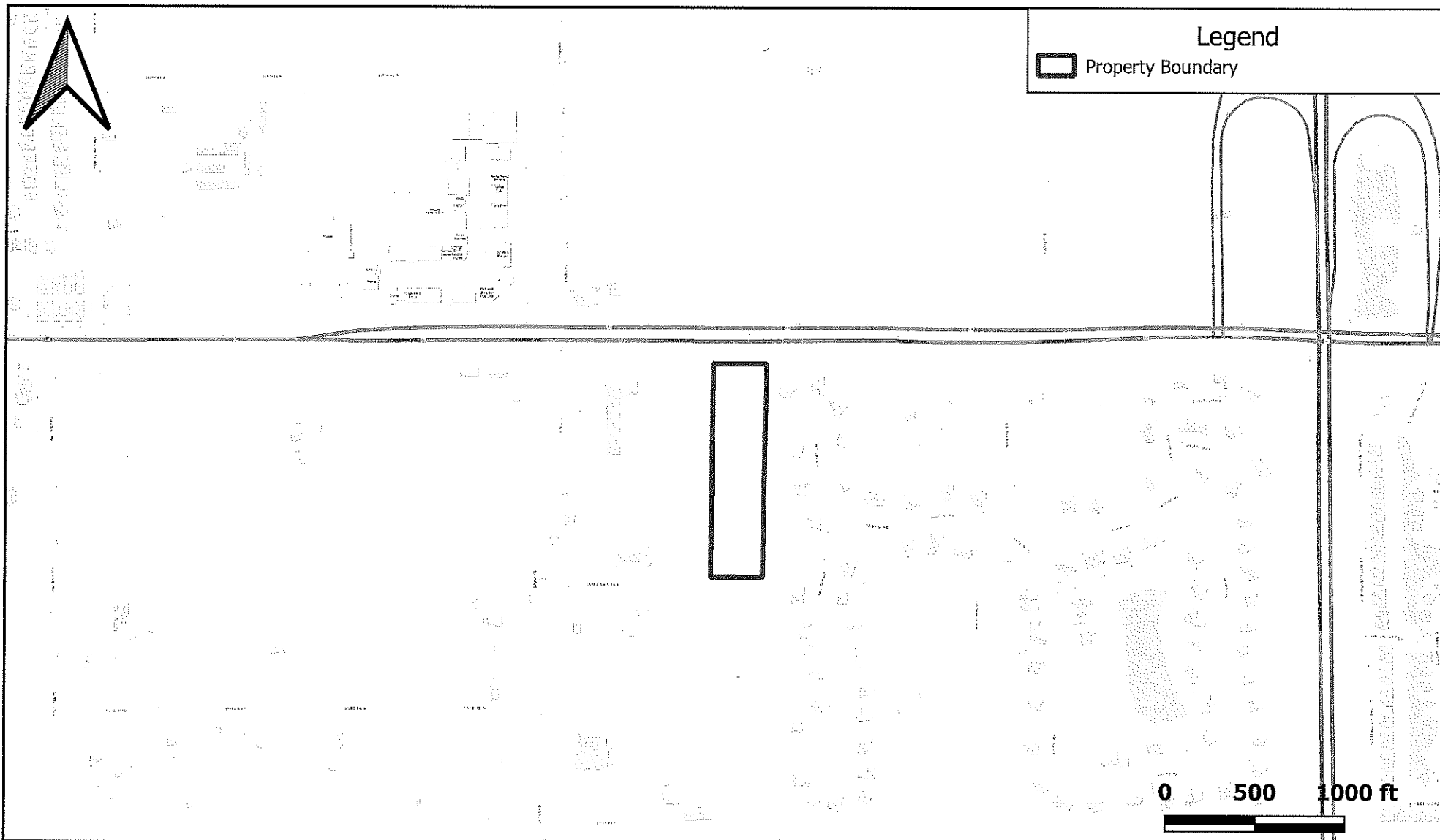
The groundwater analytical data is expressed graphically on Figure A-4 and in tabular format on Table 2. The groundwater laboratory analytical report and associated chain-of-custody documentation is presented in **Appendix C**.

5.0 CONCLUSIONS

A Limited Groundwater Assessment was performed at the Northern 10 Acres of Former Southern Crop Services Site, located at 8778 West Atlantic Avenue in Delray Beach, Palm Beach County, Florida 33446. The purpose of this assessment was to collect additional groundwater analytical results and provide supplemental results to the February 15, 2019, Groundwater Sampling Report prepared by APTIM. According to the July 2021 laboratory analytical results, concentrations of α -BHC and β -BHC at MW-001 and Dieldrin at MW-006D-R appeared stable or decreasing when compared to the January 17, 2019 analytical results.

FIGURES





USGS Site Location Plan
Northern 10 Acres of Former Southern Crop Services Site
8778 West Atlantic Avenue
Delray Beach, Palm Beach County, Florida 33446

UES Project No. 0640.2100087.0000, Drawn By: JA

Figure A-1

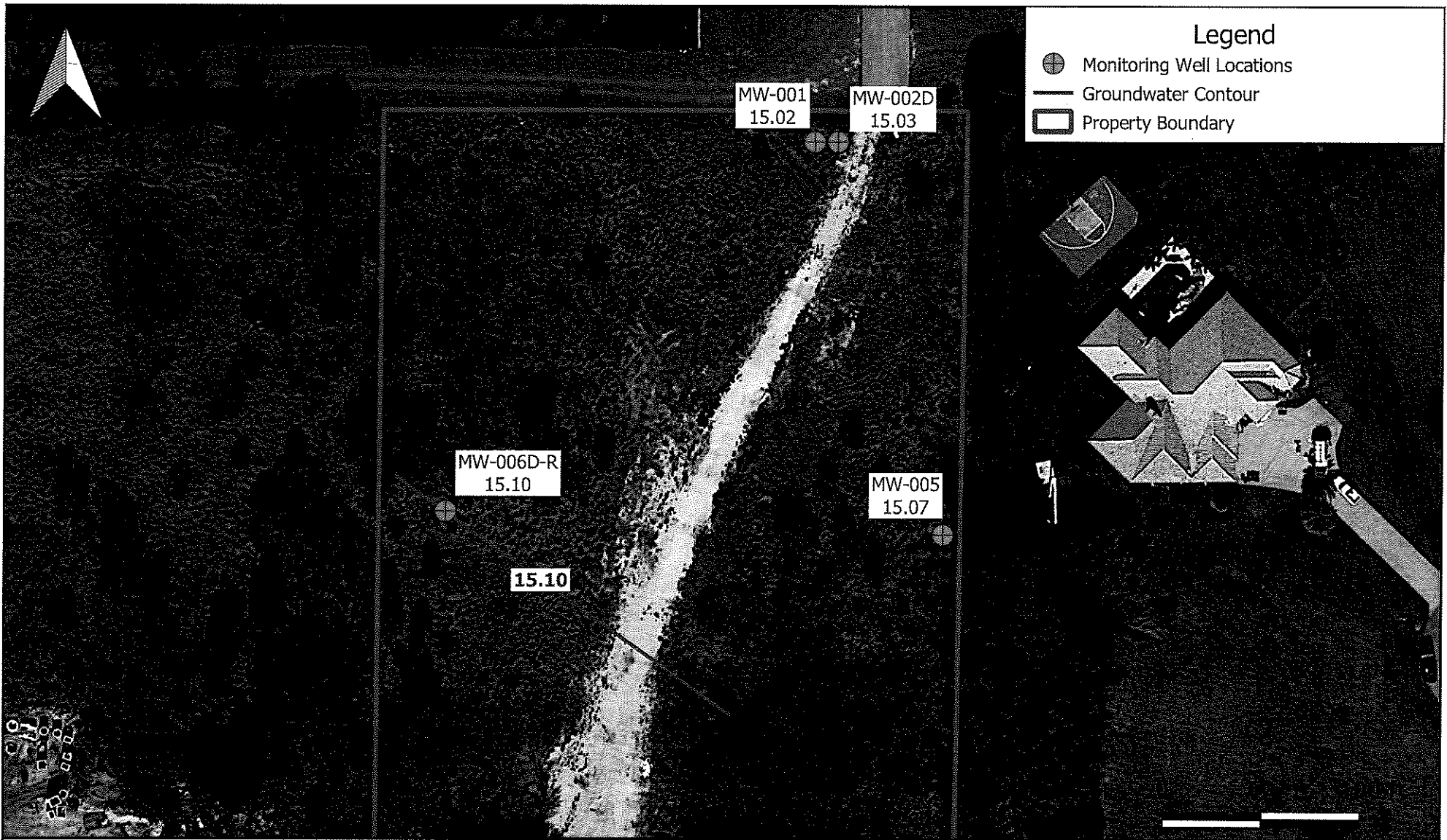


Monitoring Well Location Map
 Northern 10 Acres of Former Southern Crop Services Site
 8778 West Atlantic Avenue
 Delray Beach, Palm Beach County, Florida 33446

UES Project No. 0640.2100087.0000, Drawn By: JA

Figure A-2





Groundwater Elevation & Flow Direction - July 26, 2012
 Northern 10 Acres of Former Southern Crop Services Site
 8778 West Atlantic Avenue
 Delray Beach, Palm Beach County, Florida 33446



UES Project No. 0640.2100087.0000, Drawn By: JA

Figure A-3



Groundwater Quality Data Map
 Northern 10 Acres of Former Southern Crop Services Site
 8778 West Atlantic Avenue
 Delray Beach, Palm Beach County, Florida 33446

UES Project No. 0640.2100087.0000, Drawn By: JA

Figure 3

TABLES

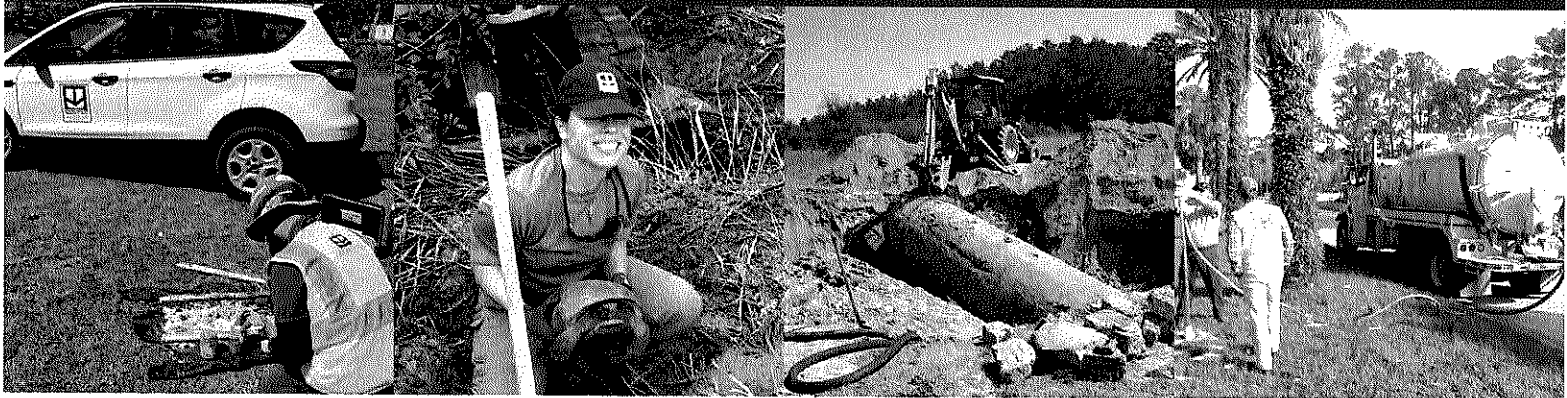


TABLE 1: MONITORING WELL CONSTRUCTION DATA

**Northern 10 Acres of Former Southern Crop Services Site
8778 West Atlantic Avenue
Delray Beach, Palm Beach County, Florida 33446**

WELL ID.	MW-001		MW-002D		MW-005		MW-006D-R	
DIAMETER (inches)	1		1		1		1	
WELL DEPTH (ft.)	12		35		12		35	
SCREEN INTERVAL (ft.)	2 to 12		25 to 30		2 to 12		30 to 35	
TOC ELEVATION (ft.)	18.60		18.65		17.73		16.79	
DATE	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
7/15/2021	3.83	14.77	3.87	14.78	2.91	14.82	1.83	14.96
7/26/2021	3.58	15.02	3.62	15.03	2.66	15.07	1.69	15.10

Notes:

TOC = Top of Casing elevation relative to site specific benchmark

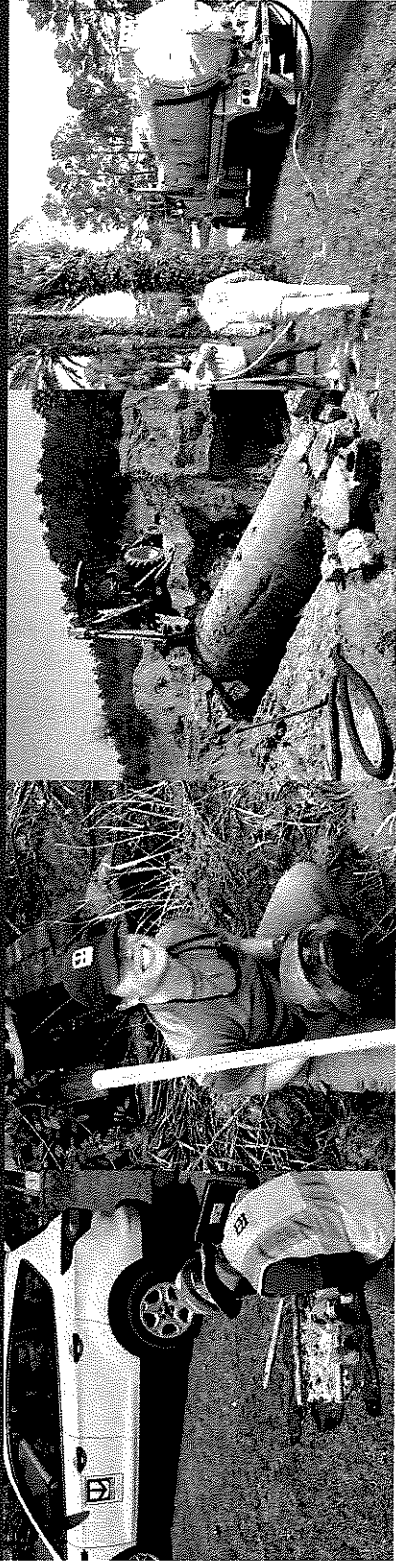
**Table 2: Summary of Groundwater Analytical Results
Northern 10 Acres of Former Southern Crop Services Site
8778 West Atlantic Avenue
Delray Beach, Palm Beach County, Florida 33446**

Method/ Analyzed Parameter	Table I, Ch. 62-777, FAC Groundwater Cleanup Target Levels	Table V, Ch. 62-777, FAC Natural Attenuation Default Source Concentrations	Units	MW-001		MW-006D-R	
				1/17/2019	7/15/2021	1/17/2019	7/15/2021
EPA 8081							
Dieldrin	0.002	0.2	ug/L	N/A	N/A	0.013 I	0.016
alpha-BHC	0.006	0.6	ug/L	0.011 I	0.0076 I	N/A	N/A
beta-BHC	0.02	2	ug/L	0.057	0.05	N/A	N/A

Notes:

- "U" flag indicates concentration was below the method detection limit (MDL).
- "I" flag indicates concentration was between the MDL and practical quantitation limit (PQL).
- N/A denotes analyte note requested.

APPENDIX A



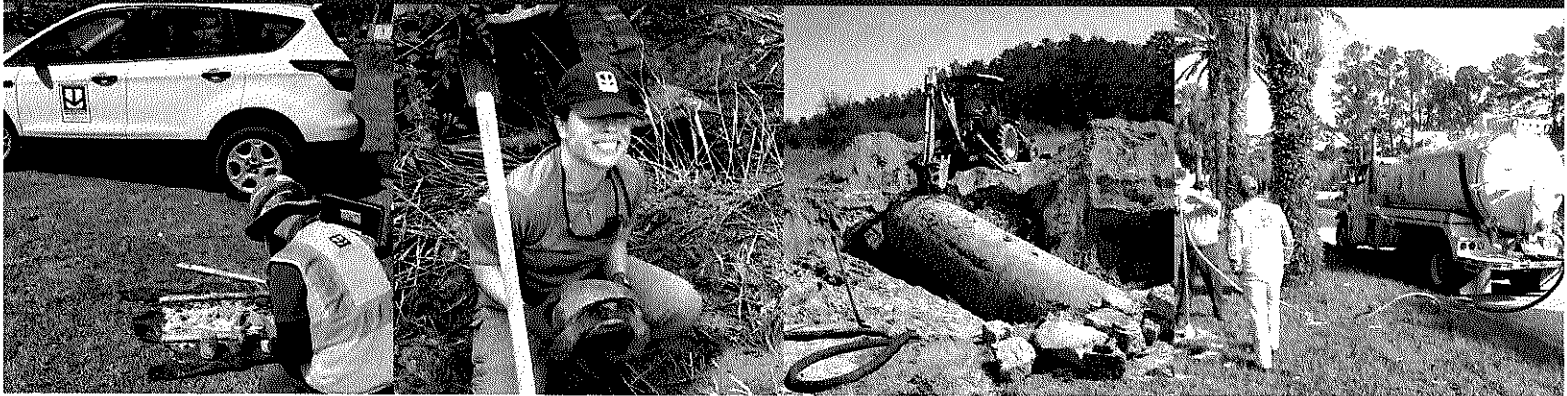
WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MW-006D-R		Site Name: Northern 10 Acres of Former SCS Property		FDEP Facility I.D. Number:	Well Install Date(s): 7/6/21
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input type="checkbox"/> Shallow (Water-Table) Monitoring <input checked="" type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: DP	
If AG, list feet of riser above land surface:				Surface Casing Install Method: DP	
Borehole Depth (feet): 36	Well Depth (feet): 35	Borehole Diameter (inches): 4	Manhole Diameter (inches): 8	Well Pad Size: 1 feet by 1 feet	
Riser Diameter and Material: PVC		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)		Riser Length: 30 feet from 0 feet to 30 feet	
Screen Diameter and Material: PVC		Screen Slot Size: 0.010		Screen Length: 5 feet from 30 feet to 35 feet	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from 0 feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet	
Filter Pack Material and Size: 20/20 Silica Sand		Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Filter Pack Length: 6 feet from 29 feet to 35 feet	
Filter Pack Seal Material and Size:		20/20 Silica Sand		Filter Pack Seal Length: 28 feet from 1 feet to 29 feet	
Surface Seal Material:		Grout		Surface Seal Length: 1 feet from 0 feet to 1 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 07/06/21		Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)	
Development Pump Type (check): <input type="checkbox"/> Centrifugal <input checked="" type="checkbox"/> Peristaltic <input type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): 6.70	
Pumping Rate (gallons per minute): 0.25		Maximum Drawdown of Groundwater During Development (feet): 6.81	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): 5.0	Development Duration (minutes): 20	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: Cloudy, No Odor		Water Appearance (color and odor) At End of Development: Clear, No Odor	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

APPENDIX B



DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: <u>Southern Coop</u>	SITE LOCATION:
WELL NO: <u>MW006D-R</u>	SAMPLE ID: <u>MW006D-R</u> DATE: <u>7/15/2021</u>

PURGING DATA

WELL DIAMETER (inches): <u>1</u>	TUBING DIAMETER (inches): <u>3/8</u>	WELL SCREEN INTERVAL DEPTH: <u>30</u> feet to <u>35</u> feet	STATIC DEPTH TO WATER (feet): <u>1.83</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (<u>35</u> feet - <u>1.83</u> feet) X <u>0.04</u> gallons/foot = <u>1.33</u> gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = <u>0.0</u> (gallons) + (<u>0.006</u> gallons/foot X <u>32.5</u> feet) + <u>0.25</u> gallons = <u>0.46</u> gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>32.5</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>32.5</u>	PURGING INITIATED AT: <u>9:30</u>	PURGING ENDED AT: <u>9:51</u>	TOTAL VOLUME PURGED (gallons): <u>4.2</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $(\mu\text{S/cm})$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:35	1.0	1.0	0.2	1.85	7.05	25.30	485	0.98	62.3	Clear	Sulfur
9:40	1.0	2.0	0.2	1.85	7.20	25.27	480	0.85	26.4	Clear	Sulfur
9:45	1.0	3.0	0.2	1.85	7.08	25.25	472	0.73	15.5	Clear	Sulfur
9:48	0.6	3.6	0.2	1.85	7.10	26.25	469	0.68	14.1	Clear	Sulfur
9:51	0.6	4.2	0.2	1.85	7.10	25.37	466	0.60	11.7	Clear	Sulfur

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 6.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Jenna Masten / UES</u>				SAMPLER(S) SIGNATURE(S): <u>Jenna Masten</u>				SAMPLING INITIATED AT: <u>9:52</u>		SAMPLING ENDED AT: <u>9:55</u>	
PUMP OR TUBING DEPTH IN WELL (feet): <u>32.5</u>				TUBING MATERIAL CODE: <u>LDPE</u>				FIELD-FILTERED: Y <input checked="" type="checkbox"/> (N)		FILTER SIZE: <u> </u> μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> (N)				TUBING Y <input checked="" type="checkbox"/> (replaced)				DUPLICATE: Y <input checked="" type="checkbox"/> (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW006D-R</u>	<u>1</u>	<u>AG</u>	<u>1L</u>	<u>Ice</u>	<u>-</u>	<u>-</u>	<u>OCP</u>	<u>APP</u>	<u>400</u>

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: <u>Southern Crop</u>	SITE LOCATION:
WELL NO: <u>MW-001</u>	SAMPLE ID: <u>MW001</u> DATE: <u>7/15/2021</u>

PURGING DATA

WELL DIAMETER (inches): <u>1</u>	TUBING DIAMETER (inches): <u>3/8</u>	WELL SCREEN INTERVAL DEPTH: <u>2</u> feet to <u>12</u> feet	STATIC DEPTH TO WATER (feet): <u>3.83</u>	PURGE PUMP TYPE OR BAILER: <u>PP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>12</u> feet - <u>3.83</u> feet X <u>0.04</u> gallons/foot = <u>0.33</u> gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>6</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>6</u>	PURGING INITIATED AT: <u>10:13</u>	PURGING ENDED AT: <u>10:27</u>	TOTAL VOLUME PURGED (gallons): <u>2.8</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<u>10:18</u>	<u>1.0</u>	<u>1.0</u>	<u>0.2</u>	<u>3.85</u>	<u>7.12</u>	<u>28.07</u>	<u>461</u>	<u>0.46</u>	<u>7.33</u>	<u>Clear</u>	<u>None</u>
<u>10:21</u>	<u>0.6</u>	<u>1.6</u>	<u>0.2</u>	<u>3.85</u>	<u>7.14</u>	<u>28.15</u>	<u>462</u>	<u>0.42</u>	<u>5.80</u>	<u>Clear</u>	<u>None</u>
<u>10:24</u>	<u>0.6</u>	<u>2.2</u>	<u>0.2</u>	<u>3.85</u>	<u>7.10</u>	<u>28.15</u>	<u>463</u>	<u>0.40</u>	<u>1.86</u>	<u>Clear</u>	<u>None</u>
<u>10:27</u>	<u>0.6</u>	<u>2.8</u>	<u>0.2</u>	<u>3.85</u>	<u>7.10</u>	<u>28.10</u>	<u>464</u>	<u>0.39</u>	<u>1.58</u>	<u>Clear</u>	<u>None</u>

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Jenna Marten / UFS</u>			SAMPLER(S) SIGNATURE(S): <u>Jenna Marten</u>			SAMPLING INITIATED AT: <u>10:28</u>		SAMPLING ENDED AT: <u>10:31</u>	
PUMP OR TUBING DEPTH IN WELL (feet): <u>6</u>			TUBING MATERIAL CODE: <u>LDPE</u>			FIELD-FILTERED: Y <input checked="" type="checkbox"/> (N)		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> (N)			TUBING Y <input checked="" type="checkbox"/> (N) (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW001</u>	<u>1</u>	<u>AG</u>	<u>1L</u>	<u>ICE</u>	<u>-</u>	<u>-</u>	<u>OCF</u>	<u>APP</u>	<u>400</u>

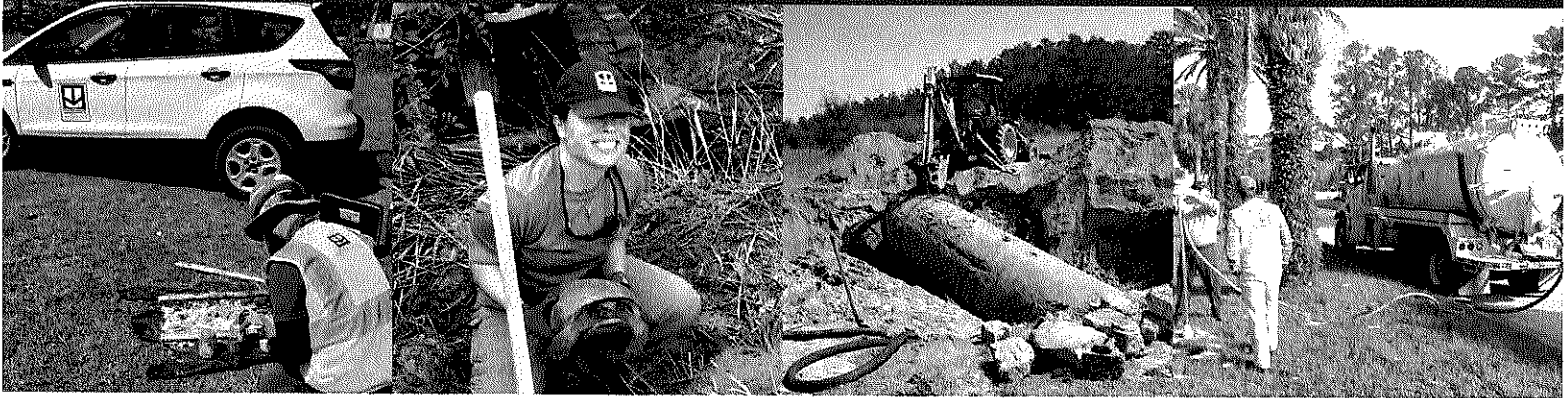
REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

APPENDIX C



July 20, 2021

Jonathan Bulley
GFA International, Inc.
1215 Wallace Drive
Delray Beach, FL 33444

RE: Project: Southern Crop Services
Pace Project No.: 35648165

Dear Jonathan Bulley:

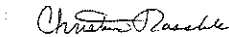
Enclosed are the analytical results for sample(s) received by the laboratory on July 16, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christina Raschke
christina.raschke@pacelabs.com
(954)582-4300
Project Manager

Enclosures

cc: Jeremy Ally, GFA International, Inc
Brett Hensley, Universal Engineering Sciences Company
Fred Kaub, GFA International, Inc.
Samuel Perez, GFA International, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Southern Crop Services
Pace Project No.: 35648165

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236

Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Southern Crop Services
Pace Project No.: 35648165

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35648165001	MW-001	Water	07/15/21 10:28	07/16/21 14:00
35648165002	MW-006D-R	Water	07/15/21 09:52	07/16/21 14:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Southern Crop Services
Pace Project No.: 35648165

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35648165001	MW-001	EPA 8081	BLM	4	PASI-O
35648165002	MW-006D-R	EPA 8081	BLM	3	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Southern Crop Services
 Pace Project No.: 35648165

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35648165001	MW-001					
EPA 8081	alpha-BHC	0.0076	ug/L	0.0096	07/19/21 09:11	1p
EPA 8081	beta-BHC	0.050	ug/L	0.029	07/19/21 09:11	1p
35648165002	MW-006D-R					
EPA 8081	Dieldrin	0.016	ug/L	0.0095	07/19/21 09:27	1p

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Southern Crop Services
Pace Project No.: 35648165

Sample: MW-001 Lab ID: 35648165001 Collected: 07/15/21 10:28 Received: 07/16/21 14:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides		Analytical Method: EPA 8081 Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach							
alpha-BHC	0.0076 I	ug/L	0.0096	0.0020	1	07/17/21 06:30	07/19/21 09:11	319-84-6	1p
beta-BHC	0.050	ug/L	0.029	0.019	1	07/17/21 06:30	07/19/21 09:11	319-85-7	1p
Surrogates									
Tetrachloro-m-xylene (S)	93	%	27-124		1	07/17/21 06:30	07/19/21 09:11	877-09-8	
Decachlorobiphenyl (S)	87	%	10-132		1	07/17/21 06:30	07/19/21 09:11	2051-24-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Southern Crop Services
Pace Project No.: 35648165

Sample: MW-006D-R Lab ID: 35648165002 Collected: 07/15/21 09:52 Received: 07/16/21 14:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510 Pace Analytical Services - Ormond Beach								
Dieldrin	0.016	ug/L	0.0095	0.0019	1	07/17/21 06:30	07/19/21 09:27	60-57-1	1p
Surrogates									
Tetrachloro-m-xylene (S)	66	%	27-124		1	07/17/21 06:30	07/19/21 09:27	877-09-8	
Decachlorobiphenyl (S)	57	%	10-132		1	07/17/21 06:30	07/19/21 09:27	2051-24-3	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Southern Crop Services
Pace Project No.: 35648165

QC Batch: 746212	Analysis Method: EPA 8081
QC Batch Method: EPA 3510	Analysis Description: 8081 GCS Pesticides
	Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35648165001, 35648165002

METHOD BLANK: 4074505 Matrix: Water

Associated Lab Samples: 35648165001, 35648165002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
alpha-BHC	ug/L	0.0021 U	0.010	0.0021	07/18/21 16:44	
beta-BHC	ug/L	0.020 U	0.030	0.020	07/18/21 16:44	
Dieldrin	ug/L	0.0020 U	0.010	0.0020	07/18/21 16:44	
Decachlorobiphenyl (S)	%	74	10-132		07/18/21 16:44	
Tetrachloro-m-xylene (S)	%	99	27-124		07/18/21 16:44	

LABORATORY CONTROL SAMPLE & LCSD: 4074506

4074541

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
alpha-BHC	ug/L	0.5	0.55	0.53	109	105	53-126	4	40	
beta-BHC	ug/L	0.5	0.62	0.52	123	104	62-130	17	40	
Dieldrin	ug/L	0.5	0.55	0.53	110	106	66-128	3	40	
Decachlorobiphenyl (S)	%				79	83	10-132			
Tetrachloro-m-xylene (S)	%				96	97	27-124			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Southern Crop Services
Pace Project No.: 35648165

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 746212

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U Compound was analyzed for but not detected.
1p A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Southern Crop Services
Pace Project No.: 35648165

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35648165001	MW-001	EPA 3510	746212	EPA 8081	746346
35648165002	MW-006D-R	EPA 3510	746212	EPA 8081	746346

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 13

Document Revised:
May 30, 2018
Issuing Authority:
Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO#: 35648165
PM: CTR
Due Date: 07/20/21
CLIENT: 36-UESLW

Date and Initials of person:
Examining contents: TPB
Label: _____
Deliver: _____
pH: _____

Thermometer Used: T-387 Date: 7/16/21 326 Initials: blw

State of Origin: _____ For WV projects, all containers verified to ± 6 °C

Cooler #1 Temp. °C 2.9 (Visual) -0.3 (Correction Factor) 2.6 (Actual) Samples on ice, cooling process has begun

Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Shipping Method: First Overnight Priority Overnight Standard Overnight Ground International Priority
 Other _____

Billing: Recipient Sender Third Party Credit Card Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: Yes No Seals Intact: Yes No Ice: Wet Blue Dry None

Packing Material: Bubble Wrap Bubble Bags None Other _____

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

		Comments:
Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>YK HR</u>
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution:
Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____ Date: _____



Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 13

Document Revised:
May 30, 2018
Issuing Authority:
Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # W0# : 35648165
Project Manager: PM: CTR **Due Date:** 07/20/21
Client: CLIENT: 36-UESLW

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver: _____
pH: _____

Thermometer Used: T3K2 **Date:** 7/16/21 **Time:** 1400 **Initials:** EM

State of Origin: _____ For WW projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 39 (Visual) OK (Correction Factor) 4.0 (Actual) Samples on ice, cooling process has begun
Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____
Shipping Method: First Overnight Priority Overnight Standard Overnight Ground International Priority
 Other _____
Billing: Recipient Sender Third Party Credit Card Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: Yes No **Seals intact:** Yes No **Ice:** Wet Blue Dry None
Packing Material: Bubble Wrap Bubble Bags None Other _____
Samples shorted to lab (If Yes, complete) **Shorted Date:** _____ **Shorted Time:** _____ **Qty:** _____

		Comments:
Chain of Custody Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>4.2 hr</u>
Sufficient Volume	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials? (>8mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution:
Person Contacted: _____ **Date/Time:** _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____ **Date:** _____



SUPPLEMENTAL SOIL ASSESSMENT REPORT

Southern Crop Services

8778 West Atlantic Avenue

Delray Beach, Palm Beach County, Florida 33446

ERIC_3826, FDEP HWC No. 53

Project No. 631231293

April 12, 2018

Prepared for:

Florida Department of Environmental Protection
Hazardous Waste Cleanup Section
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Prepared by:

Aptim Environmental & Infrastructure
725 US Highway 301 South
Tampa, Florida 33619-4349

PROFESSIONAL CERTIFICATION

PROFESSIONAL GEOLOGIST LICENSED IN THE STATE OF FLORIDA

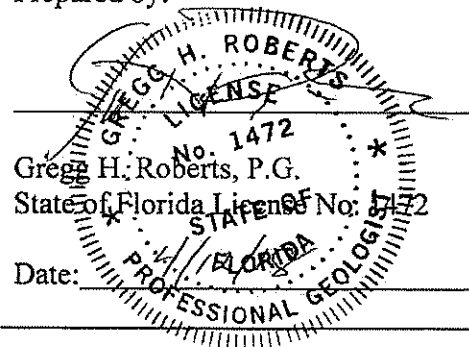
For

SUPPLEMENTAL SOIL ASSESSMENT REPORT

Southern Crop Services
8778 West Atlantic Avenue
Delray Beach, Palm Beach County, Florida 33446
ERIC_3826, FDEP HWC No. 53

I hereby certify that, in my professional judgment, the geologic and hydrogeologic components of this document satisfy the requirements set forth in Chapter 492, Florida Statutes and Chapter 21DD, Rules of the Florida Department of Business and Professional Regulation. I have prepared and/or reviewed the components performed under my supervision.

Prepared by:

A circular professional seal for Gregg H. Roberts, a Professional Geologist in the State of Florida. The seal contains the text: "GREGG H. ROBERTS", "LICENSE", "No. 1472", "State of Florida License No. 1472", "FLORIDA", and "PROFESSIONAL GEOLOGIST". There are two small stars on either side of the word "STATE".

Gregg H. Roberts, P.G.
State of Florida License No. 1472

Date:

Reviewed by:

Eric K. Kramer

Eric K. Kramer, P.E.
Program Manager

Date: 4/12/18

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List of Acronyms and Abbreviations

AGR	Agricultural Reserve
AGR PUD	Agricultural Reserve Planned Unit Development
APTIM	Aptim Environmental & Infrastructure, Inc.
bls	below land surface
CA	Contamination Assessment
DOT	Department of Transportation
E&E	Ecology and Environment
ECA	Environmental Contamination Assessment
EPA	Environmental Protection Agency
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FDER	Florida Department of Environmental Regulation
ft	foot or feet
GCTLs	Groundwater Cleanup Target Levels
HRS	Health and Rehabilitative Services
IRM	Interim Remedial Action
ISR	Interim Source Removal
MDL	method detection limit
mg/kg	milligrams per kilogram
µg/L	micrograms per liter
NELAC	National Environmental Laboratory Accreditation Conference
NPL	National Priorities List
PEC	Probable Effect Concentrations
PQL	practical quantitation limit
QA/QC	quality assurance/quality control
RAP	Remedial Action Plan
ROW	Right-of-Way
SCS	Southern Crop Services
SCTLs	Soil Cleanup Target Levels
SOP	Standard Operating Procedures
SQAG	Sediment Quality Assessment Guidelines
SSAR	Supplemental Soil Assessment Report
TEC	Threshold Effect Concentrations
TestAmerica	TestAmerica Laboratories, Inc.
USGS	United States Geological Survey

1.0 Introduction

The following Supplemental Soil Assessment Report (SSAR) was prepared by Aptim Environmental & Infrastructure, Inc. (APTIM), on behalf of the Florida Department of Environmental Protection (FDEP) Bureau of Waste Cleanup Section. The FDEP contracted APTIM to continue the soil investigation at the former Southern Crop Services (SCS) facility in Delray Beach, Palm Beach County, Florida, as funded under the FDEP State-Funded Cleanup Program Task Assignment HW005H. The site was added to the State Hazardous Waste Sites List for state-funded cleanup in August 1985.

The overall objective of this investigation was to further assess the extent of known soil contamination near the southwest corner of the former SCS facility property as a result of former site operations, past use of the property and previous sample results. SCS was an agricultural chemical contractor that performed the aerial application of pesticides, fungicides, fertilizers, and herbicides from the site of approximately 19.6 acres.

The location is displayed on the United States Geological Survey (USGS) Delray Beach, Florida Quadrangle Topographic Map (**Figure 1**). The map, prepared in 1999, shows the site and surrounding area as primarily flat, at an approximate elevation of 20 feet (ft) above sea level. The property is located approximately 8 miles west of the Atlantic Ocean and 2.5 miles east of the Loxahatchee National Wildlife Refuge.

The property is surrounded by residential and commercial properties. The entire length of the eastern property boundary is adjacent to a residential community. A constructed surface water impoundment, which is nearly 1,500 ft in length, is located at the central portion of the boundary within the residential community. To the north, the SCS property is bounded by the Lake Worth Drainage District L-34 Canal and further to the north, Atlantic Avenue. To the south, the property is bounded by the L-35 Canal, which is also maintained by the Lake Worth Drainage District. To the west, the property is bounded by a long thin property, approximately 25 ft wide, which is owned by S. A. Tarr. Beyond this property are a vacant and commercial properties.

According to Palm Beach County Property Appraiser records, the property is located at 8778 West Atlantic Avenue in Delray Beach, Florida. Atlantic Avenue is also known as County Road 806 in Palm Beach County where the site is located. The site is located in the northwest quarter of Section 20, Township 46 South, Range 42 East. The only two remaining structures on the property were demolished in November 2010, due to construction in the Lake Worth Drainage District

right-of-way (ROW). Since that time, the site has been vacant and mostly overgrown with vegetation.

Also according to Palm Beach County Property Appraisers records, the SCS property is divided into two parcels. The northernmost portion consists of approximately three-quarters of the SCS site and totals 14.6 acres. This parcel is listed as Parcel No. 00424620010000130 and is owned by US Landvest Corp. The southernmost quarter of the site, consisting of 5 acres, is listed as Parcel No. 00424620010000520 and owned by Landco IV, Inc. On October 4, 2016, the Clerk of the Board of County Commissioners filed an approved resolution to rezone the two parcels from Agricultural Reserve (AGR) to Agricultural Reserve Planned Unit Development (AGR PUD). The northern parcel is listed as the Sussman AGR PUD Preserve 9 and the southern parcel is listed as Sussman AGR PUD Preserve 8. The AGR PUD designation limits the two parcels to a list of permitted uses, which generally includes only agricultural, open space, or wetlands and water preserves.

Figure 2 represents the current layout of the SCS property. The SCS properties can only be accessed from Atlantic Avenue. Chain-link fencing extends the entire length of the east side of the property, likely installed by the residential community adjacent to the site along this boundary.

2.0 Site Description and Background

2.1 Site Description

SCS is a former aerial spraying service, which is now a vacant property occupying approximately 19.6 acres on County Road 806 (West Atlantic Avenue) in Delray Beach, Palm Beach County, Florida. The site is located at 26° 27' 11.7300" N, 80° 11' 04.0200" W. The property is overgrown and previously contained an asphalt runway and drainage ditch that traverses the north-south length of the property. The site is located slightly over 0.5 miles west of the Florida Turnpike on Atlantic Avenue in Delray Beach.

As previously stated, the SCS site was the base of operations for the aerial application of agricultural chemicals from the late 1940s until 1992. SCS operated from 1969 until the mid-1980s when King's Aerial Service, Inc. took over the business and property. King's Aerial Service operated until 1992 when operations ceased. Contamination at the site has primarily been reported from the discharge of chemical rinsates from formulation mixing vats and aircraft spraying systems into a disposal lagoon and onto the ground. Other sources of contamination include onsite storage and the disposal of pesticide containers and drums.

In 1977, SCS excavated a shallow lagoon of approximately 100 ft by 50 ft to a depth of 2 ft for the disposal of mixing tank rinsates and discarded chemicals. Prior to that time, it was reported that waste was discharged directly to the ground in the area. Because the unlined disposal lagoon overflowed onto the adjacent property, the Palm Beach County Health Department ordered SCS to cease the lagoon discharges in August 1983.

2.2 Summary of Previous Investigation

In March 1984, SCS retained Hutcheon Engineers, Inc. to conduct a Contamination Assessment (CA) of the site. Although a copy of the Hutcheon report could not be located, a letter from the FDEP to the Palm Beach County Health Department documented the presence of toxaphene, DDT, DDD, parathion, arsenic, zinc, and copper in soils and shallow groundwater from 0 to 10 ft below land surface (bls). As a result of these findings, in 1985, approximately 200 cubic yards of lagoon sediments were excavated by SCS, but due to a lack of financial resources, the remedial action was not completed and the material was stockpiled on site (northeast and southeast of the lagoon). Also in 1985, SCS signed a Consent Order with the Florida Department of Environmental Regulation (FDER) agreeing to sell the property to assist with the payment of the investigation and remedial cleanup costs.

The initial soil samples were collected in December 1984 and reported in a Phase I Ecology and Environment (E&E) Environmental Contamination Assessment (ECA). Summary documents of that report indicated the presence of toxaphene, DDT, parathion, copper, and arsenic in the soil at the site. Records also indicate that toxaphene was the most prevalent contaminant located in the lagoon surface water, lagoon sediments, and groundwater east of the lagoon.

References to the Phase II ECA (July 1987) indicated the assessment included the installation of monitoring wells, a water table elevation survey, additional soil sampling, and soil engineering tests. Furthermore, the report documented that approximately 3,000 cubic yards of soil were contaminated with high levels of toxaphene. Other pesticides were also referenced in high concentrations. Toxaphene contamination was confirmed in an onsite, non-potable supply well that was used for pesticide mixing operations and located near the disposal lagoon. On May 8, 1987, based on these results, the FDER requested that SCS refrain from pumping wells on the property. Also, based on the toxaphene detection, documents indicate that the Palm Beach County Health Department sampled nearby private drinking water wells in June 1987 and January 1988, but did not detect any contaminants.

In August 1987, a site-specific cleanup criteria for toxaphene was established by the FDER and the Florida Department of Health and Rehabilitative Services (HRS) of 50 milligrams per kilogram (mg/kg) for surface soil and 100 mg/kg for subsurface soil. It should be noted that in accordance with Chapter 62-777, Florida Administrative Code (FAC), Contaminant Cleanup Target Levels, the current soil cleanup target level (SCTL) for toxaphene is 0.9 mg/kg for residential direct exposure and 4.5 mg/kg for commercial direct exposure. Additionally, the SCTL for leachability based on groundwater criteria is currently 31 mg/kg.

At the request of FDER, the Environmental Protection Agency (EPA) excavated and stockpiled approximately 4,800 tons of soil and sediment exceeding the site-specific toxaphene cleanup standard of 50 mg/kg from February through March 1988, including the stockpiled lagoon sediment previously excavated by SCS. The contaminated soil was treated on site by a rotary kiln incinerator and returned to the excavation areas. Also, approximately 310,000 gallons of contaminated lagoon water was treated and discharged on site. The EPA interim remedial measure (IRM) was completed in November 1988.

A groundwater study in 1989 included the collection of groundwater samples from existing onsite and two offsite monitoring wells, resulting in the detection of numerous contaminants; however, the data was determined to be questionable since many of the wells appeared to have been tampered with or were otherwise damaged. Replacement wells were reportedly installed during

additional assessment activities in late 1989 and a Contamination Assessment Report was completed in April 1990. Although this report was not available for review, references to the report revealed low levels of DDT, DDD, and heptachlor in groundwater samples. The report also found levels of DDT, DDD, lindane, parathion, endosulfan, and ethion in lagoon sediments. These results prompted an additional removal action by the FDEP in April and May 1990, resulting in the excavation of 540 tons of lagoon sediment and the treatment of 250,000 gallons of lagoon water by OHM Remediation Services Corp.

Additional groundwater sampling was performed in July 1990. Although this report was also not located, documentation referencing the analytical results indicated no contamination in the shallow surficial aquifer. However, trace levels of organochloride contaminants were reportedly detected in one intermediate well (approximately 50 ft bls total depth) and one deep well (total depth of 95 ft bls or greater).

After completion of the numerous source removal activities, the FDEP prepared a Decision Memorandum in January 1991, documenting that no further soil remediation should be necessary and that groundwater monitoring would be performed until the isolated pockets of groundwater contamination attenuated to below the groundwater cleanup target levels (GCTLs). Following one year of quarterly sampling, completed in September 1992, the monitoring data showed that trace levels of pesticides were persisting in groundwater and surface water at the site; therefore, semiannual groundwater and surface water monitoring continued from August 1992 to June 1994.

As documented in the EPA's February 1998 Expanded Site Inspection Report, the EPA sampled groundwater, surface water, soil, and sediment at the site in May 1997. Based on the results, the EPA concluded that the site does not qualify for the National Priorities List (NPL).

An additional round of groundwater, surface water, and sediment sampling was performed in September 1997 and combined with the previous site data to evaluate the site status when compared to the current applicable FDEP soil, surface water, and groundwater cleanup criteria. The data review revealed that soils remained on site above levels recommended for unrestricted land use. Between February 1999 and March 2000, additional soil sampling was performed to determine the extent of onsite and offsite soil contamination and to reevaluate the remedial alternatives for final cleanup actions at the site. The final Supplemental Assessment Report and Technologies Evaluation Report were completed in June 2000. The results confirmed that soils on site and immediately west of the site remained contaminated with pesticides including toxaphene, DDT and its metabolites (DDD and DDE), copper, and arsenic at concentrations that exceed the SCTLs.

In May 2002, the FDEP amended the selected cleanup technology, selecting excavation and offsite disposal of an estimated 35,000 tons of contaminated soils, including site-related soil contamination identified on adjacent properties west of the former SCS property. The 2002 Decision Memorandum retained natural attenuation monitoring as the groundwater remedy for the site.

In January 2008, approximately 17,000 tons of offsite soils contaminated by site-related pesticides and arsenic (excluding the wetland area) were excavated from properties located east and west of the former SCS facility. A final Construction Completion Report documenting the removal was dated March 2010.

In November 2010, the Department of Transportation (DOT), excavated soils located within the Lake Worth Drainage District easement during reconstruction of the canal (L-34). The Lake Worth Drainage District easement extended from the SCS northern property boundary to the south approximately 87 ft. Excavation depths ranged from 2.5 ft bls to the water table, which was encountered at depths ranging from 4.5 to 6.5 ft bls.

On January 10, 2011, the FDEP approved a Remedial Action Plan (RAP) to clear the wetland area, dewater, perform water treatment, and excavate sediment to 3 ft bls. The work was performed from December 2011 through April 2012 and the wetland was restored to its original contours. As documented in the Construction Completion Report for Phase II Remedial Activities (Ecology and Environment, 2012), the remedial action successfully excavated a total of 13,068 tons of soil and sediment while dewatering and treating 1,190,900 gallons from the wetland area of the site and the adjacent property. Following the remedial efforts, the wetland area was re-vegetated with native south Florida plants.

Initially, arsenic exceedances of the SCTL were based on the residential exposure concentration of 0.8 mg/kg, as stipulated by Chapter 62-777, FAC in May 26, 1999. Concentrations exceeding 0.8 mg/kg were observed on the SCS property and offsite to the west. On April 17, 2005, Chapter 62-777, FAC was amended, increasing the residential exposure SCTL for arsenic to the current 2.1 mg/kg. This amendment also increased the commercial exposure SCTL for arsenic from 3.7 mg/kg to 12 mg/kg. With the increase in the residential SCTL, soil and groundwater samples collected during the supplemental assessment activities in 2013 did not result in a regulatory exceedance and previously known onsite impacts surrounding the lagoon area had been excavated. In addition, it was further determined by the FDEP that arsenic exceedances detected in soil and groundwater within offsite areas previously remediated were attributable to the historic treatment of plant bulbs with arsenicals at an agricultural facility west of the former SCS facility property.

Therefore, in January 2014 the FDEP requested that the analysis for arsenic be removed from future groundwater and soil sampling activities.

A SSAR dated March 8, 2016 was approved by the FDEP on March 9, 2016, documenting the onsite soil and groundwater assessment activities performed in July to August 2013, April 2014, and July to August 2015. The SSAR findings reported the presence of gamma-BHC (lindane), dieldrin, 4,4'-DDT and its metabolites 4,4'-DDD and 4,4'-DDE, heptachlor epoxide, toxaphene, and copper—all above the residential SCTLs. Additionally, dieldrin, 4,4'-DDT and its metabolite 4,4'-DDD, and toxaphene were detected in at least one sample above the commercial SCTLs. Toxaphene and, to a lesser extent, copper were found to be the predominant contaminants in soil at the site and are the most widespread. In August 2015, a sediment sample designated SED-1 was collected from the retention pond in the residential neighborhood east of the SCS site. The sediment sample results, reported in the March 2016 SSAR, from the SED-1 sample were below the Threshold Effect Concentrations (TEC) and the Probable Effect Concentrations (PEC) listed in the Sediment Quality Assessment Guidelines (SQAG) for Sediment-Dwelling Organisms in Florida and the SCTLs for pesticides and copper. The 2016 SSAR recommended additional site activities for soil delineation of the pesticides and copper detected in the shallow subsurface above the commercial and residential direct exposure SCTLs.

FDEP's review of the March 2016 SSAR resulted in the removal of copper from further analysis due to past concentrations consistently reported below the commercial SCTL target level and based on the previous copper distribution of residential SCTL detections, which defined to the former SCS facility or were detected in areas previously excavated and the soil removed. Since site cleanup is proposed to the commercial target level and copper is also not detected in groundwater samples exceeding the GCTL, the FDEP believed that additional soil assessment for copper was not necessary. Additionally, since no groundwater contamination was detected in annual groundwater samples exceeding the GCTLs for pesticides in 2014 and 2015, the FDEP did not recommend the collection of additional soil samples below 2 ft bls. It should be noted that beta-BHC (beta-hexachlorocyclohexane) was detected above the GCTL of 0.02 micrograms per liter ($\mu\text{g/L}$) in one monitoring well (MW-1) during the June 2016 annual groundwater sampling event which was reported in the revised Annual Groundwater Sampling Report dated November 10, 2016. Other pesticide compounds were detected, all below their respective GCTLs at trace concentrations.

Supplemental assessment samples were collected in June 2016 to further identify the onsite extent of toxaphene in soils and the results were reported in a SSAR dated November 11, 2016. Two additional offsite sediment samples, designated V-15 and V-19, were also collected. The results

of the two sediment samples were below the TEC and the PEC listed in the SQAG for Sediment-Dwelling Organisms in Florida and the SCTLs for pesticides and copper. However, onsite soil samples identified several impacted areas in close proximity to the SCS property boundary. The November 11, 2016 SSAR findings were also utilized for the preparation of an Engineering Evaluation of Soil Remedial Options report dated December 28, 2016.

In December 2016 and March 2017, additional borings were advanced for the collection of soil samples onsite and immediately adjacent to the SCS property on the residential properties to the east and the commercial properties to the west. The additional samples were collected to provide onsite and offsite contaminant definition for remedial design. The data was summarized in a SSAR dated September 28, 2017 and approved by the FDEP on October 2, 2017. The December 2016 data, included numerous offsite locations surrounding the SCS property and resulted in only one exceedance of a SCTL. This sample was collected near the southwest corner of the SCS on a commercial nursery property (Triad Plant Company). The analysis exceeded the residential SCTL for direct exposure for dieldrin. The March 2017, samples were collected to provide more definition of the contamination in close proximity to the property boundaries and offsite for remedial design. The March data found toxaphene and dieldrin above the residential SCTL at the Triad Plant Company near the southeast corner of the SCS property. Based on the Triad property results, additional samples were requested by the FDEP to identify the extent of the contamination, resulting in the investigation summarized in the current SSAR.

The collective soil sample results, to data, were used in the development of several remedial documents, and recently compiled in an Interim Source Removal (ISR), dated January 22, 2018. The ISR design document was prepared to mitigate contaminant exposure risks associated with the shallow soil impacts for the south 10 acres of the former SCS facility property. Currently, the ISR remedial activities for this portion of the former facility property are ongoing. For groundwater, the current site status remains monitoring on an annual basis, until soil remediation and/or restoration efforts for the entire site are completed.

3.0 Site Characterization Methodology

On January 4 and March 2, 2018, APTIM visited the site to advance borings and collect soil samples at several locations along the west former SCS property boundary and on adjacent parcels to the west including the Triad parcel. Soil borings were advanced with a 3¼ -inch diameter, decontaminated, stainless-steel hand auger. The soil samples were analyzed for the presence of pesticides by EPA Method 8081. The unmixed composite soil samples were collected from the auger buckets within each sample interval and placed into a single 4-ounce jars for submittal to the laboratory for analysis.

Copies of the soil boring logs are included in **Appendix A**. As indicated on the logs, the soil was generally light gray to gray, silty fine-grained sands from the surface to 2 ft bls. Soil sample collection intervals were from 0 to 6" bls and 6" to 2' bls. The shallow water table was not encountered during the soil sampling event.

The January 4, 2018 soil sampling event was performed following a review of the September 28, 2017 SSAR contaminant data. In that review, two areas west of the SCS property boundary were identified for additional assessment. The two locations sampled included:

The property adjacent to the west of sample location N13 25S* (note the asterisk denotes the actual sample was collected on the SCS property line).

1. N13 25S*, collected from the 0 to 6" depth interval, reported a concentration at the SCS property line of 4.6 mg/kg of toxaphene. This concentration is above the commercial direct exposure concentration of 4.5 mg/kg and residential direct exposure concentration of 0.9 mg/kg. A sample from the deeper interval (6" to 2' depth interval) at this location was not previously collected. Based on these findings, three soil samples were collected and analyzed, as follows:
 - a. One sample was collected at location N13 25S* from 6" to 2' depth interval,
 - b. The second the third samples were collected offsite approximately 25 ft west of this location. The two samples were collected from the 0 to 6" and 6" to 2' depth intervals.

The second location assessed in January 2018 included the Triad Plant Company property to further define a shallow toxaphene detection (0 to 6" depth interval) detected at the location of sample M46, and two shallow dieldrin detections at locations (M48 and N47 50W), all detected above the residential direct exposure SCTL.

- a. Nine (9) samples were collected surrounding the residential exceedance locations from the 0 to 6" depth interval. Additionally, seven (7) contingency samples were collected for possible analysis based on the initial sample analytical results.

- b. Also, two (2) deeper samples (6" to 2' depth interval) were collected. One at the location M46, and the second at M48 for vertical definition of the shallower SCTL exceedances.

Eight (8) additional onsite soil samples, designated as "swale samples" were also collected in January 2018. These samples were collected on the former SCS property within an area proposed for excavation in the January 22, 2018 ISR. The samples were necessary to define the proposed excavation limits due to the presence of a drainage swale near the property boundary at this location. The location of the swale samples are shown on **Figure 3**.

The March 2, 2018 soil locations were collected to complete the sample analysis along the property boundary of the former SCS facility property and the Triad property to the west. The March 2018 samples included the collection of 20 soil samples from 11 locations along the SCS property boundary.

All sample containers were labeled and immediately placed on ice in a cooler, under chain-of-custody, and delivered to TestAmerica Laboratories, Inc. (TestAmerica) in Tampa, Florida, for mixing and analysis. Copies of the field notes are included in **Appendix B**.

4.0 Supplemental Soil Assessment Results

4.1 Supplemental Soil Sampling Results

Soil sample results for all the samples collected to date by APTIM are summarized in **Table 1**, including the analysis for pesticides by EPA Method 8081 and arsenic and copper by EPA Method 6010. The historic analytical results incorporated into this report were obtained from maps prepared by Ecology and Environment in 2008, copies of which are included in **Appendix C**. The recent analytical results were incorporated into the existing toxaphene distribution maps, the most prevalent contaminant detected on the SCS site, as previously noted.

The samples analyzed for the first area investigated, the commercial SCTL exceedance for the toxaphene detected at the property line near location N-13 25S (0 to 6" depth interval), reported the presence of toxaphene exceeding the residential exposure SCTL in the sample below this location within the 6" to 2' depth interval. However, the samples collected west of this location, including the analysis of the deeper contingency sample, were reported below the SCTLs for all the pesticide compounds tested, defining the limits of contamination exceeding the residential direct exposure SCTLs as being within 25 ft of the property boundary.

The second area investigated, the offsite residential exposure SCTL exceedances near the southwest corner of the former SCS facility property (M46, M48 and N47 50W at the 0- to 6-inch depth interval) on the Triad property, were defined by both the surrounding shallow samples and the deeper interval samples collected during the January 4, 2018 sampling event.

The swale sample results indicated that toxaphene concentrations exceed the SCTL for residential exposure criteria on the east side of the swale (both at the 6" to 2' depth interval). Soil samples collected from the west side of the swale did not contain SCTLs based on commercial or residential direct exposure criteria.

Lastly, all the samples collected along the west property boundary of the former SCS facility property on March 4, 2018 were below commercial and residential direct exposure SCTLs for organochlorine pesticides, suggesting that SCS related pesticides exceeding the SCTLs do not extend off the source property in those areas.

Figures 4a and **4b** (0 to 6" depth interval) and **Figures 4c** and **4d** (6" to 2' depth interval) were updated to include the recent results and illustrate the currently known distribution of toxaphene.

Of the soil samples collected on January 4 and March 2, 2018, three (3) contained dieldrin exceeding the SCTL based on leachability at the 0 to 6" depth interval and two (2) contained

dieldrin exceeding the SCTL based on leachability at the 6" to 2' depth interval. All five (5) leachability SCTL exceedances were detected on the Triad Plant Company property. Dieldrin has not been detected in groundwater above the GCTLs in site monitoring wells, based on monitoring events from August 2013 through June 2016.

All the historical and recent soil analysis exceedances for the residential SCTL are combined on **Figures 5a and 5b**, for the depth interval from 0 to 6 inches and **Figures 5c and 5d** for the depth interval from 6 inches to 2 ft. Similarly, commercial exceedances for the depth intervals from 0 to 6 inches are shown on **Figures 6a and 6b**, and the depth intervals from 6 inches to 2 ft bls are shown on **Figures 6c and 6d**. The recent data suggests the offsite soil contamination associated with the SCS site on the Triad Plant Company property are limited and offsite impact between the locations of N-13 and N-14 are defined to a limited distance offsite.

5.0 Quality Assurance/Quality Control Data Review

All field activities and sample collection were performed in general accordance with the FDEP's Standard Operating Procedures (SOP) for Field Activities DEP-SOP-001/01, dated March 1, 2014 (effective date July 30, 2014).

The fixed-base laboratory, TestAmerica, is accredited by the National Environmental Laboratory Accreditation Conference (NELAC) and certified under Laboratory Number E84282 by the State of Florida through June 30, 2018. TestAmerica monitors instrument calibration using traceable standards and performs matrix spikes and matrix spike duplicates on a daily basis. The soil and sediment samples collected on January 4 and March 2, 2018 were all received in good condition and properly preserved.

The TestAmerica analytical reports summarizing the SCS data are Job Numbers 660-84825-1 and 660-85937-1. Each analytical report includes a case narrative providing a detailed discussion regarding any quality assurance/quality control (QA/QC) issues or assigned data qualifiers which may, or may not, impact the data quality for the sample groups. The analytical reports, sample analysis, and the associated case narratives are provided in **Appendix D**.

In the TestAmerica analytical reports, many analytes were provided an "I" qualifier indicating the reported concentrations were between the laboratory MDL and the laboratory practical quantitation limit (PQL), the lowest concentration that can be accurately measured, as opposed to just detected (MDL). Also, in some instances, the results of a sample may have exceeded the upper limit of the linear calibration range of the instrument, resulting in an estimated value. In this instance, the sample was re-analyzed after sample dilution to bring the results for the analyte to within the linear calibration range of the instrument. The reporting limits of these samples were adjusted to reflect the dilution.

According to the January 2018 analytical report case narratives, there were several instances of the matrix spike and matrix spike duplicate recoveries exceeding the upper control limits for 4,4-DDT. Matrix interference or sample non-homogeneity was suspected, since the associated laboratory control samples were within acceptable limits, indicating the analytical batch was in control.

According to the March 2018 analytical report case narratives, the precision calculation between the primary and confirmation column exceeded 40% for 4,4-DDE in the shallow sample collected at N53. In accordance with the laboratory standard operating procedure, the higher value was reported. Since the higher value did not exceed a FDEP SCTL, the precision error does not appear to significantly impact the analytical data.

For additional details and specifics regarding the laboratory quality control results for the field samples, see the case narratives and quality control summaries provided in the TestAmerica analytical reports. The TestAmerica analytical meet all NELAC requirements for the parameters reported and the laboratory exceptions did not significantly impact the data suggesting the data is acceptable for reporting. Copies of the soil laboratory analytical reports with chain-of-custody records are included in **Appendix D**.

6.0 *Conclusions and Recommendations*

6.1 *Conclusions*

Supplemental soil sampling at the SCS site has, to date, been performed in seven events: the first in July and August 2013, the second in April 2014, the third in July and August 2015, the fourth in June 2016, the fifth in December 2016, the sixth in March 2017 and the recent January and March 2018 sampling event. The combined soil analyses reported the presence of gamma-BHC (lindane); dieldrin; 4,4'-DDT and its metabolites (4,4'-DDD and 4,4'-DDE); heptachlor epoxide; toxaphene; and copper above the residential SCTLs on the former SCS facility property. Reports prior to 2005, reported arsenic onsite exceeding the residential SCTL. However, the arsenic residential exposure SCTL increase by a 2005 rule amendment, eliminated most areas of concern. Also, since the remaining onsite arsenic areas above the residential SCTL were removed during previous excavations, arsenic was eliminated from an onsite concern. Offsite arsenic impacts, outside of areas previously remediated during a past pesticide removal effort, were determined by the FDEP to be unrelated to the activities of the former SCS facility. To date, dieldrin; 4,4'-DDT and its metabolite 4,4'-DDD; and toxaphene were reported in at least one sample onsite above the commercial SCTLs. Toxaphene is the predominant contaminant detected at the SCS site, exceeding the commercial SCTL for direct exposure in 68 samples collected to date.

The January 2018 data, included the sampling of two offsite areas along the west property boundary of the SCS property. One area was located in the northern half of the property (between N13 and N14) and the second location was near the southwest corner of the SCS on the commercial nursery property (Triad Plant Company). At both locations, the samples were collected to successfully define the limits of previously detected SCTL exceedances for future remedial efforts. In addition, onsite swale samples were collected to further define the extent of contamination in the area of the drainage feature (swale), located during site clearing activities in the area. Both the swale samples and Triad property samples were used in the development of an Addendum to the Interim Source Removal document, dated February 1, 2018, which has been submitted to the FDEP, and is under review. Source removal activities, comprised of soil excavation, in the southern portion of the former SCS facility property is currently underway.

During past sampling events from 2013 through March 2018, the SCTL based on leachability was exceeded in one or more samples for alpha-BHC, beta-BHC, gamma-BHC, dieldrin, 4,4'-DDT and its metabolite 4,4'-DDD, endrin, and toxaphene. Dieldrin remains the most widespread, based on the low leachability SCTL of 0.002 µg/kg. In the January and March 2018 data, the SCTL based on leachability was exceeded in 5 samples, all of which were located offsite on the Triad property near the southwest corner of the SCS site.

Beta-BHC has been detected only once exceeding the GCTL in groundwater samples collected since 2014 (beta-BHC was detected in one groundwater sample collected in June 2016). Since 2014, none of the remaining pesticide compounds reported above the SCTL for leachability, are detected in groundwater samples exceeding the GCTL. Dieldrin, the most widespread SCTL exceedance for leachability, has not been reported above the GCTL in any of the wells sampled since 2013. Alpha-, beta-, and gamma-BHC were detected in one or more groundwater samples during the August 2013 groundwater sampling event. It should be noted, however, that the August 2013 groundwater sampling was the initial event following the new monitoring well installations in July 2013.

6.2 Recommendations

Based on the soil data and information presented in this report, in accordance with the Contaminated Site Cleanup Criteria, Chapter 62-780, FAC, the combined site data appears to have substantially delineated the extent of contamination exceeding commercial and residential SCTLs on the former SCS facility property and the adjacent properties, including the distribution of toxaphene and dieldrin residential exceedances on the Triad Plant Company property near the southwest corner of the SCS site. The swale sample results appear to have defined the known impacts and have been utilized to modify the limits of source removal activities currently underway. Also, the offsite samples collected in the northern portion of the property (N13 S25) and on the Triad Nursery Company property have effectively defined the offsite impacted areas.

Some soil analytical results detected contaminants exceeding the criteria for leachability. Until soil remediation and/or restoration efforts are completed, groundwater monitoring should continue on an annual basis, or when site conditions are amenable. Following completion of remedial activities, expansion of the shallow groundwater monitoring well network should be considered. Additional monitoring wells may be required based on the locations of the commercial SCTL exceedances in the soil analytical data. One well should be installed within the depression identified during land clearing activities in the southern portion of the SCS site (**Figure 2**). Additional wells may also be considered, based on the data, to evaluate areas which display elevated leachability exceedances.

7.0 Limitations

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client, unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, timeframes, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

Tables

TABLE 1: SUMMARY OF SOIL ANALYTICAL RESULTS - Pesticides and Metals

Sample ID	Collection Depth (ft pls)	Collection Date	Residential SCTL (mg/kg)		Commercial/Industrial SCTL (mg/kg)		Leachability SCTL (mg/kg)	
			0.1	0.5	0.5	2.4	0.003	0.001
			2.8	14	14	14	14	2.5
Former Southern Crop Services								
FDEP HWC Site Number 53								
Laboratory Analysis (mg/kg)								
Copper			2.1	0.9	150
Asaric			4.5	4.5	12	89,000		
Toxaphene								
Methoxychlor			420	0.1	0.1			
Heptachlor epoxide			0.2	0.2	NA			
Heptachlor			25	25	510			
Endrin Ketone			1	1	NA			
Endrin			2.9	2.9	15			
4,4'-DDE			2.9	2.9	15			
4,4'-DDT			4.2	4.2	22			
Bifenthrin			0.05	0.05	0.3			
gamma-Chlorane			2.8	2.8	14			
alpha-Chlorane			2.8	2.8	14			
Chlorane			2.8	2.8	14			
gamma-BHC (Lindane)			0.7	0.7	2.5			
delta-BHC			24	24	490			
beta-BHC			0.5	0.5	2.4			
alpha-BHC			0.1	0.003	0.001			
M45 25S		01/04/18	0.0044 U	0.00058 U	0.00046 U	0.00070 U	0.32	NS
M45 25S/25W		01/04/18	0.0045 U	0.00058 U	0.00046 U	0.00077 U	0.28 U	NS
M48 25W		01/04/18	0.0047 U	0.00061 U	0.00049 U	0.00075 U	0.27 U	NS
M48		03/16/17	0.0040 U	0.00062 U	0.00041 U	0.00041 U	0.51	NS
M48 25S		01/04/18	0.0049 U	0.00063 U	0.00043 U	0.00078 U	0.28 U	NS
M48 25S/25W		01/04/18	0.0048 U	0.00062 U	0.00043 U	0.00077 U	0.28 U	NS
N-3 25S		03/22/17	0.0018 U	0.00059 U	0.00017 U	0.00018 U	0.45 U	NS
N-3 25S		01/04/18	0.0044 U	0.00057 U	0.00039 U	0.00071 U	1.3	NS
N-13 25S		01/04/18	0.0044 U	0.00057 U	0.00046 U	0.00071 U	1.3	NS
N-14		06/09/16	0.0025 U	0.00051 U	0.00023 U	0.00068 U	0.30 U	NS
N-14		06/09/16	0.0025 U	0.00051 U	0.00023 U	0.00068 U	0.30 U	NS
N-14		06/09/16	0.0025 U	0.00051 U	0.00023 U	0.00068 U	0.30 U	NS
N-15		06/09/16	0.0024 U	0.00051 U	0.00033 U	0.00034 U	0.30 U	NS
N-15		06/09/16	0.0024 U	0.00051 U	0.00033 U	0.00034 U	0.30 U	NS
N-16		06/09/16	0.0028 U	0.00059 U	0.00038 U	0.00039 U	0.34 U	NS
N-16		06/09/16	0.0028 U	0.00059 U	0.00038 U	0.00039 U	0.34 U	NS
N-17		06/09/16	0.0025 U	0.00052 U	0.00034 U	0.00035 U	0.30 U	NS
N-17		06/09/16	0.0025 U	0.00052 U	0.00034 U	0.00035 U	0.30 U	NS
N-18		06/09/16	0.0024 U	0.00051 U	0.00033 U	0.00034 U	0.30 U	NS
N-18		06/09/16	0.0024 U	0.00051 U	0.00033 U	0.00034 U	0.30 U	NS
N-19		03/22/17	0.0018 U	0.00057 U	0.00017 U	0.00017 U	0.43 U	NS
N-19		06/09/16	0.0025 U	0.00051 U	0.00033 U	0.00034 U	0.30 U	NS
N-20		03/22/17	0.0017 U	0.00056 U	0.00016 U	0.00017 U	0.42 U	NS
N-20		06/09/16	0.0025 U	0.00051 U	0.00033 U	0.00034 U	0.30 U	NS
N-21		06/09/16	0.0024 U	0.00051 U	0.00033 U	0.00034 U	0.30 U	NS
N-21		06/09/16	0.0024 U	0.00051 U	0.00033 U	0.00034 U	0.30 U	NS
N-22		06/09/16	0.0028 U	0.00058 U	0.00028 U	0.00037 U	0.38	NS
N-24		06/09/16	0.0032 U	0.00061 U	0.00032 U	0.00041 U	1.40	NS

TABLE 1: SUMMARY OF SOIL ANALYTICAL RESULTS - Pesticides and Metals

Pesticide Department of Environmental Protection - Bureau of Waste Cleanup - Hazardous Waste Cleanup Section

Former Southern Crop Services FDEP HWC Site Number 63

Laboratory Analysis (mg/kg)

Table with columns: Sample ID, Collection Date, Depth (ft bis), and various chemical residues (Residential SCTL, Commercial/Industrial SCTL, Leachability SCTL) for pesticides like alpha-BHC, beta-BHC, gamma-BHC, Dieldrin, and metals like Arsenic, Copper.

TABLE 1: SUMMARY OF SOIL ANALYTICAL RESULTS - Pesticides and Metals

Florida Department of Environmental Protection - Bureau of Water Cleanup - Researches Water Cleanup Division

Sample ID	Collection Depth (ft bis)	Date	Residential SCTL (mg/kg)		Commercial/Industrial SCTL (mg/kg)		Leachability SCTL (mg/kg)											
			0.1	0.5	2.4	4.90	0.2	0.003	0.003	0.001								
Former Southern Crop Services - FDEP HWC Site Number 53 Laboratory Analysis (mg/kg)			0.1	0.2	2.9	5.8	0.0035 U	0.0035 U	0.0041 U	0.0037 U	0.0037 U	0.0037 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U
	alpha-BHC	6'-2	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U	0.00251 U
	beta-BHC	6'-2	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U	0.00264 U
	delta-BHC	6'-2	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U	0.00279 U
	gamma-BHC (lindane)	6'-2	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U	0.00284 U
	Chlordane	6'-2	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U	0.0029 U
	alpha-Chlordane	6'-2	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
	gamma-Chlordane	6'-2	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U	0.0031 U
	Dieldrin	6'-2	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U	0.0032 U
	4,4'-DDE	6'-2	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.0033 U
	4,4'-DDD	6'-2	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U
	4,4'-DDE	6'-2	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U	0.0035 U
	Endrin	6'-2	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U
	Endrin Ketone	6'-2	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U	0.0037 U
	Hephaclor epoxide	6'-2	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U	0.0038 U
	Hephaclor	6'-2	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U	0.0039 U
	Methoxychlor	6'-2	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Toxaphene	6'-2	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	0.0041 U	
Arsenic	6'-2	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	0.0042 U	
Copper	6'-2	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	0.0043 U	

TABLE 1: SUMMARY OF SOIL ANALYTICAL RESULTS - Pesticides and Metals

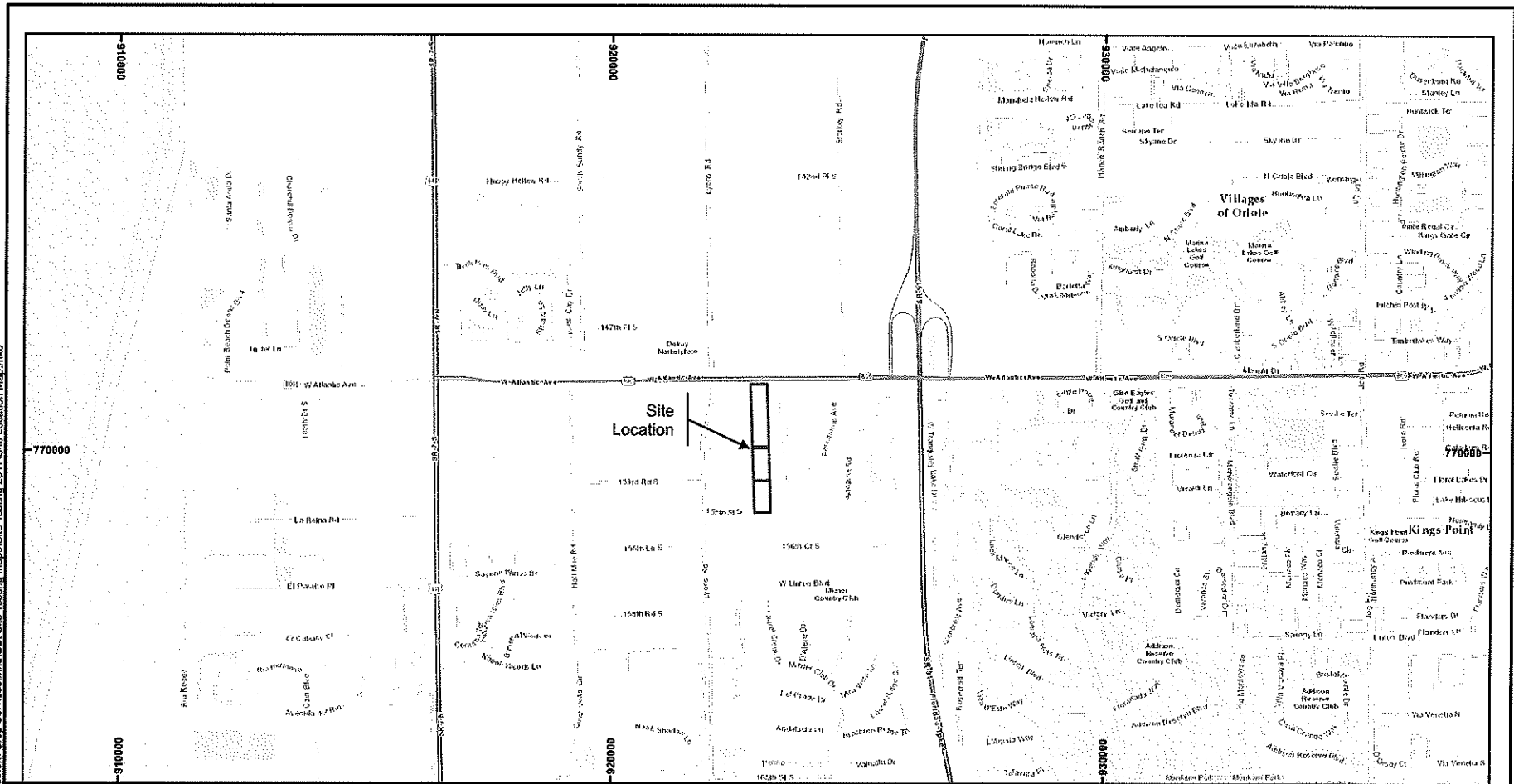
Florida Department of Environmental Protection - Bureau of Mobile Cleanup - Hazardous Waste Cleanup Section

Former Southern Crop Services
 FDEP HWC Site Number 53

Laboratory Analysis (mg/kg)

Sample ID	Collection Date (ft lbs)	Residential SCTL (mg/kg):		Commercial/Industrial SCTL (mg/kg):		Leachability SCTL (mg/kg):	
		0.1	0.5	0.6	2.4	0.003	0.001
Q-35	6'-2"	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U
	6'-2"	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.00036 U
Q-36	6'-2"	0.00319 U	0.00336 U	0.00319 U	0.00336 U	0.00319 U	0.00336 U
	6'-2"	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U
Q-37	6'-2"	0.00227 U	0.00267 U	0.00227 U	0.00267 U	0.00227 U	0.00267 U
	6'-2"	0.00034 U	0.00034 U	0.00034 U	0.00034 U	0.00034 U	0.00034 U
Q-38	6'-2"	0.00069 U	0.00069 U	0.00069 U	0.00069 U	0.00069 U	0.00069 U
	6'-2"	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U
Q-40	6'-2"	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U
	6'-2"	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U
Q-41	6'-2"	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U
	6'-2"	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U
Q-42	6'-2"	0.00312 U	0.00329 U	0.00312 U	0.00329 U	0.00312 U	0.00329 U
	6'-2"	0.00042 U	0.00042 U	0.00042 U	0.00042 U	0.00042 U	0.00042 U
Q-43	6'-2"	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U
	6'-2"	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U
Q-44	6'-2"	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U
	6'-2"	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U	0.00037 U
Q-45	6'-2"	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.00036 U
	6'-2"	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.00036 U
Q-46	6'-2"	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.00036 U
	6'-2"	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.00036 U	0.00036 U
Q-47	6'-2"	0.00289 U	0.00304 U	0.00289 U	0.00304 U	0.00289 U	0.00304 U
	6'-2"	0.00259 U	0.00273 U	0.00259 U	0.00273 U	0.00259 U	0.00273 U
Q-49	6'-2"	0.00073 U	0.00073 U	0.00073 U	0.00073 U	0.00073 U	0.00073 U
	6'-2"	0.00250 U	0.00263 U	0.00250 U	0.00263 U	0.00250 U	0.00263 U
Q-50	6'-2"	0.00288 U	0.00282 U	0.00288 U	0.00282 U	0.00288 U	0.00282 U
	6'-2"	0.00375 U	0.00394 U	0.00375 U	0.00394 U	0.00375 U	0.00394 U
Q-51	6'-2"	0.00024 U	0.00051 U	0.00024 U	0.00051 U	0.00024 U	0.00051 U
	6'-2"	0.00286 U	0.00311 U	0.00286 U	0.00311 U	0.00286 U	0.00311 U
Q-52	6'-2"	0.00256 U	0.00375 U	0.00256 U	0.00375 U	0.00256 U	0.00375 U
	6'-2"	0.00126 U	0.0133 U	0.00126 U	0.0133 U	0.00126 U	0.0133 U
Q-53	6'-2"	0.00287 U	0.00302 U	0.00287 U	0.00302 U	0.00287 U	0.00302 U
	6'-2"	0.00126 U	0.0133 U	0.00126 U	0.0133 U	0.00126 U	0.0133 U

Figures

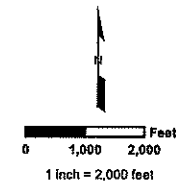


Notes:

1. Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
2. Background imagery is ESR's Topographic Map.
3. Property boundary was downloaded from the Palm Beach County Countywide GIS website.

Legend:

 Property Boundary



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION Southern Crop Services 8778 Atlantic Avenue Delray Beach, Florida	
FIGURE NUMBER 1	Site Location Map
APTM 725 US Highway 301 South Tampa, FL 33618 www.apitm.com	

G:\Enterprises\SHAW\Tampa\147372_Southern_Crop_Services\Mxdt\CBI_Site_Testing_Map\Site_Testing_Map\Site_Testing_2019\Monitoring_Wells_Location_Map.mxd

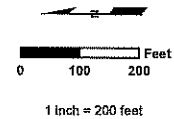
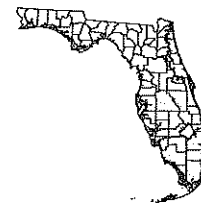


Notes:

- Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
- Background imagery is ESRI's Imagery basemap, flown May 20, 2015.
- Property boundary was downloaded from the Palm Beach County Countywide GIS website.
- 2011 National Wetland Inventory was downloaded from U.S. Fish and Wildlife Service.

Legend:

- 2011 National Wetland Inventory
- Property Boundary
- Adjacent Property Boundary
- Historical Features**
- Former Airstrip
- Former Building Location
- Drum Storage Area
- Drum and Debris Disposal Area
- Depression
- Monitoring Well**
- Shallow Well
- Deep Well



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

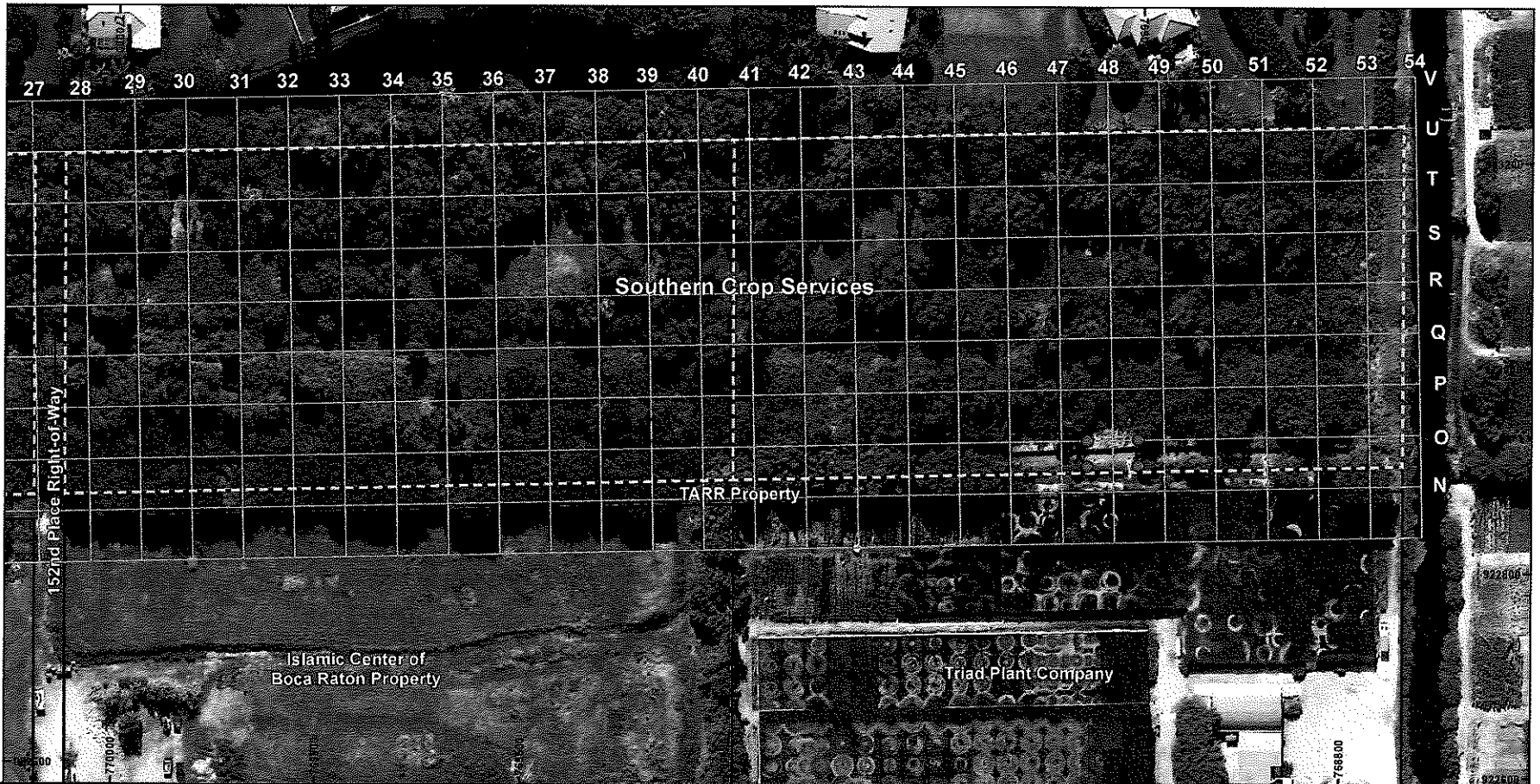
Southern Crop Services
8778 Atlantic Avenue
Delray Beach, Florida

FIGURE NUMBER
2

Monitoring Well Site Map

APTIM
725 US Highway 301 South
Tampa, FL 33619
www.CBI.com

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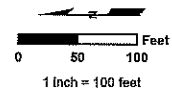


Notes:

1. Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
2. Background imagery is ESRI's imagery basemap, flown May 20, 2015.
3. Property boundary was downloaded from the Palm Beach County Countywide GIS website.

Legend:

- 2018 Swale Samples
- - - Property Boundary
- ▭ Adjacent Property Boundary
- Depression



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

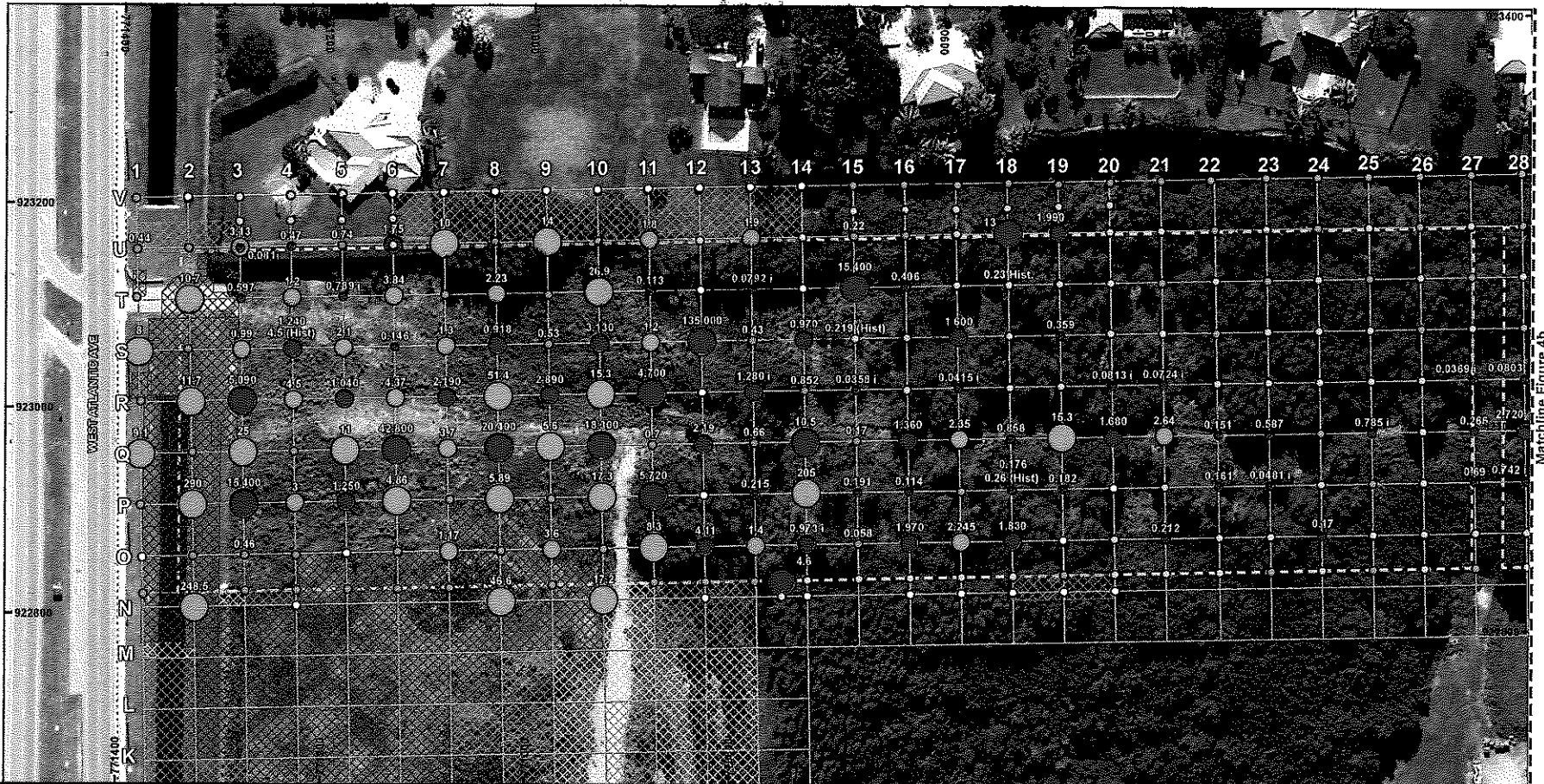
Southern Crop Services
8778 Atlantic Avenue
Delray Beach, Florida

Figure 3

Swale Sample Locations

APTIM
725 US Highway 301 South
Tampa, FL 33619
www.CBI.com

G:\Enterprise\SHAW\Tampa\147372_Southern Crop Services\Map\CBI_Site_Testing_Map\Site_Testing_2018\Toxaphene_0 to 6 inches_Depth_Map.mxd



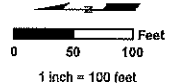
Notes:

- Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
- Background Imagery is ESRI's imagery basemap, flown March 3, 2015.
- Property boundary was downloaded from the Palm Beach County Countywide GIS website.
- Historical soil borings collected by Ecology and Environment.
- Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2018.

Legend:

- Property Boundary
- Historic Excavation
 - 0-6"
 - 0-2'
 - 2'<
- Historic Toxaphene Samples
 - Not Detected
 - ≤ 0.9 mg/kg
 - > 0.9 - ≤ 4.5 mg/kg Exceeds Residential Exposure SCTL
 - > 4.5 mg/kg Exceeds Commercial Exposure SCTL

- Toxaphene Samples
 - No Sampling
 - Not Detected
 - ≤ 0.9 mg/kg
 - > 0.9 - ≤ 4.5 mg/kg Exceeds Residential Exposure SCTL
 - > 4.5 mg/kg Exceeds Commercial Exposure SCTL



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southern Crop Services
8778 Atlantic Avenue
DeFray Beach, Florida

FIGURE NUMBER
4a

**Toxaphene Sampling
0 to 6" Depth
March 2, 2018**

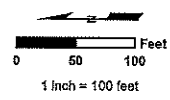
CB&I
725 US Highway 301 South
Tampa, FL 33619
www.CBI.com

G:\Enterprise\SHAW\Tampa\47372_Southern_Crop_Services\Map\CBI_Site_Testing\Map\Site_Testing\Map\Site_Testing\Map_2.mxd
 Matchline Figure 4a



- Notes:**
1. Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
 2. Background imagery is ESRI's Imagery basemap, flown May 20, 2015.
 3. Property boundary was downloaded from the Palm Beach County Countywide GIS website.
 4. Historical soil borings collected by Ecology and Environment.
 5. Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2018.

- Legend:**
- Property Boundary
 - Toxaphene Samples
 - No Sampling
 - Not Detected
 - ≤ 0.9 mg/kg
 - > 0.9 - ≤ 4.5 mg/kg Exceeds Residential Exposure SCTL
 - > 4.5 mg/kg Exceeds Commercial Exposure SCTL



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	
Southern Crop Services 8778 Atlantic Avenue Delray Beach, Florida	
FIGURE NUMBER 4b	Toxaphene Sampling 0 to 6" Depth March 2, 2018
CB&I 725 US Highway 301 South Tampa, FL 33619 www.CBI.com	

G:\Enterprises\SHAW\Tampa\147372_Southern_Crop_Services\Mex\CB\Site_Testing\Mapa\Site_Testing 2018\Topo\plane 6 inch to 2 f. Depth Map.mxd



Machine Figure 4c

Notes:

- Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
- Background Imagery is ESRI's Imagery basemap, flown March 3, 2015.
- Property boundary was downloaded from the Palm Beach County Countywide GIS website.
- Historical soil borings collected by Ecology and Environment.
- Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2018.

Legend:

<p>Property Boundary</p> <p>Historic Excavation</p> <ul style="list-style-type: none"> 0-6" 0-2' 2'< 	<p>Historic Toxaphene Samples</p> <ul style="list-style-type: none"> Not Detected ≤ 0.9 mg/kg > 0.9 - ≤ 4.5 mg/kg Exceeds Residential Exposure SCTL > 4.5 mg/kg Exceeds Commercial Exposure SCTL 	<p>All_Analysis(Toxaphene)</p> <ul style="list-style-type: none"> No Sampling Not Detected ≤ 0.9 mg/kg > 0.9 - ≤ 4.5 mg/kg Exceeds Residential Exposure SCTL > 4.5 mg/kg Exceeds Commercial Exposure SCTL 	<p>Scale</p> <p>0 50 100 Feet</p> <p>1 inch = 100 feet</p>
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southern Crop Services
8778 Atlantic Avenue
Delray Beach, Florida

FIGURE NUMBER
4c

**Toxaphene Sampling
6" to 2' Depth
March 2, 2018**

CB&I
725 US Highway 301 South
Tampa, FL 33619
www.CBI.com

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Matching Figure 4c

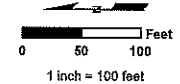


Notes:

1. Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
2. Background imagery is ESRI's Imagery basemap, flown March 3, 2015.
3. Property boundary was downloaded from the Palm Beach County Countywide GIS website.
4. Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2018.

Legend:

- Property Boundary
- Toxaphene Samples**
 - No Sampling
 - Not Detected
 - ≤ 0.9 mg/kg
 - > 0.9 - ≤ 4.5 mg/kg Exceeds Residential Exposure SCTL
 - > 4.5 mg/kg Exceeds Commercial Exposure SCTL



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southern Crop Services
8778 Atlantic Avenue
Delray Beach, Florida

FIGURE NUMBER
4d

**Toxaphene Sampling
6" to 2' Depth
March 2, 2018**

CB&I
725 US Highway 301 South
Tampa, FL 33619
www.CBI.com

G:\Enterprise\SHAW\Tampa\147372_Southern_Crop_Services\Map\CBI_Site_Testing_Map\Site_Testing_2018\Figure 5a.mxd



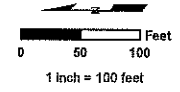
Matchline Figure 5b

Notes:

1. Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
2. Background imagery is ESRI's Imagery basemap, flown May 20, 2015.
3. Property boundary was downloaded from the Palm Beach County Countywide GIS website.
4. Historical soil borings collected by Ecology and Environment.
5. Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2018.

Legend:

- Property Boundary
- Previously Excavated from 0 to 6" bls
- Estimated Excavation Extent to Residential SCTL (to Date)
- No Sampling
- Sampled for Copper & Pesticides
- Sampled for Copper Only
- Sampled for Pesticides Only
- Historical Residential Exposure SCTL Exceedance
- Historical Commercial Exposure SCTL Exceedance
- Residential Exposure SCTL Exceedance
- Commercial Exposure SCTL Exceedance



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION Southern Crop Services 8778 Atlantic Avenue Delray Beach, Florida	
FIGURE NUMBER 5a	Distribution of Residential Exposure SCTL Exceedances 0 to 6" Depth March 2, 2018
APTIM 725 US Highway 301 South Tampa, FL 33619 www.CBI.com	

G:\Enterprise\SHAW\Tampall\47372_Southern_Crop_Services\Map\CBI_Site_Testing_Maps\Site_Testing_2018\Figure_5b.mxd

Matching Figure 5a

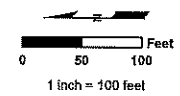


Notes:

- Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
- Background imagery is ESRI's Imagery basemap, flown May 20, 2015.
- Property boundary was downloaded from the Palm Beach County Countywide GIS website.
- Historical soil borings collected by Ecology and Environment.
- Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2018.

Legend:

- Property Boundary
- Estimated Excavation Extent to Residential SCTL (to Date)
- No Sampling
- Sampled for Copper & Pesticides
- Sampled for Copper Only
- Sampled for Pesticides Only
- Historical Commercial Exposure SCTL Exceedance
- Residential Exposure SCTL Exceedance
- Commercial Exposure SCTL Exceedance



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

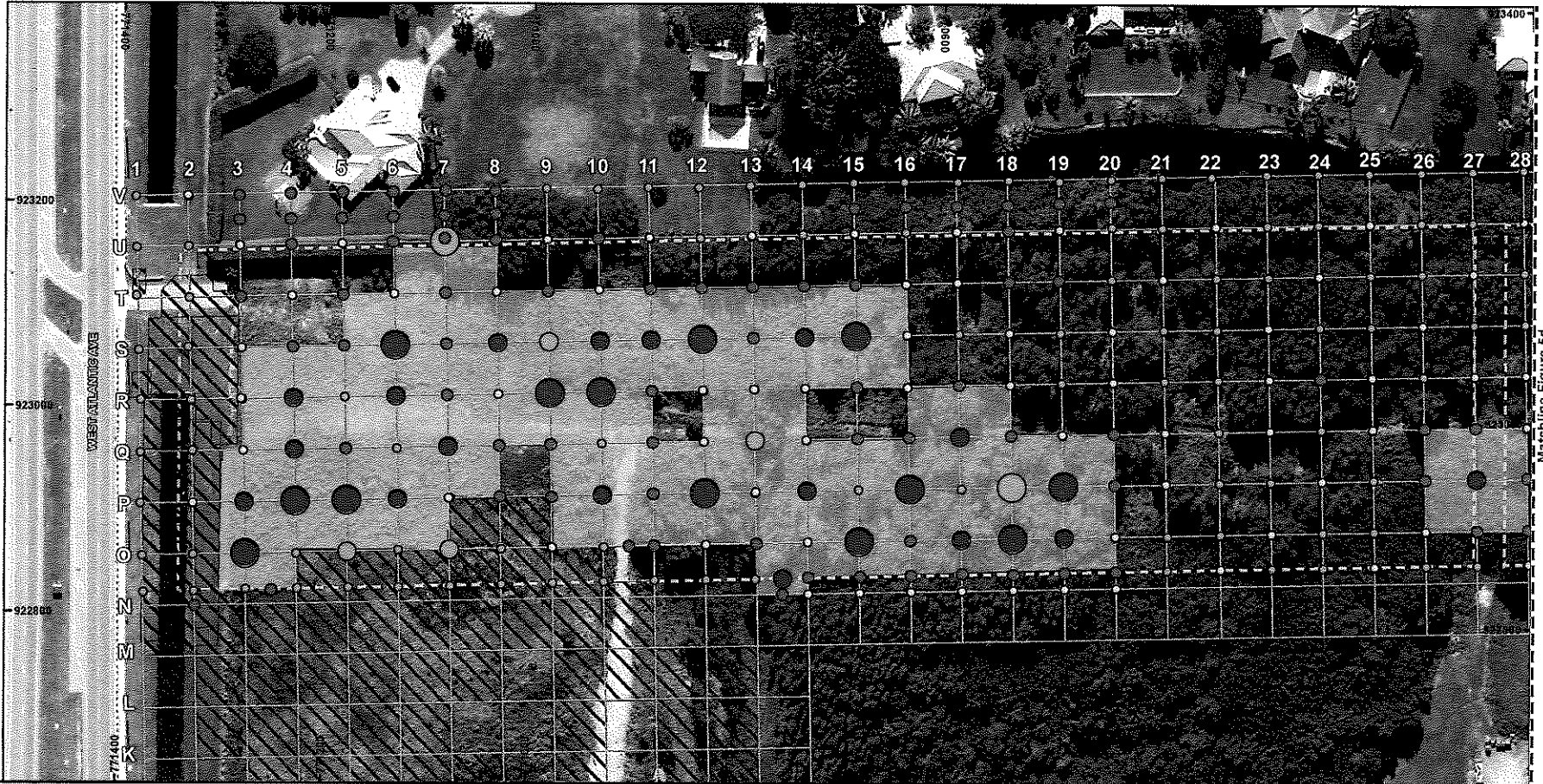
Southern Crop Services
8778 Atlantic Avenue
Delray Beach, Florida

FIGURE NUMBER
5b

Distribution of Residential Exposure SCTL Exceedances
0 to 6" Depth
March 2, 2018

APTIM
725 US Highway 301 South
Tampa, FL 33619
www.CBI.com

G:\Enterprise\SHAW\Tampa\147372_Southern Crop Services\Map\CBI_Site_Testing_Maps\Site_Testing_2018\Figure 5c.mxd

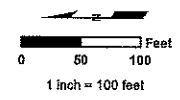


Notes:

1. Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
2. Background imagery is ESRI's Imagery basemap, flown May 20, 2015.
3. Property boundary was downloaded from the Palm Beach County Countywide GIS website.
4. Historical soil borings collected by Ecology and Environment.
5. Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2018.

Legend:

- Property Boundary
- Previously Excavated from 6" to 2' bls
- Estimated Excavation Extent to Residential SCTL (to Date)
- No Sampling
- Sampled for Copper & Pesticides
- Sampled for Copper Only
- Sampled for Pesticides Only
- Historical Residential Exposure SCTL Exceedance
- Historical Commercial Exposure SCTL Exceedance
- Residential Exposure SCTL Exceedance
- Commercial Exposure SCTL Exceedance



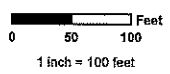
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	
Southern Crop Services 8778 Atlantic Avenue Delray Beach, Florida	
FIGURE NUMBER 5c	Distribution of Residential Exposure SCTL Exceedances 6" to 2' Depth March 2, 2018
APTIM 725 US Highway 301 South Tampa, FL 33619 www.CBI.com	

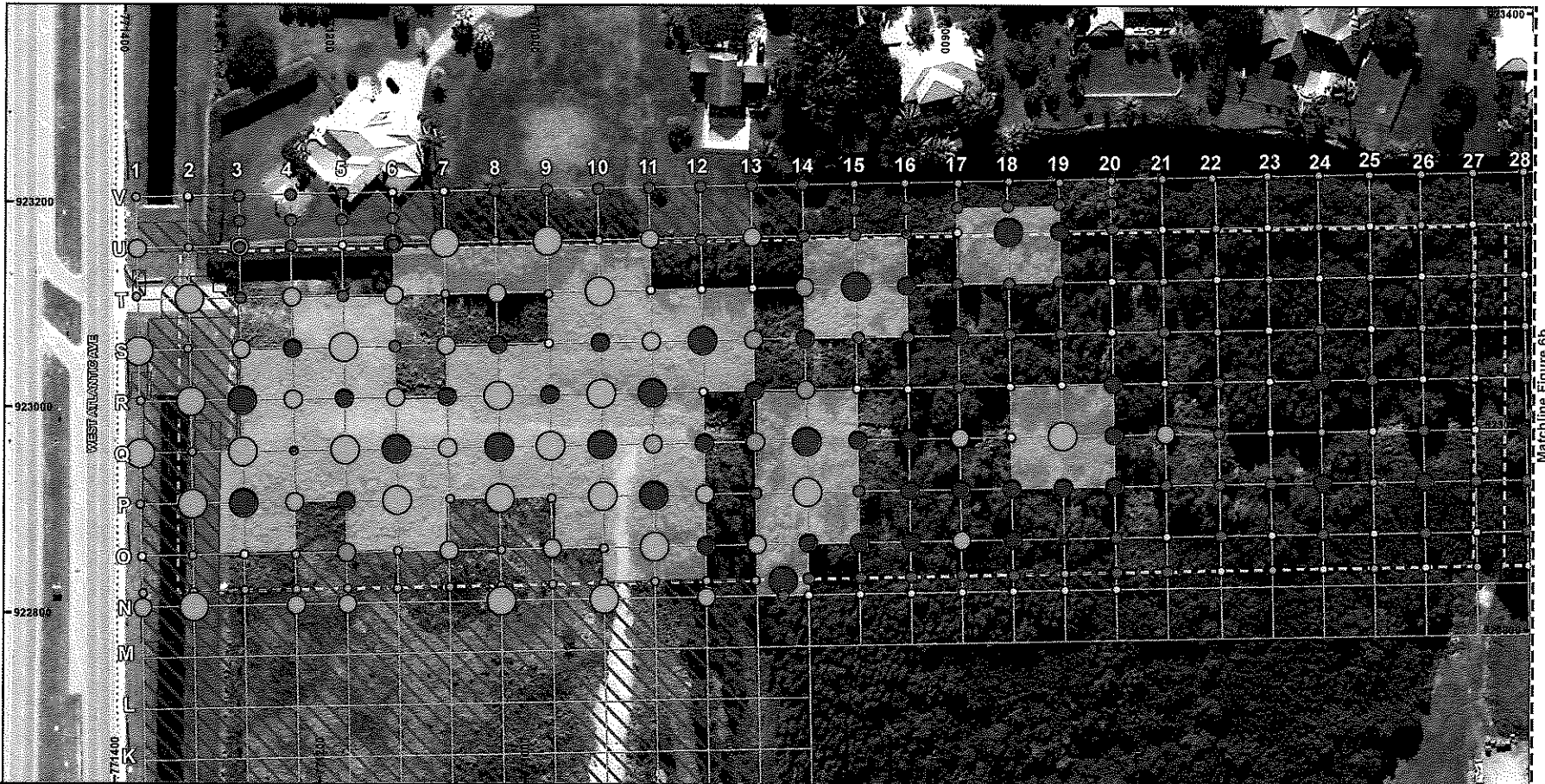
Matchline Figure 5d

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<p>Notes:</p> <ol style="list-style-type: none"> Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83). Background imagery is ESRI's Imagery basemap, flown May 20, 2015. Property boundary was downloaded from the Palm Beach County Countywide GIS website. Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2018. 		<p>Legend:</p> <ul style="list-style-type: none"> Property Boundary Estimated Excavation Extent to Residential SCTL (to Date) No Sampling Sampled for Copper & Pesticides Sampled for Copper Only Sampled for Pesticides Only Proposed Sample Historical Residential Exposure SCTL Exceedance Historical Commercial Exposure SCTL Exceedance Residential Exposure SCTL Exceedance Commercial Exposure SCTL Exceedance 		<p>FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION</p> <p>Southern Crop Services 8778 Atlantic Avenue Delray Beach, Florida</p>	
<p>FIGURE NUMBER 5d</p>		<p>Distribution of Residential Exposure SCTL Exceedances 6" to 2' Depth March 2, 2018</p>			
<p>APTIM 725 US Highway 301 South Tampa, FL 33619 www.CBI.com</p>					





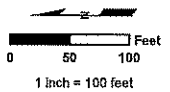
Matchline Figure 6b

Notes:

- Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAO 83).
- Background imagery is ESRI's imagery basemap, flown May 20, 2015.
- Property boundary was downloaded from the Palm Beach County Countywide GIS website.
- Historical soil borings collected by Ecology and Environment.
- Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018 and March 2018.

Legend:

- Property Boundary
- Previously Excavated from 0 to 6" bis
- Estimated Excavation Extent to Commercial SCTL (to Date)
- No Sampling
- Sampled for Copper & Pesticides
- Sampled for Copper Only
- Sampled for Pesticides Only
- Historical Residential Exposure SCTL Exceedance
- Historical Commercial Exposure SCTL Exceedance
- Residential Exposure SCTL Exceedance
- Commercial Exposure SCTL Exceedance



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION Southern Crop Services 8778 Atlantic Avenue Delray Beach, Florida	
FIGURE NUMBER 6a	Distribution of Commercial Exposure SCTL Exceedances 0 to 6" Depth March 2, 2018
APTIM 725 US Highway 301 South Tampa, FL 33619 www.CBI.com	

G:\Enterprise\SHAW\Tampa\147372_Southern_Crop_Services\Map\CBI_Site_Testing\Map\Figure 6b.mxd

Matching Figure 6a

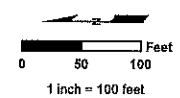


Notes:

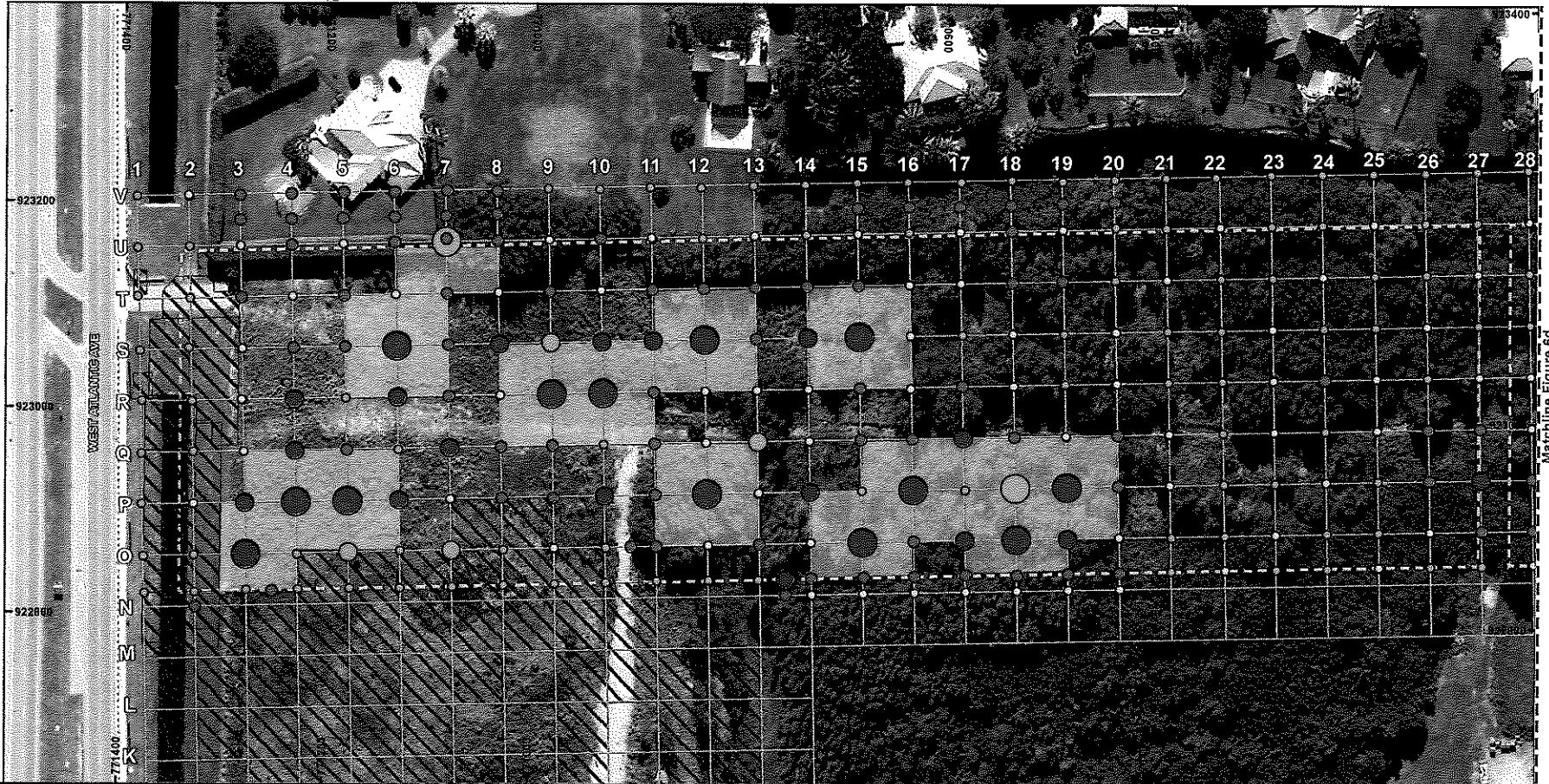
- Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
- Background imagery is ESRI's Imagery basemap, flown May 20, 2015.
- Property boundary was downloaded from the Palm Beach County Countywide GIS website.
- Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2018.

Legend:

- Property Boundary
- Estimated Excavation Extent to Commercial SCTL (to Date)
- No Sampling
- Sampled for Copper & Pesticides
- Sampled for Copper Only
- Sampled for Pesticides Only
- Historical Residential Exposure SCTL Exceedance
- Historical Commercial Exposure SCTL Exceedance
- Residential Exposure SCTL Exceedance
- Commercial Exposure SCTL Exceedance



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION Southern Crop Services 8778 Atlantic Avenue Delray Beach, Florida	
FIGURE NUMBER 6b	Distribution of Commercial Exposure SCTL Exceedances 0 to 6" Depth March 2, 2018
APTIM 725 US Highway 301 South Tampa, FL 33619 www.CBI.com	



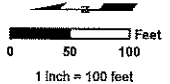
Matchline Figure 6c

Notes:

1. Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
2. Background imagery is ESRI's imagery basemap, flown May 20, 2015.
3. Property boundary was downloaded from the Palm Beach County Countywide GIS website.
4. Historical soil borings collected by Ecology and Environment.
5. Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2018.

Legend:

- Property Boundary
- Previously Excavated from 6" to 2' bis
- Estimated Excavation Extent to Commercial SCTL (to Date)
- No Sampling
- Sampled for Copper & Pesticides
- Sampled for Copper Only
- Sampled for Pesticides Only
- Historical Residential Exposure SCTL Exceedance
- Historical Commercial Exposure SCTL Exceedance
- Residential Exposure SCTL Exceedance
- Commercial Exposure SCTL Exceedance



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	
Southern Crop Services 8778 Atlantic Avenue Delray Beach, Florida	
FIGURE NUMBER 6c	Distribution of Commercial Exposure SCTL Exceedances 6" to 2' Depth March 2, 2018
APTIM 725 US Highway 301 South Tampa, FL 33619 www.CBI.com	

G:\Enterprise\SHAW\Tampa\14732_Southern_Crop_Services\Twd\CBI_Site_Testing\Mapa\Site_Testing_2016\Figure_6d.mxd

Matching Figure 6c

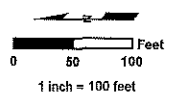


Notes:

1. Coordinates are in feet based on the Florida State Plane Coordinate System, East Zone, North American Datum of 1983 (NAD 83).
2. Background imagery is ESRI's Imagery basemap, flown May 20, 2015.
3. Property boundary was downloaded from the Palm Beach County Countywide GIS website.
4. Soil borings were collected on July 2013, April 2014, July-August 2015, June 2016, December 2016, March 2017, January 2018, and March 2, 2018.

Legend:

- Property Boundary
- Estimated Excavation Extent to Commercial SCTL (to Date)
- No Sampling
- Sampled for Copper & Pesticides
- Sampled for Copper Only
- Sampled for Pesticides Only
- Historical Residential Exposure SCTL Exceedance
- Historical Commercial Exposure SCTL Exceedance
- Residential Exposure SCTL Exceedance
- Commercial Exposure SCTL Exceedance



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	
Southern Crop Services 8778 Atlantic Avenue Delray Beach, Florida	
FIGURE NUMBER 6d	Distribution of Commercial Exposure SCTL Exceedances 6" to 2' Depth March 2, 2018
APTIM 725 US Highway 301 South Tampa, FL 33619 www.CBI.com	

Appendix A
Recent Soil Boring Logs

BORING LOG

Boring/Well Number: L45		Permit Number:		FDEP Facility Identification Number:	
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1426	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
		End Date: 01/04/18	End Time: 1430	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald	
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	L45 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: L46		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1421	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
		End Date: 01/04/18	End Time: 1425	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	L46 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: <p style="text-align: center;">L47</p>		Permit Number:		FDEP Facility Identification Number:							
Site Name: <p style="text-align: center;">Southern Crop</p>		Borehole Start Date: 01/04/18	Borehole Start Time: 1416	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
		End Date: 01/04/18	End Time: 1420	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: <p style="text-align: center;">APTIM</p>		Geologist's Name: <p style="text-align: center;">Kenyon Howard</p>		Environmental Technician's Name: <p style="text-align: center;">Kurtis McDonald</p>							
Drilling Company: <p style="text-align: center;">APTIM</p>		Pavement Thickness (inches): <p style="text-align: center;">NA</p>	Borehole Diameter (inches): <p style="text-align: center;">3</p>	Borehole Depth (feet): <p style="text-align: center;">0.5</p>							
Drilling Method(s): <p style="text-align: center;">Hand Auger</p>	Apparent Borehole DTW (in feet from soil moisture content): <p style="text-align: center;">NA</p>	Measured Well DTW (in feet after water recharges in well): <p style="text-align: center;">NA</p>	OVA (list model and check type): <p style="text-align: right;"><input type="checkbox"/> FTD <input type="checkbox"/></p>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	L47 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: <p style="text-align: center;">L48</p>		Permit Number:		FDEP Facility Identification Number:	
Site Name: <p style="text-align: center;">Southern Crop</p>		Borehole Start Date: 01/04/18	Borehole Start Time: 1411	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
		End Date: 01/04/18	End Time: 1415	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
Environmental Contractor: <p style="text-align: center;">APTIM</p>		Geologist's Name: <p style="text-align: center;">Kenyon Howard</p>		Environmental Technician's Name: <p style="text-align: center;">Kurtis McDonald</p>	
Drilling Company: <p style="text-align: center;">APTIM</p>		Pavement Thickness (inches): <p style="text-align: center;">NA</p>	Borehole Diameter (inches): <p style="text-align: center;">3</p>	Borehole Depth (feet): <p style="text-align: center;">0.5</p>	
Drilling Method(s): <p style="text-align: center;">Hand Auger</p>	Apparent Borehole DTW (in feet from soil moisture content): <p style="text-align: center;">NA</p>	Measured Well DTW (in feet after water recharges in well): <p style="text-align: center;">NA</p>	OVA (list model and check type): <p style="text-align: right;"><input type="checkbox"/> FTD <input type="checkbox"/></p>		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	L48 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: <p style="text-align: center;">L49</p>		Permit Number:		FDEP Facility Identification Number:	
Site Name: <p style="text-align: center;">Southern Crop</p>		Borehole Start Date: 01/04/18	Borehole Start Time: 1405 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM		
		End Date: 01/04/18	End Time: 1410 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM		
Environmental Contractor: <p style="text-align: center;">APTIM</p>		Geologist's Name: <p style="text-align: center;">Kenyon Howard</p>		Environmental Technician's Name: <p style="text-align: center;">Kurtis McDonald</p>	
Drilling Company: <p style="text-align: center;">APTIM</p>		Pavement Thickness (inches): <p style="text-align: center;">NA</p>	Borehole Diameter (inches): <p style="text-align: center;">3</p>		Borehole Depth (feet): <p style="text-align: center;">0.5</p>
Drilling Method(s): <p style="text-align: center;">Hand Auger</p>	Apparent Borehole DTW (in feet from soil moisture content): NA		Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	L49 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M45 S25		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1516	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
		End Date: 01/04/18	End Time: 1520	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	M45 S25 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M45		Permit Number:		FDEP Facility Identification Number:	
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1511 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 01/04/18	End Time: 1515 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald	
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	M45 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M45 W25 S25		Permit Number:		FDEP Facility Identification Number:	
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1506	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
		End Date: 01/04/18	End Time: 1510	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald	
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	M45 W25 S25 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M46		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1400 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 01/04/18	End Time: 1406 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	M46 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M46 W25		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1405 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM								
		End Date: 01/04/18	End Time: 1407 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM								
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	M46 W25 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M47 W25		Permit Number:		FDEP Facility Identification Number:	
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1446 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 01/04/18	End Time: 1450 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald	
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	M47 W25 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M48 S25		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1355	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
		End Date: 01/04/18	End Time: 1400	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	M48 S25 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M48		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1325 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 01/04/18							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	M48 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M48 W25 S25		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1345	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
		End Date: 01/04/18	End Time: 1350	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, it gray to gray, no petroleum odor	SW	D	M48 W25 S25 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M48 W25		Permit Number:		FDEP Facility Identification Number:								
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1336	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM							
		End Date: 01/04/18	End Time: 1340	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald								
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5								
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>									
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>												
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)												
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	M48 W25 (0.0-0.5)	
							2	Bottom of Borehole				
							3					
							4					
							5					
							6					
							7					
							8					
							9					
							10					
							11					
							12					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: M49		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1435 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 03/02/18							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5							
Drilling Method(s): Hand Auger		Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>							
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	M49 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: N13 S25		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1730 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 01/04/18							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>							
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input checked="" type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	N13 S25 (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	N13 S25 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: N45 W25 S25		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1456	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
		End Date: 01/04/18	End Time: 1500	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	N45 W25 S25 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: N48 W25 S25		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1526	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
		End Date: 01/04/18	End Time: 1530	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5							
Drilling Method(s): Hand Auger		Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>							
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	N48 W25 S25 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN13 S25		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1735	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
		End Date: 01/04/18	End Time: 1745	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN13 S25 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: Swale NE		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1650 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 01/04/18							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger		Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>							
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	Swale NE (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	Swale NE (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole, HA = Hand Auger, SS = Split Spoon, ST = Shelby Tube, DP = Direct Push, SC = Sonic Core, DC = Drill Cuttings
 Moisture Content Codes: D = Dry, M = Moist, W = Wet, S = Saturated

BORING LOG

Boring/Well Number: Swale NW		Permit Number:		FDEP Facility Identification Number:								
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1545 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 01/04/18								
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald								
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0								
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>									
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>												
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)												
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	Swale NW (0.0-0.5)	
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	Swale NW (0.5-2.0)	
							3	Bottom of Borehole				
							4					
							5					
							6					
							7					
							8					
							9					
							10					
							11					
							12					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: Swale SE		Permit Number:		FDEP Facility Identification Number:								
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1705 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM									
		End Date: 01/04/18	End Time: 1710 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM									
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald								
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0								
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>												
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)												
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	Swale SE (0.0-0.5)	
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	Swale SE (0.5-2.0)	
							3	Bottom of Borehole				
							4					
							5					
							6					
							7					
							8					
							9					
							10					
							11					
							12					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: Swale SW		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 01/04/18	Borehole Start Time: 1600	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
		End Date: 01/04/18	End Time: 1605	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: Kurtis McDonald							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	Swale SW (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	Swale SW (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN-41		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1040	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
		End Date: 03/02/18	End Time: 1045	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger		Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>							
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN41 (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN41 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN42		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1055	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
		End Date: 03/02/18	End Time: 1100	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked):											
<input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other											
Borehole Completion (check one):											
<input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN42 (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN42 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN43		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1110	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
		End Date: 03/02/18	End Time: 1115	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN43 (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN43 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN44		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1120 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: 03/02/18	End Time: 1125 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN44 (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN44 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN45		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1200 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 03/02/18							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN45 (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN45 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN46		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1400	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
		End Date: 03/02/18	End Time: 1405	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN46 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN50		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1410	<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM							
		End Date: 03/02/18	End Time: 1415	<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 0.5							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN50 (0.0-0.5)
							2	Bottom of Borehole			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN51		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1430 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 03/02/18							
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FID <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN51 (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN51 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN52		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18 End Date: 03/02/18	Borehole Start Time: 1450 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM End Time: 1455 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM								
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN52 (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN52 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN53		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1500 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 03/02/18	End Time: 1515 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN53 (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN53 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: PLN54		Permit Number:		FDEP Facility Identification Number:							
Site Name: Southern Crop		Borehole Start Date: 03/02/18	Borehole Start Time: 1530 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 03/02/18	End Time: 1535 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM						
Environmental Contractor: APTIM		Geologist's Name: Kenyon Howard		Environmental Technician's Name: John Harris							
Drilling Company: APTIM		Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.0							
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): NA	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input type="checkbox"/> FTD <input type="checkbox"/>								
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description <small>(include grain size based on USCS, odors, staining, and other remarks)</small>	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA			-	-	-	-	1	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN54 (0.0-0.5)
HA			-	-	-	-	2	Silty fine SAND, poorly sorted, loose, lt gray to gray, no petroleum odor	SW	D	PLN54 (0.5-2.0)
							3	Bottom of Borehole			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

Appendix B
Field Notes

Location: Southern Cap Services
 Date: 01/04/18
 Project / Client: EDEP Haz Waste

Crew: Kenyon Howard
 Kurha Mc Donald

Tool: Soil Sampling

Weather: Clear to partly cloudy, 65-75°F, wind out of NW
 5-10 mph, low humidity

Equipment: Agilent HPLC/MS; (3) hand augurs, 6' increments
 soil hons., soil sampling kits, all sand, GPS,
 cell phone (2).

(0800) loading up truck at office

(0900) left office for job site

(1155) on site - met with Tread owner/manager

(1215) H's fall gate meeting, site walk through,
 pit cleaning, soil sampling equipment.

(1230) Marking of soil boring locations on Tread property
 Most of the locations were located under the
 screened areas within the nursery.
 Auger of borrow

(1300) Sketched soil sampling activities

(1330) M48 (0.5-0.0)

(1340) M48 W25 (0.0-0.5)

(1350) M48 W25 525 (0.0-0.5)

(1400) M48 525 (0.0-0.5)

(1406) M46 (0.5-2.0)

(1407) M46 W25 (0.0-0.5)

(1410) L49 (0.0-0.5)

(1415) L48 (0.0-0.5)

(1420) L47 (0.0-0.5)

(1425) L46 (0.0-0.5)

(1430) L45 (0.0-0.5)

(1440) M49 (0.0-0.5)

(1450) M47 W25 (0.0-0.5)

(1500) N48 W25 525 (0.0-0.5)

(1510) M45 W25 525 (0.0-0.5)

(1525) M45 (0.0-0.5)

(1530) M45 525 (0.0-0.5)

(1930) N48 W25 525 (0.0-0.5)

(1945) Guide NW (0.0-0.5)

(1950) Guide NW (0.5-2.0)

(1600) Guide SW (0.0-0.5)

(1605) Guide SW (0.5-2.0)

Location: Southern Cap Services
 Date: 01/04/18
 Project / Client: EDEP Haz Waste

Sotham Corp Services
01/04/18
FDEP Haz Waste

(1652) Sault NE (0.0-0.5)

(1653) Sault NE (0.5-2.0)

(1705) Sault SE (0.0-0.5)

(1710) Sault SE (0.5-2.0)

(1730) N13 (0.0-0.5)

(1735) N13 (0.5-2.0)

(1745) PLN13 525 (0.5-2.0)

All of the samples were analyzed for OC
Pesticides by 80818

Progs were determined between each sample.

All of the borings were backfilled back to grade.

(1815) Secured equipment. Recorder was placed
in a 5-gallon bucket and labeled as such.
Left on site

(1830) Off site returns to office.

(2055) end of day in the field

King of Norway

Dayton Beach, FL

Project / Client: 7-Eleven #24148

Date: 3/1/18

CREW: John Harris
> APTIM
Ante Rodde

TASK: Groundwater sampling FDEP

WEATHER: 84° F. Partly cloudy. Wind SW 14 MPH.

(1020): Arrived on site. Conducted site walk through.

Opened all wells. Conducted instrument, collected BTW

Well #	BTW (ft)	Flow	Temp
MW-1	7.19	1220	1239
MW-2	7.14	1133	1149
MW-3	6.60	1305	1320
MW-4	7.71	1340	1355
MW-5	7.97	1312	1330
MW-6	7.42	1130	1147
MW-7	7.00	1221	1239

(1410): Sampling complete. Left site. Checked instrument calibration

(1540): Samples delivered to Accutest.

Returned to office.

Vehicle #: 101984

Starting mileage: 91562

Return mileage: 91716

3/1/18

Dayton Beach, FL

Project / Client: FDEP Southern Camp

Date: 3/2/18

CREW: John Harris
> APTIM
Region Howard

TASK: Soil sampling Property Line

WEATHER: 84° F. Partly cloudy. Wind NW 13 MPH.

(1030): Arrived on site. Conducted site walk through.

Met with Eric Rimmer. Went to sampling locations.

(1035): Began sampling.

Sample #	Depth (ft)	Times Sampled
PLN 41	0.0-0.5	1040
PLN 41	0.5-2.0	1045
PLN 42	0.0-0.5	1055
PLN 42	0.5-2.0	1100
PLN 43	0.0-0.5	1110
PLN 43	0.5-2.0	1115
PLN 44	0.0-0.5	1120
PLN 44	0.5-2.0	1125
PLN 45	0.0-0.5	1200
PLN 45	0.5-2.0	1205
PLN 46	0.5-2.0	1400
PLN 50	0.0-0.5	1410
PLN 52	0.0-0.5	1450
PLN 52	0.5-2.0	1455
PLN 62	0.5-2.0	1435

3/2/88

Dodg Beach FL
 Project / Client FDES Sathon Corp

122

Location

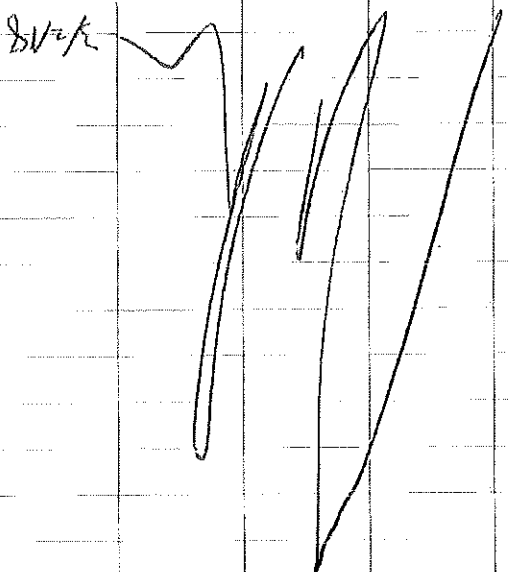
Date

Sample #	Depth (ft)	Time Sampled
PLN 52	0.0-0.5	14:50
PLN 52	0.5-2.0	14:55
PLN 53	0.0-0.5	15:00
PLN 53	0.5-2.0	15:15
PLN 54	0.0-0.5	15:30
PLN 54	0.5-2.0	15:35

(1600) Sampling complete. Left site soil samples & BW 1st
 (1950) Returns to office.

Vehicle # 101984

Starting mileage: 91716
 Return mileage: 92130



123

Date

Location

Project / Client

Return on Return

Appendix C
Historic Analytical Maps, Ecology and Environment,
Updated June 2008

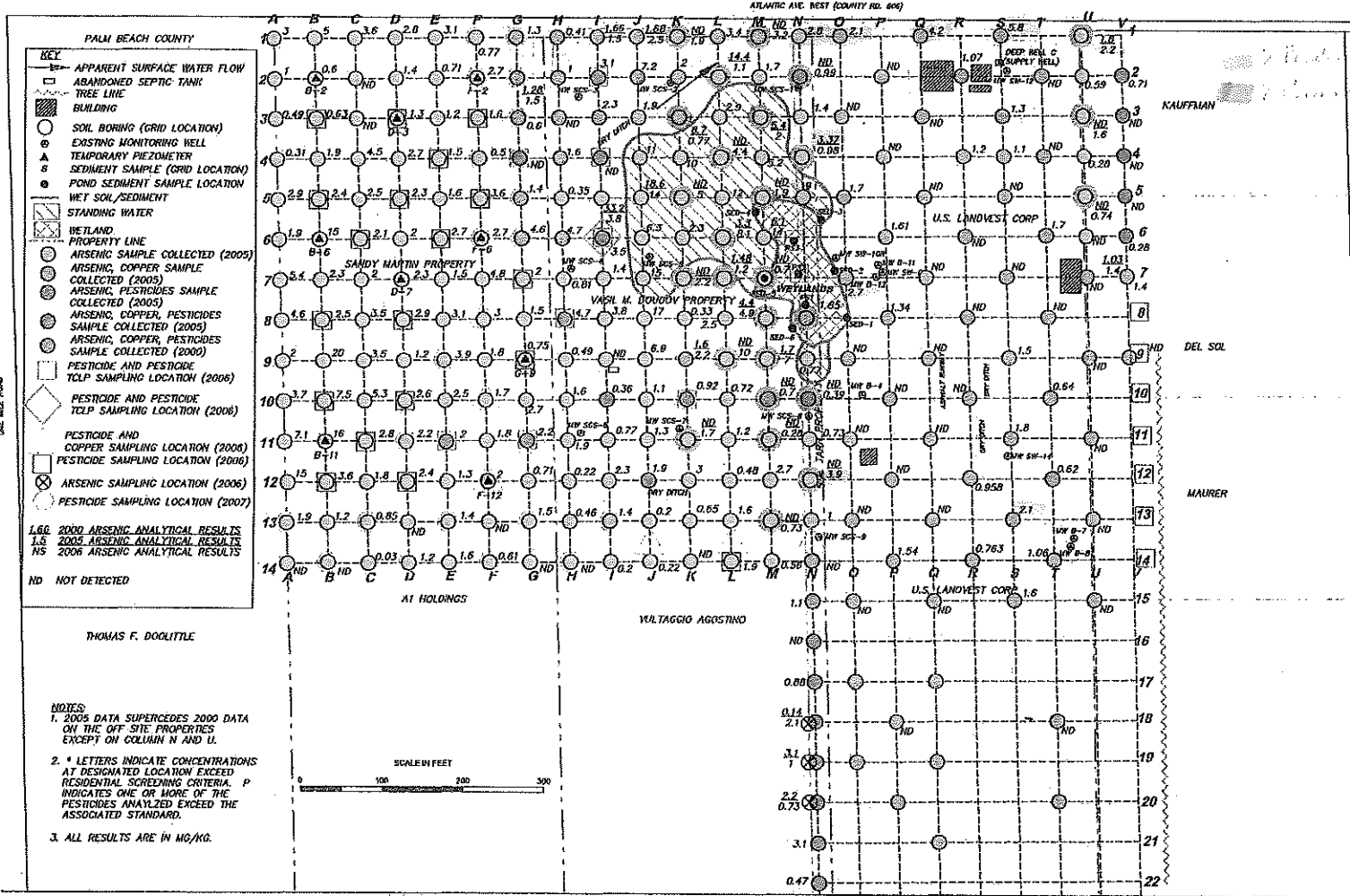
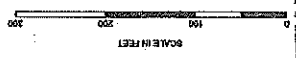


Figure 1 ARSENIC CONCENTRATIONS IN SOIL, 0-6"

SOUTHERN CROP SERVICES
 DELRAY BEACH, PALM BEACH COUNTY,
 FLORIDA
 UPDATED JUNE 2008



- NOTES:
- 2005 DATA SUPERSEDES 2000 DATA ON THE SITE PROPERTIES
 - 2005 DATA SUPERSEDES 2000 DATA EXCEPT ON COLUMN H AND U
 - LETTERS INDICATE CONCENTRATIONS AT DESIGNATED LOCATIONS
 - PERCENTAGE OF THE INDICATES ONE OR MORE OF THE PERIODS ANALYZED EXCEED THE ASSOCIATED STANDARD
 - ALL RESULTS ARE IN MG/KG



THOMAS F. DOUGLASS

- REG APPARENT SURFACE WATER FLOW
- ABANDONED SEPTIC TANK
- BUILDING
- SOIL BORING (GRID LOCATION)
- EXISTING MONITORING WELL
- TEMPORARY RESOLETER
- RESIDUAL SAMPLE LOCATION
- WET SOIL SEGMENT
- RETAINING WALL
- PROPERTY LINE
- ASBESTOS SAMPLE COLLECTED (2005)
- ASBESTOS COPPER SAMPLE
- COLLECTED (2005) ASBESTOS, PESTICIDES SAMPLE
- ASBESTOS, COPPER, PESTICIDES SAMPLE COLLECTED (2005)
- ASBESTOS, COPPER, PESTICIDES SAMPLE COLLECTED (2000)
- PESTICIDE AND PESTICIDE TOP SAMPLING LOCATION (2006)
- PESTICIDE AND PESTICIDE TOP SAMPLING LOCATION (2005)
- COPPER SAMPLING LOCATION (2006)
- COPPER SAMPLING LOCATION (2005)
- ASBESTOS SAMPLING LOCATION (2006)
- ASBESTOS SAMPLING LOCATION (2005)
- U.S. 2005 ASBESTOS ANALYTICAL RESULTS
- ND NOT DETECTED

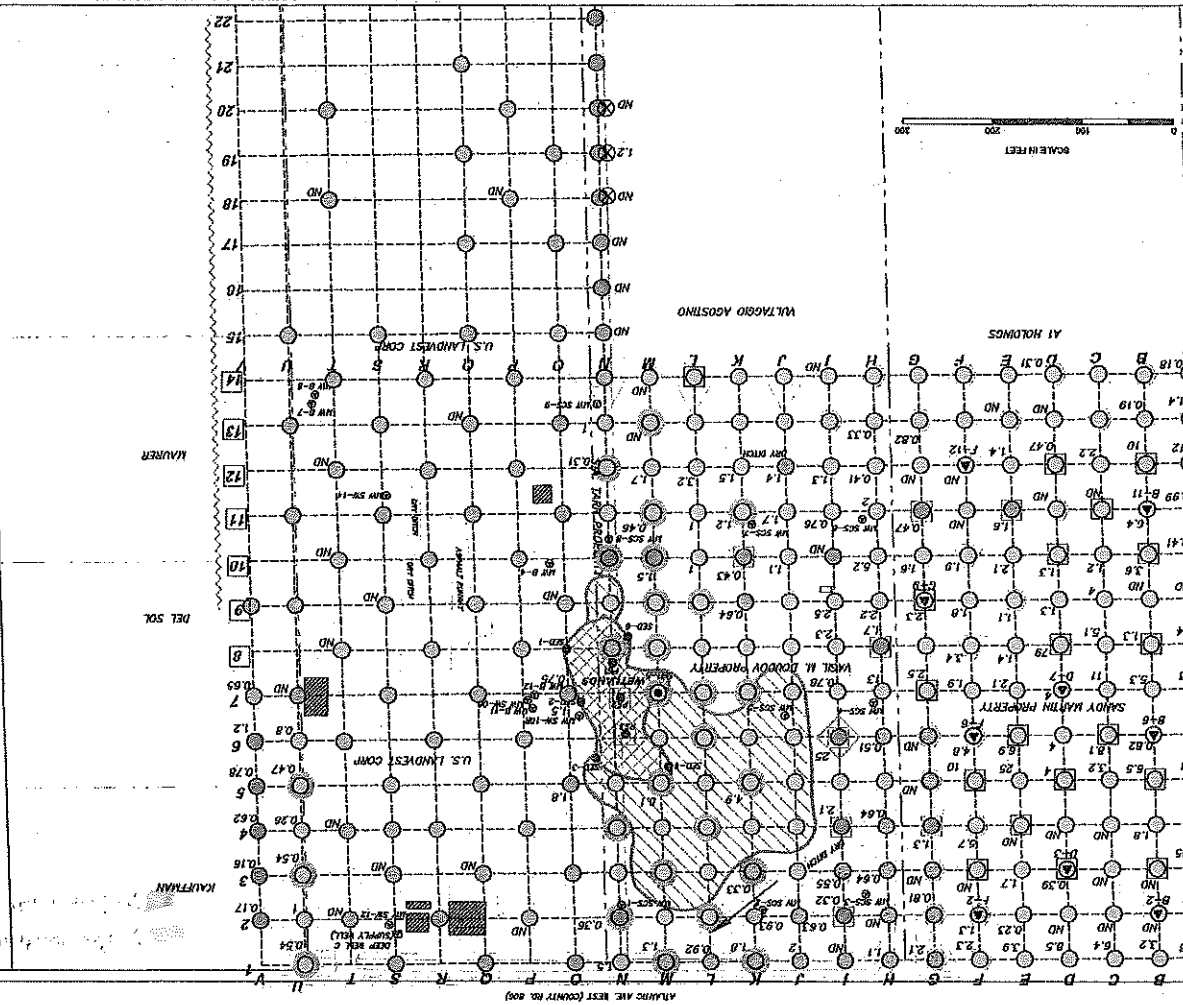


Figure 2
ARSENIC CONCENTRATIONS IN SOIL, 6'-2'
SOUTHERN CROP SERVICES
DELAZ BEACH, PALM BEACH COUNTY,
FLORIDA
UPDATED JUNE 2008

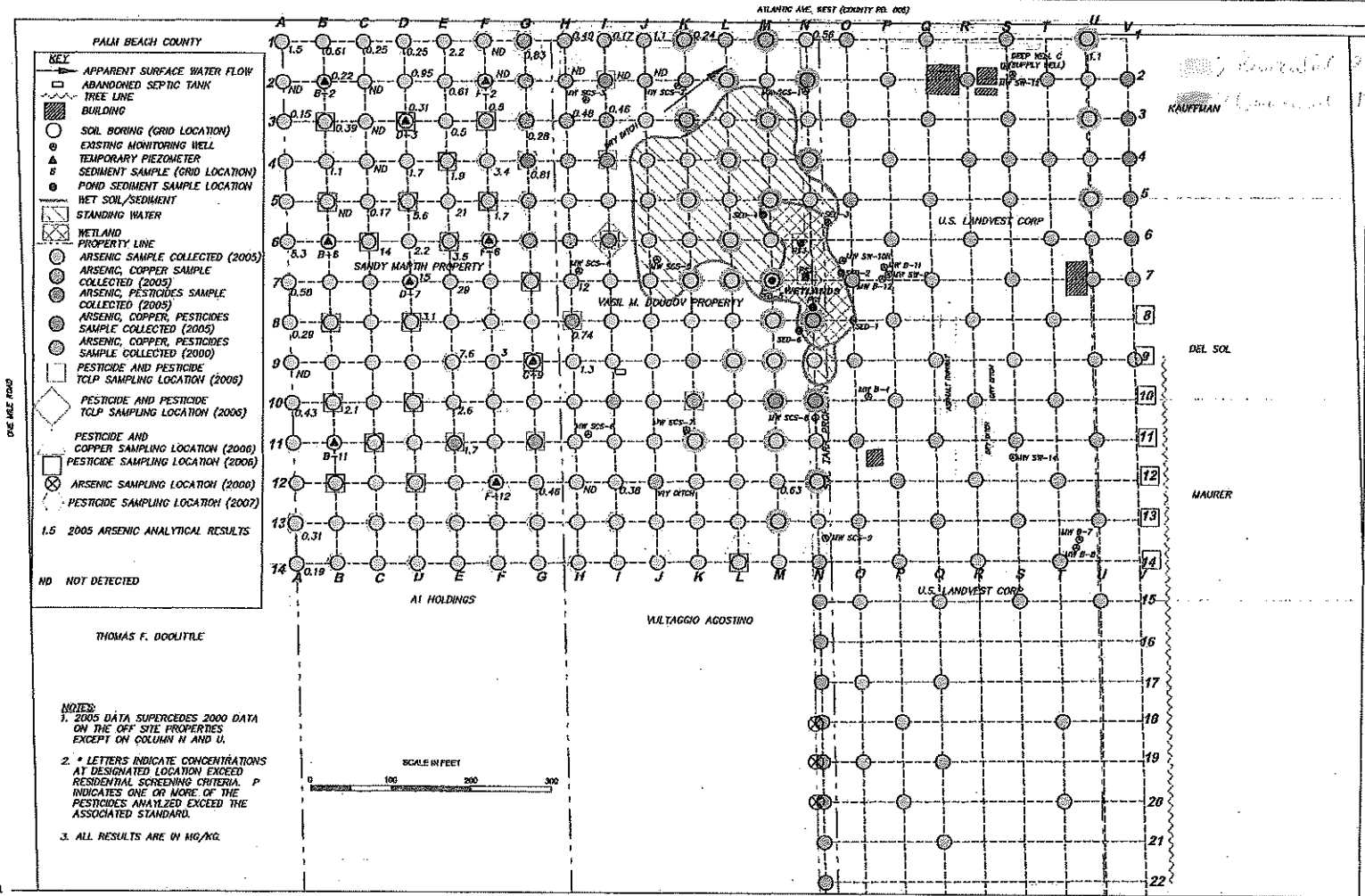
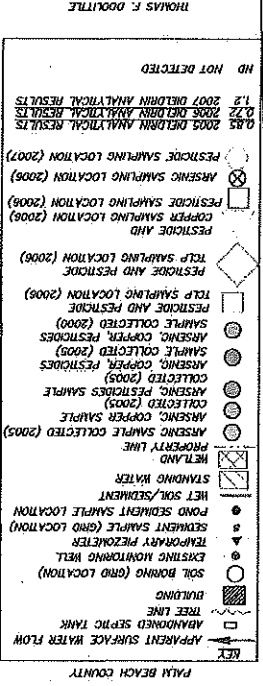


Figure 3 ARSENIC CONCENTRATIONS IN SOIL, 2'-3'

SOUTHERN CROP SERVICES
 DELRAY BEACH, PALM BEACH COUNTY,
 FLORIDA
 UPDATED JUNE 2008



ONE INCH EQUAL



- NOTES:
1. 2005 DATA SUPERSEDES 2000 DATA ON THE SITE PROPERTIES EXCEPT ON COLUMN N AND U.
 2. * LETTERS INDICATE CONCENTRATIONS AT DESIGNATED LOCATION EXCEPT AT DESIGNATED SCREENING CRITERIA. INDICATES ONE OR MORE OF THE PESTICIDES ANALYZED EXCEEDED THE ASSOCIATED STANDARD.
 3. ALL RESULTS ARE IN $\mu\text{G/KG}$.

Figure 4
DIELDRIN CONCENTRATIONS IN SOIL, 0-6"
SOUTHERN CROP SERVICES
DELRAY BEACH, PALM BEACH COUNTY,
FLORIDA
UPDATED JUNE 2008

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NOTES

- 2005 DATA SUPERSEDES 2000 DATA ON THE SITE PROPERTIES EXCEPT ON COLUMN N AND U.
- LETTERS INDICATE CONCENTRATIONS AT DESIGNATED LOCATION EXCEPT AT DESIGNATED SCREENING CRITERIA. P INDICATES ONE OR MORE OF THE PESTICIDES AMOUNT EXCEED THE ASSOCIATED STANDARD.
- ALL RESULTS ARE IN $\mu\text{G}/\text{KG}$.

- PALM BEACH COUNTY
- APPARENT SURFACE WATER FLOW
 - ABANDONED SEPTIC TANK
 - TREE LINE
 - BUILDING
 - SOIL BORING (GRID LOCATION)
 - EXISTING MONITORING WELL
 - TEMPORARY MEZONETER
 - SEDIMENT SAMPLE LOCATION
 - POND SEDIMENT SAMPLE LOCATION
 - MET SOIL/SEDIMENT
 - STANDING WATER
 - PROPERTY LINE
 - ANISEMIC SAMPLE COLLECTED (2005)
 - ANISEMIC COPPER SAMPLE
 - COLLECTED (2005)
 - ANISEMIC, PESTICIDES SAMPLE COLLECTED (2005)
 - ANISEMIC, COPPER, PESTICIDES SAMPLE COLLECTED (2005)
 - ANISEMIC, COPPER, PESTICIDES SAMPLE COLLECTED (2000)
 - PESTICIDE AND PESTICIDE TCFP SAMPLING LOCATION (2000)
 - PESTICIDE AND PESTICIDE TCFP SAMPLING LOCATION (2006)
 - PESTICIDE SAMPLING LOCATION (2006)
 - PESTICIDE SAMPLING LOCATION (2006)
 - PESTICIDE AND PESTICIDE TCFP SAMPLING LOCATION (2007)
 - 2005 DELTRIN ANALYTICAL RESULTS
 - 2006 DELTRIN ANALYTICAL RESULTS
 - 2007 DELTRIN ANALYTICAL RESULTS
 - ND NOT DETECTED

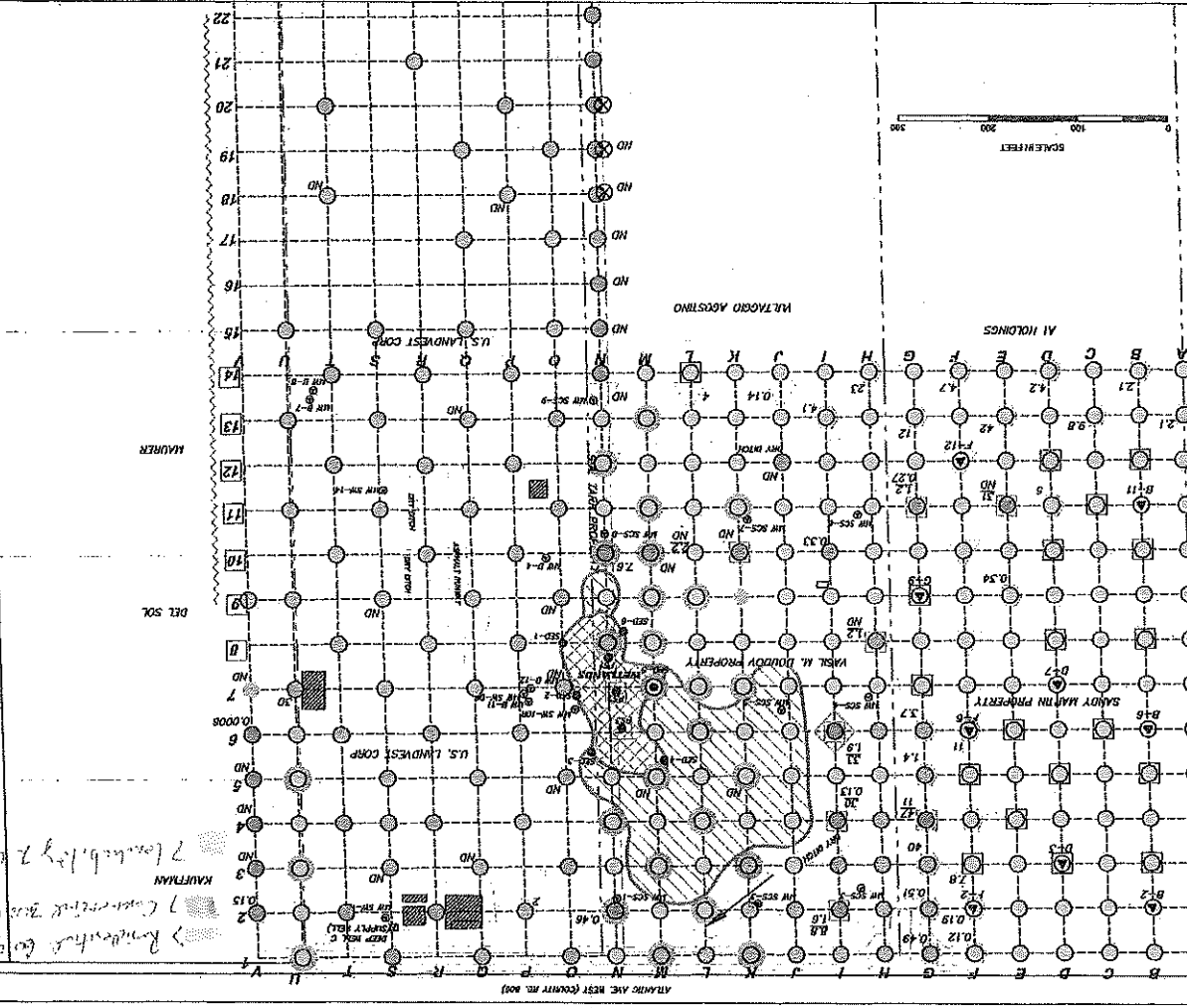
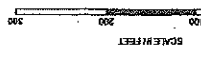


Figure 5
DIELDRIN CONCENTRATIONS IN SOIL, 6'-2'

SOUTHERN CROP SERVICES
DELRAY BEACH, PALM BEACH COUNTY,
FLORIDA
UPDATED JUNE 2008

Handwritten notes in the bottom left corner:

- 2 Contaminated Area
- 2 Contaminated Area
- 2 Contaminated Area



- RET APPARENT SURFACE WATER FLOW
- ABANDONED SEPTIC TANK
- TREE LINE
- BUILDING
- SOIL BORING (GRID LOCATION)
- EXISTING MONITORING WELL
- TEMPORARY PEZOMETER
- SEDIMENT SAMPLE (GRID LOCATION)
- POND SEDIMENT SAMPLE LOCATION
- WET SOIL/SEWAGE
- STANDING WATER
- RETIARD
- PROPERTY LINE
- ASSESS SAMPLE COLLECTED (2005)
- ASSESS COPPER SAMPLE
- COLLECTED (2005)
- ASSESS, PESTICIDES SAMPLE
- COLLECTED (2005)
- ASSESS, COPPER, PESTICIDES
- SAMPLE COLLECTED (2005)
- ASSESS, COPPER, PESTICIDES
- SAMPLE COLLECTED (2005)
- PESTICIDE AND PESTICIDE
- TSP SAMPLING LOCATION (2006)
- PESTICIDE AND PESTICIDE
- TSP SAMPLING LOCATION (2006)
- COPPER SAMPLING LOCATION (2006)
- PESTICIDE SAMPLING LOCATION (2006)
- PESTICIDE SAMPLING LOCATION (2007)
- 2004, 4-DDE ANALYTICAL RESULTS
- 2003, 4-DDE ANALYTICAL RESULTS
- 2002, 4-DDE ANALYTICAL RESULTS
- 2001, 4-DDE ANALYTICAL RESULTS
- ND NOT DETECTED

- NOTES:
- 1. 2005 DATA SUPERCEDES 2000 DATA ON THE SITE PROFILES EXCEPT ON COLUMN N AND U.
- 2. LETTERS INDICATE CONCENTRATIONS AT DESIGNATED LOCATION EXCEED RESIDENTAL SCREENING CRITERIA. P INDICATES ONE OR MORE OF THE PESTICIDES MAY HAVE EXCEEDED THE ASSOCIATED STANDARD.
- 3. ALL RESULTS ARE IN µg/kg.

THOMAS F. DOOLITTLE

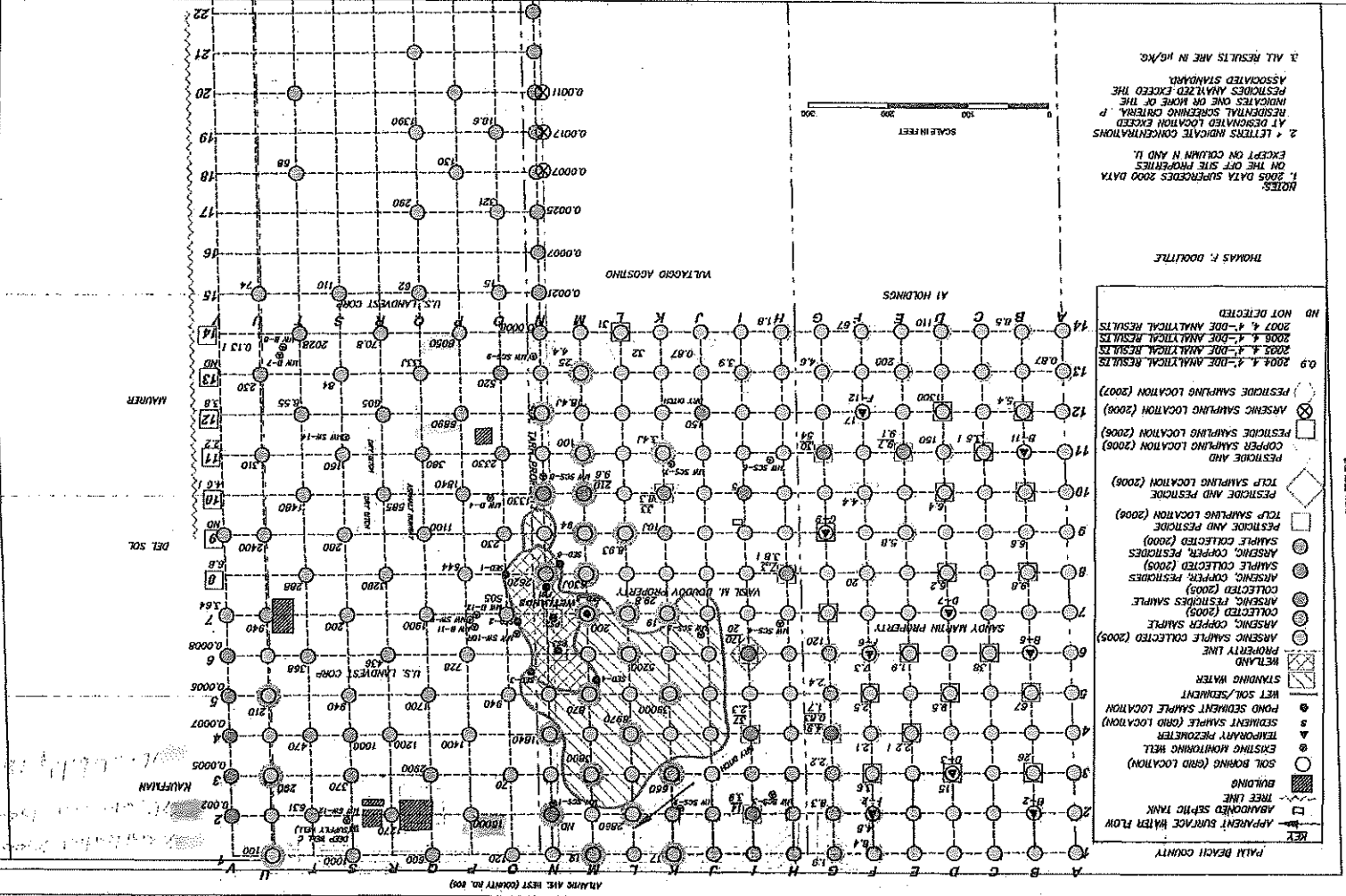


Figure 6 4-DDE CONCENTRATIONS IN SOIL, 0-6" SOUTHERN CROP SERVICES DELRAY BEACH, PALM BEACH COUNTY, FLORIDA UPDATED JUNE 2008



06-12397-0530.DWG

NOTES:
 1. 2005 DATA SUPERSEDES 2000 DATA ON THE SITE PROPERTIES EXCEPT ON COLUMN N AND U.
 2. * LETTERS INDICATE CONCENTRATIONS AT DESIGNATED LOCATION EXCEED AT RESIDENTIAL SCREENING CRITERIA INDICATES ONE OR MORE OF THE PESTICIDES ANALYZED EXCEED THE ASSOCIATED STANDARD.
 3. ALL RESULTS ARE IN $\mu\text{g}/\text{m}^3$.

THOMAS F. DOOLITTLE

- KEY
- APPARENT SURFACE WATER FLOW
 - MANHOLE SEPTIC TANK
 - TRAIL LINE
 - BUILDING
 - SOIL BORING (GRID LOCATION)
 - EXISTING MONITORING WELL
 - TEMPORARY PESTICIDE
 - SEDIMENT SAMPLE (GRID LOCATION)
 - POND SEDIMENT SAMPLE LOCATION
 - NET SOIL/SEDIMENT
 - STANDING WATER
 - WETLAND
 - PROPERTY LINE
 - ANEMO SAMPLE COLLECTED (2005)
 - ANEMO, COPPER SAMPLE
 - ANEMO, PESTICIDES SAMPLE
 - ANEMO, COPPER, PESTICIDES COLLECTED (2005)
 - ANEMO, COPPER, PESTICIDES SAMPLE COLLECTED (2005)
 - ANEMO, COPPER, PESTICIDES SAMPLE COLLECTED (2000)
 - ANEMO, COPPER, PESTICIDES SAMPLE COLLECTED (2000)
 - TCDF AND PESTICIDE
 - TCDF SAMPLING LOCATION (2000)
 - TCDF AND PESTICIDE
 - TCDF SAMPLING LOCATION (2000)
 - COPPER SAMPLING LOCATION (2000)
 - PESTICIDE SAMPLING LOCATION (2000)
 - ANEMO SAMPLING LOCATION (2006)
 - PESTICIDE SAMPLING LOCATION (2007)
- 0.9 2004 4-DDE ANALYTICAL RESULTS
 2005 3, 4-DDE ANALYTICAL RESULTS
 2007 4-DDE ANALYTICAL RESULTS
 ND NOT DETECTED

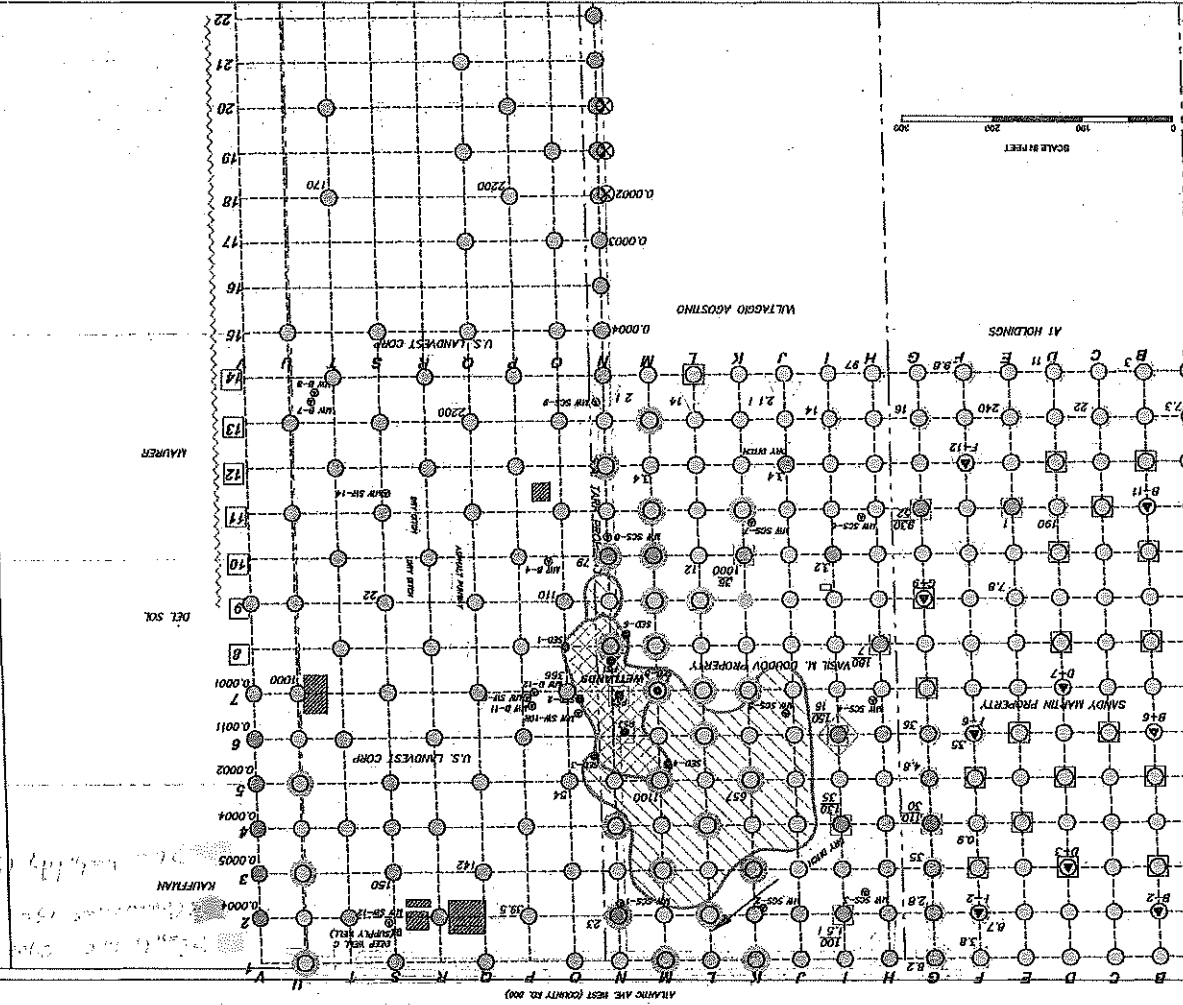


Figure 7
 4, 4-DDE CONCENTRATIONS IN SOIL, B-27
 SOUTHERN CROP SERVICES
 DELRAY BEACH, PALM BEACH COUNTY,
 FLORIDA
 UPDATED JUNE 2008

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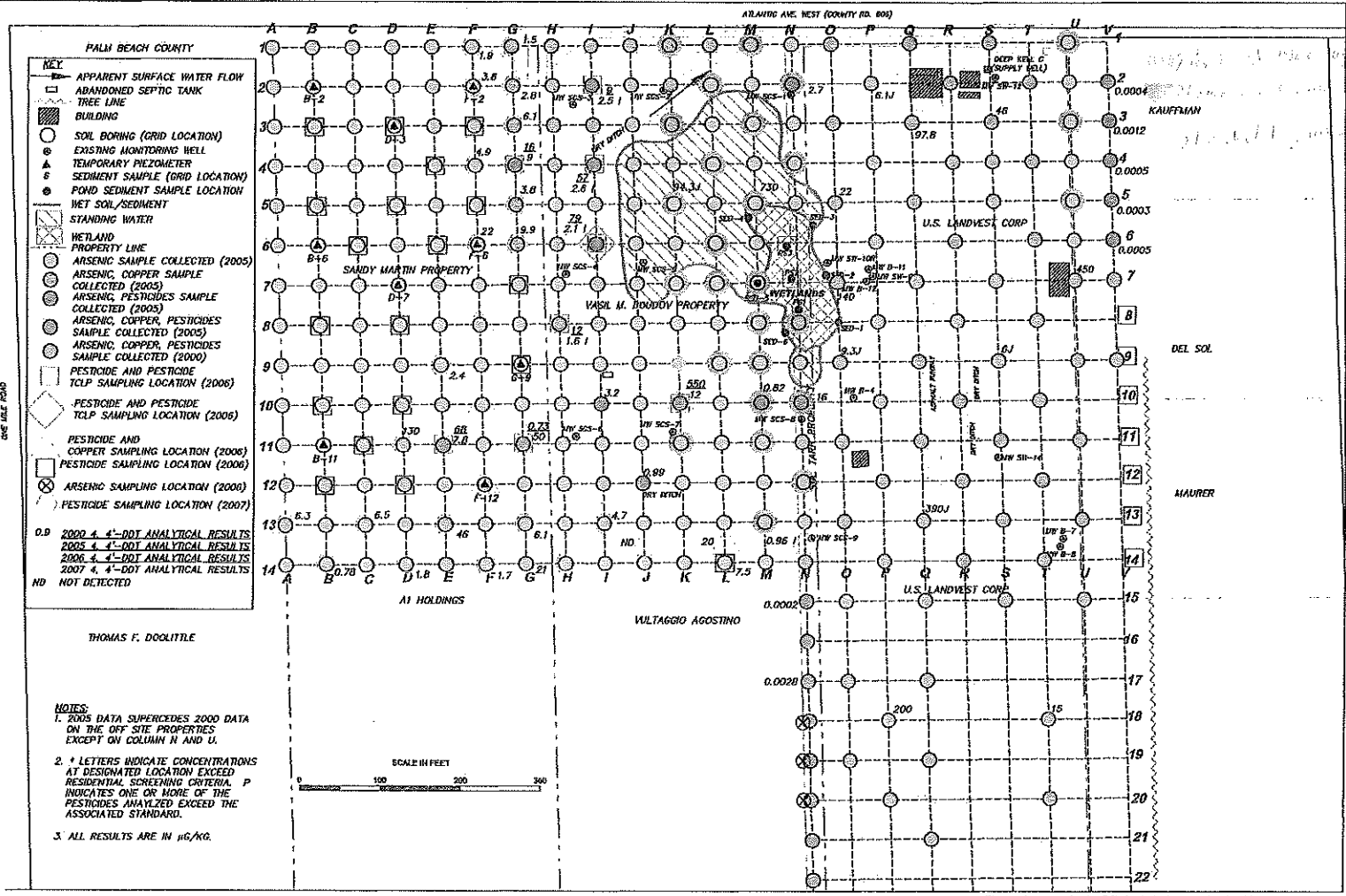


Figure 9 4, 4'-DDT CONCENTRATIONS IN SOIL, 6"-2"

SOUTHERN CROP SERVICES
 DELRAY BEACH, PALM BEACH COUNTY,
 FLORIDA
 UPDATED JUNE 2008

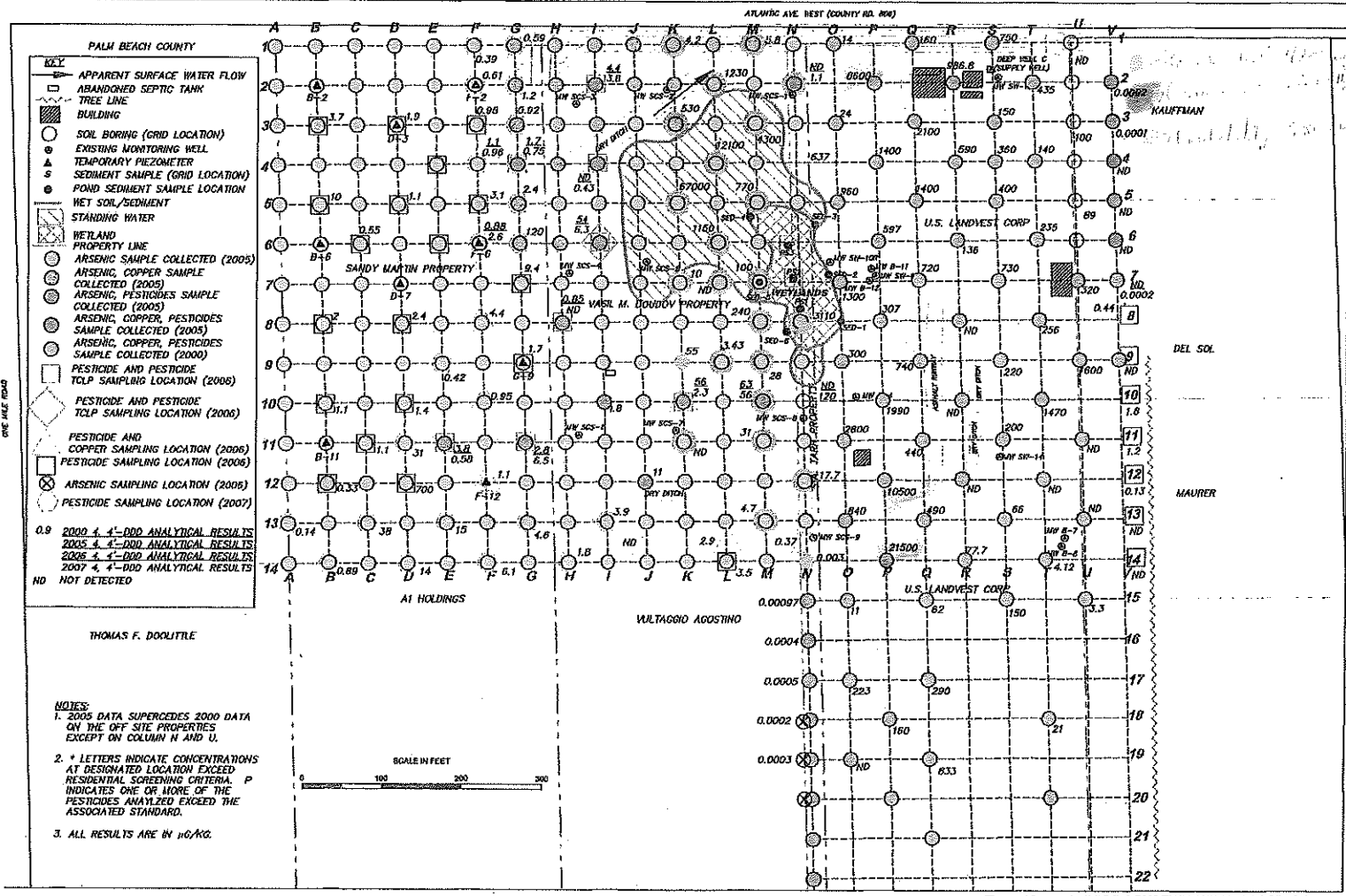


Figure 10 4,4'-DDD CONCENTRATIONS IN SOIL, 0-6"

SOUTHERN CROP SERVICES
 DELRAY BEACH, PALM BEACH COUNTY,
 FLORIDA
 UPDATED JUNE 2008

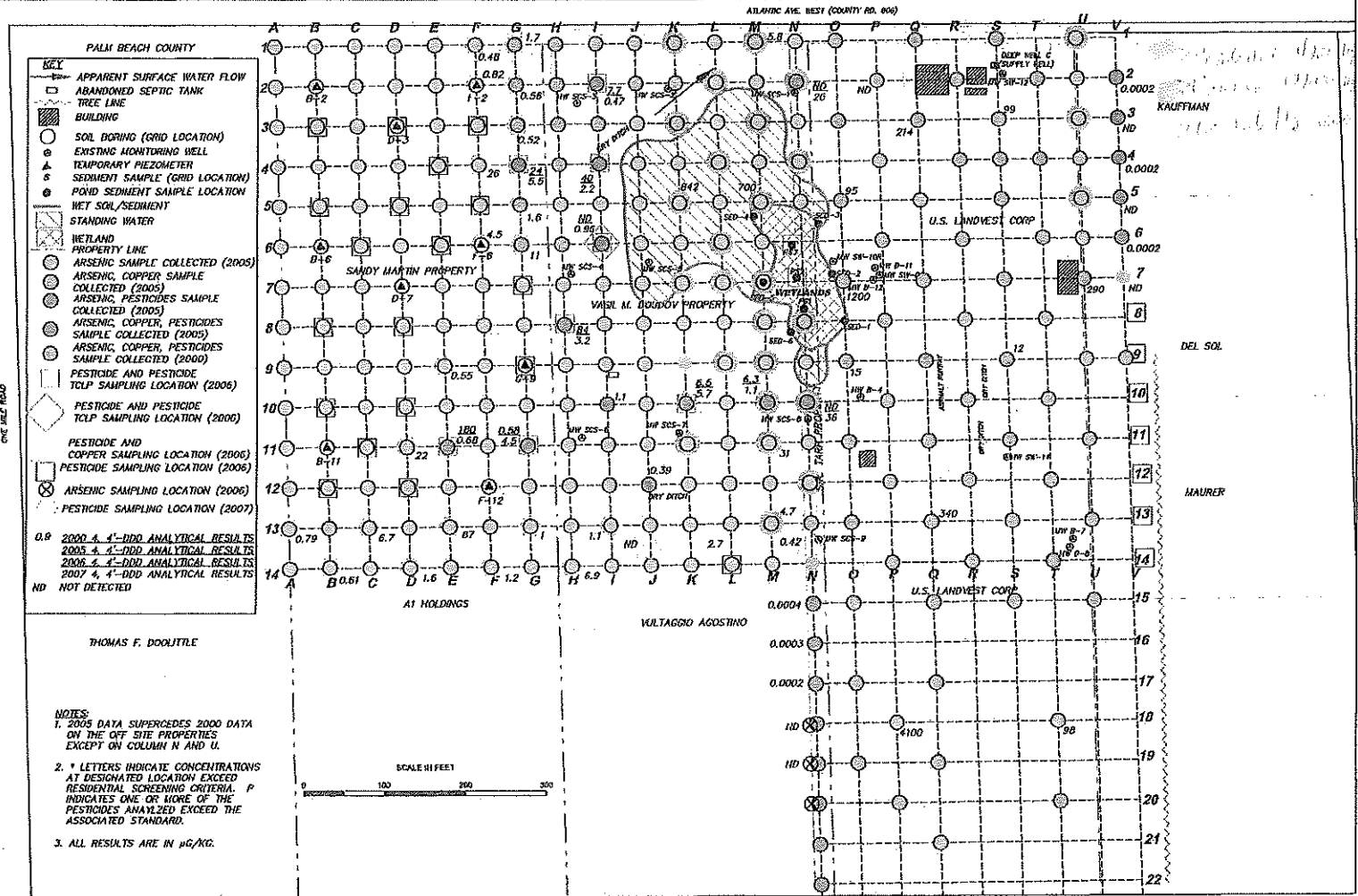
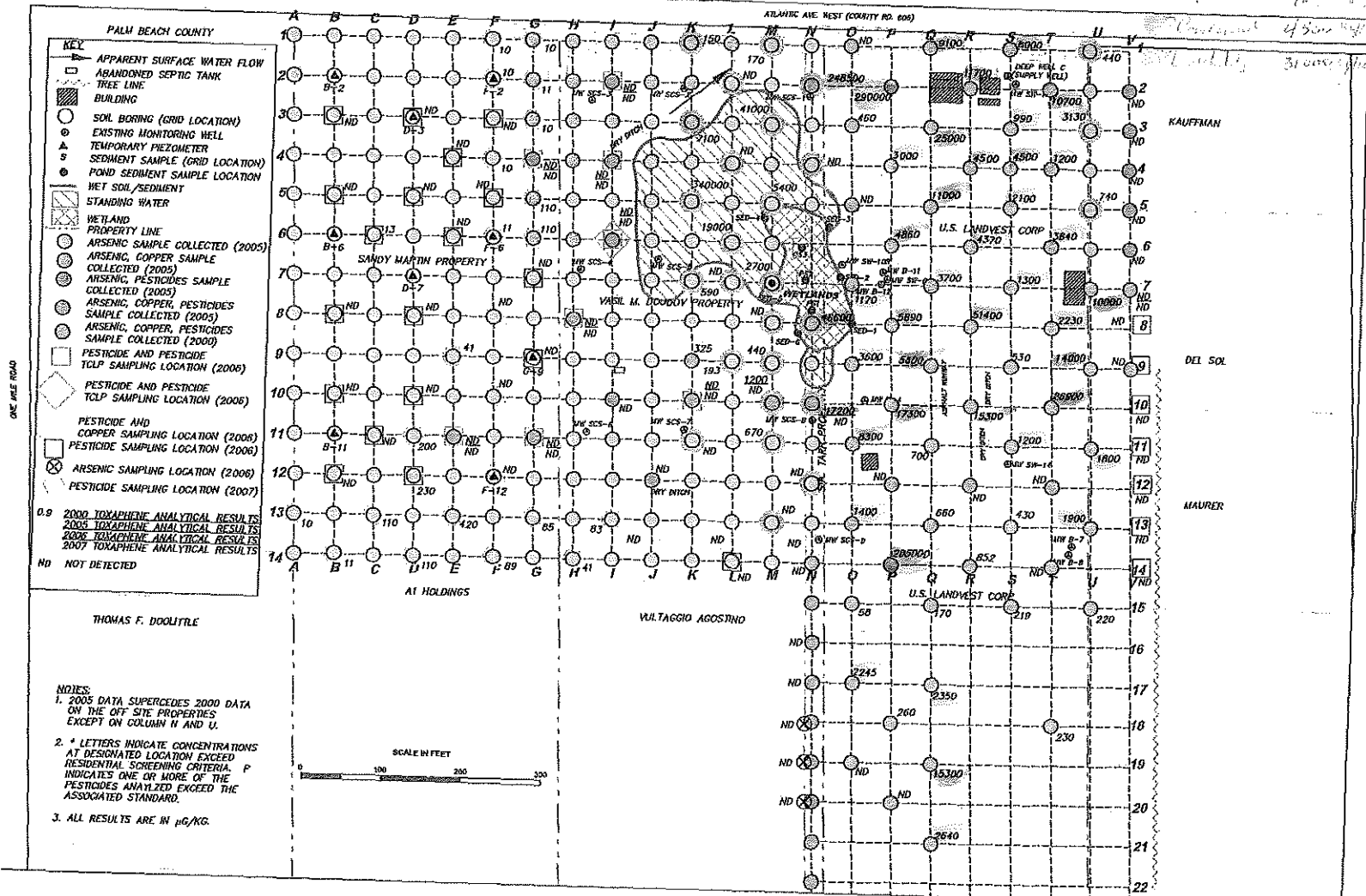


Figure 11 4,4'-DDD CONCENTRATIONS IN SOIL, 6"-2"
 SOUTHERN CROP SERVICES
 DELRAY BEACH, PALM BEACH COUNTY,
 FLORIDA
 UPDATED JUNE 2008



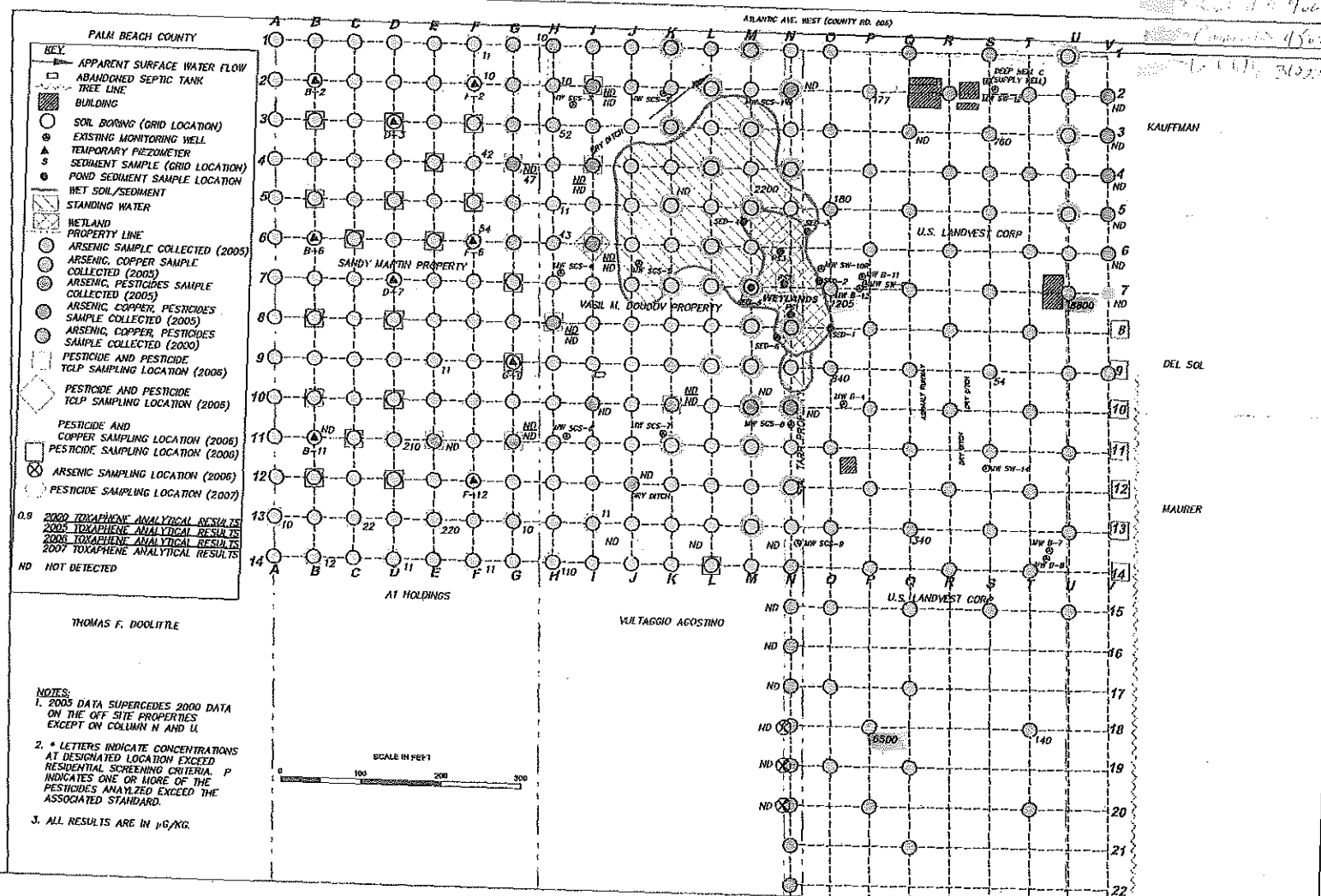


Figure 13 TOXAPHENE CONCENTRATIONS IN SOIL, 6"-2

SOUTHERN CROP SERVICES
 DELRAY BEACH, PALM BEACH COUNTY,
 FLORIDA
 UPDATED JUNE 2008

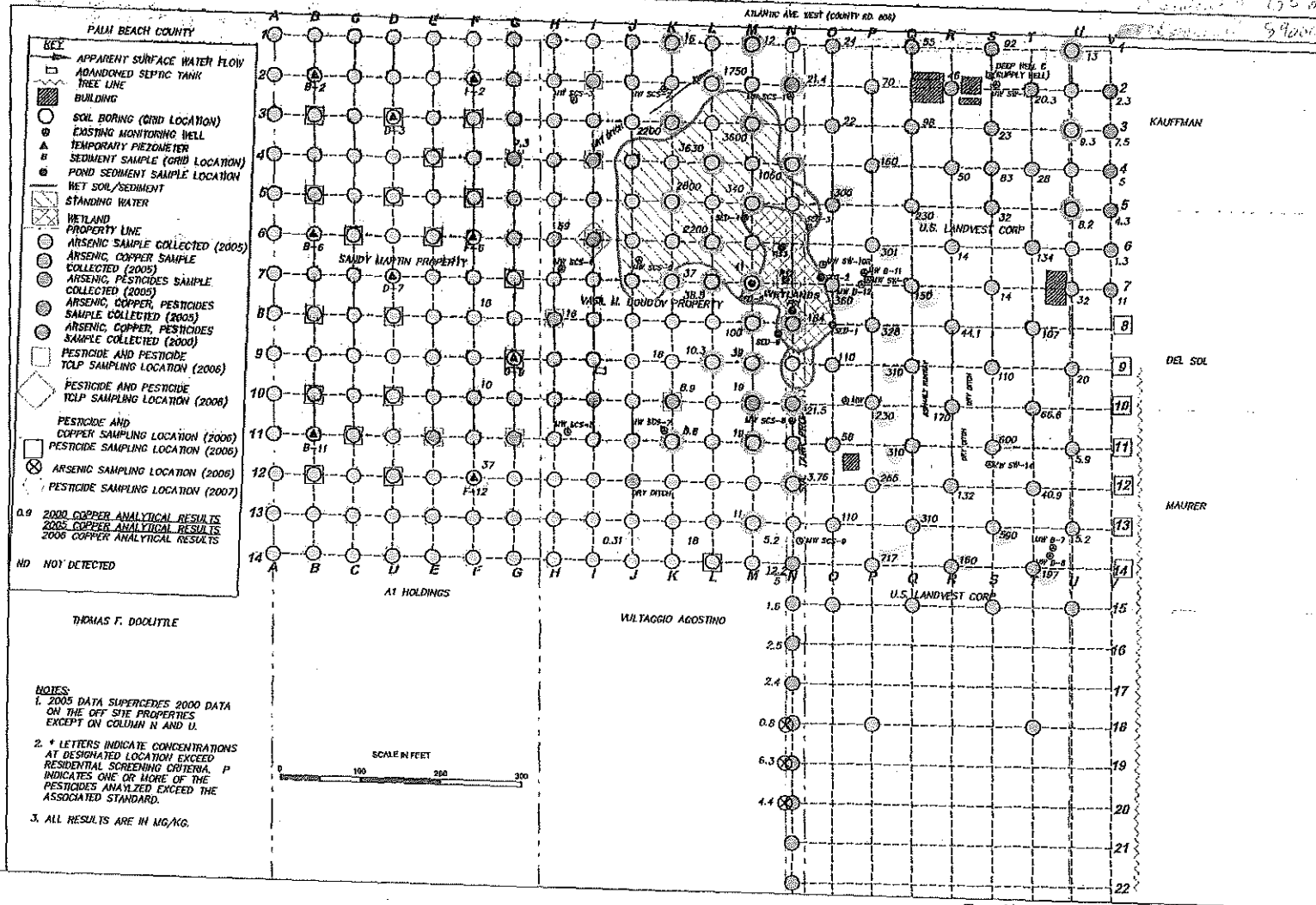


Figure 14 COPPER CONCENTRATIONS IN SOIL, 0-6"

SOUTHERN CROP SERVICES
 DELRAY BEACH, PALM BEACH COUNTY,
 FLORIDA
 UPDATED JUNE 2008

7 Res. wells
 7 Water and Sewer lines

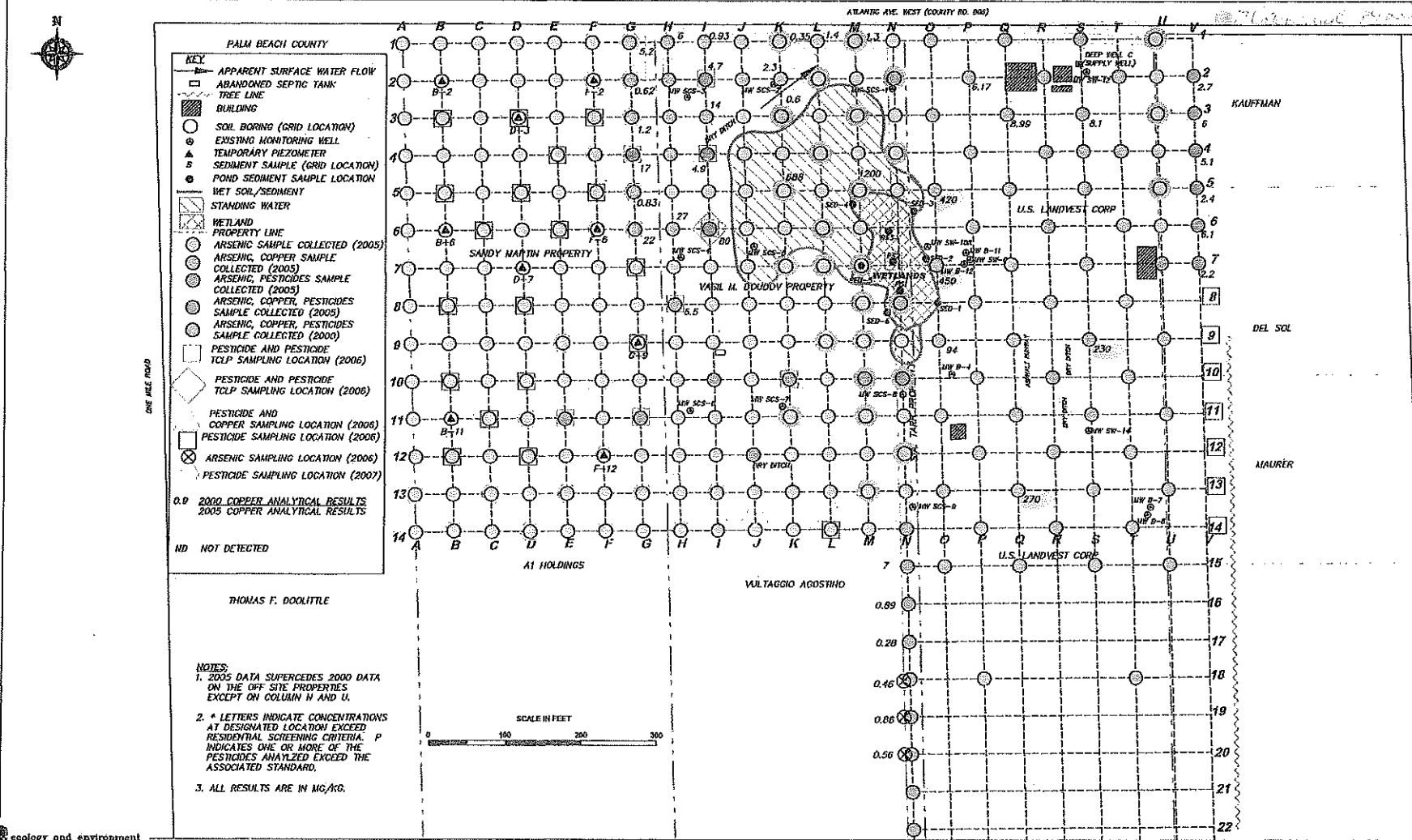


Figure 16 COPPER CONCENTRATIONS IN SOIL, 6'-2'

SOUTHERN CROP SERVICES
 DELRAY BEACH, PALM BEACH COUNTY,
 FLORIDA
 UPDATED JUNE 2008

Appendix D
Laboratory Analytical Reports and
Chain-of-Custody Records

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

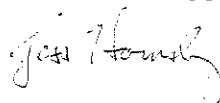
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-84825-1
Client Project/Site: Southern Crop Services - Delray Beach

For:
Aptim Environmental & Infrastructure Inc
725 US Highway 301 South
Tampa, Florida 33619

Attn: Mr. Gregg Roberts



Authorized for release by:
1/17/2018 2:53:54 PM

Jess Hornsby, Project Manager II
(813)885-7427
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LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-84825-1	Swale NW (0.0-0.5)	Solid	01/04/18 15:45	01/06/18 09:45
660-84825-2	Swale NW (0.5-2.0)	Solid	01/04/18 15:50	01/06/18 09:45
660-84825-3	Swale SW (0.0-0.5)	Solid	01/04/18 16:00	01/06/18 09:45
660-84825-4	Swale SW (0.5-2.0)	Solid	01/04/18 16:05	01/06/18 09:45
660-84825-5	Swale NE (0.0-0.5)	Solid	01/04/18 16:50	01/06/18 09:45
660-84825-6	Swale NE (0.5-2.0)	Solid	01/04/18 16:55	01/06/18 09:45
660-84825-7	Swale SE (0.0-0.5)	Solid	01/04/18 17:05	01/06/18 09:45
660-84825-8	Swale SE (0.5-2.0)	Solid	01/04/18 17:10	01/06/18 09:45
660-84825-9	M48 W25 S25 (0.0-0.5)	Solid	01/04/18 13:50	01/06/18 09:45
660-84825-10	M48 S25 (0.0-0.5)	Solid	01/04/18 14:00	01/06/18 09:45
660-84825-12	M46 (0.5-2.0)	Solid	01/04/18 14:06	01/06/18 09:45
660-84825-13	M48 (0.5-2.0)	Solid	01/04/18 13:30	01/06/18 09:45
660-84825-19	N13 S25 (0.0-0.5)	Solid	01/04/18 17:30	01/06/18 09:45
660-84825-20	N13 S25 (0.5-2.0)	Solid	01/04/18 17:35	01/06/18 09:45
660-84825-21	PLN 13 S25 (0.5-2.0)	Solid	01/04/18 17:45	01/06/18 09:45
660-84825-22	N45 W25 S25 (0.0-0.5)	Solid	01/04/18 15:00	01/06/18 09:45
660-84825-23	N48 W25 S25 (0.0-0.5)	Solid	01/04/18 15:30	01/06/18 09:45
660-84825-25	M45 S25 (0.0-0.5)	Solid	01/04/18 15:20	01/06/18 09:45
660-84825-26	M45 W25 S25 (0.0-0.5)	Solid	01/04/18 15:10	01/06/18 09:45
660-84825-27	M48 W25 (0.0-0.5)	Solid	01/04/18 13:40	01/06/18 09:45
660-84825-28	M46 W25 (0.0-0.5)	Solid	01/04/18 14:07	01/06/18 09:45
660-84825-29	M47 W25 (0.0-0.5)	Solid	01/04/18 14:50	01/06/18 09:45

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale NW (0.0-0.5)

Lab Sample ID: 660-84825-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.00074	I	0.0022	0.00047	mg/Kg	1	*	8081B	Total/NA
4,4'-DDE	0.0067		0.0019	0.00052	mg/Kg	1	*	8081B	Total/NA
4,4'-DDT	0.0088		0.0019	0.00043	mg/Kg	1	*	8081B	Total/NA

Client Sample ID: Swale NW (0.5-2.0)

Lab Sample ID: 660-84825-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.0033		0.0019	0.00053	mg/Kg	1	*	8081B	Total/NA
4,4'-DDT	0.0036		0.0019	0.00044	mg/Kg	1	*	8081B	Total/NA

Client Sample ID: Swale SW (0.0-0.5)

Lab Sample ID: 660-84825-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endosulfan sulfate	0.0063		0.0017	0.00033	mg/Kg	1	*	8081B	Total/NA
Toxaphene	0.26		0.10	0.024	mg/Kg	1	*	8081B	Total/NA
4,4'-DDE - DL	0.084		0.0087	0.0024	mg/Kg	5	*	8081B	Total/NA
4,4'-DDT - DL	0.12		0.0087	0.0020	mg/Kg	5	*	8081B	Total/NA

Client Sample ID: Swale SW (0.5-2.0)

Lab Sample ID: 660-84825-4

No Detections.

Client Sample ID: Swale NE (0.0-0.5)

Lab Sample ID: 660-84825-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.0057		0.0022	0.00046	mg/Kg	1	*	8081B	Total/NA
4,4'-DDE	0.039		0.0018	0.00051	mg/Kg	1	*	8081B	Total/NA
Toxaphene	0.14		0.11	0.026	mg/Kg	1	*	8081B	Total/NA
4,4'-DDT - DL	0.077		0.0092	0.0021	mg/Kg	5	*	8081B	Total/NA

Client Sample ID: Swale NE (0.5-2.0)

Lab Sample ID: 660-84825-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.041		0.0022	0.00046	mg/Kg	1	*	8081B	Total/NA
Endosulfan sulfate	0.032		0.0018	0.00035	mg/Kg	1	*	8081B	Total/NA
gamma-BHC (Lindane)	0.0018		0.0018	0.00044	mg/Kg	1	*	8081B	Total/NA
Toxaphene	2.2		0.11	0.026	mg/Kg	1	*	8081B	Total/NA
4,4'-DDE - DL	0.52		0.092	0.026	mg/Kg	50	*	8081B	Total/NA
4,4'-DDT - DL	1.3		0.092	0.021	mg/Kg	50	*	8081B	Total/NA

Client Sample ID: Swale SE (0.0-0.5)

Lab Sample ID: 660-84825-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.0059		0.0021	0.00045	mg/Kg	1	*	8081B	Total/NA
Toxaphene	0.15		0.11	0.025	mg/Kg	1	*	8081B	Total/NA
4,4'-DDE - DL	0.10		0.0090	0.0025	mg/Kg	5	*	8081B	Total/NA
4,4'-DDT - DL	0.087		0.0090	0.0021	mg/Kg	5	*	8081B	Total/NA

Client Sample ID: Swale SE (0.5-2.0)

Lab Sample ID: 660-84825-8

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale SE (0.5-2.0) (Continued)

Lab Sample ID: 660-84825-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.030		0.0023	0.00049	mg/Kg	1	✱	8081B	Total/NA
Endosulfan sulfate	0.040		0.0019	0.00037	mg/Kg	1	✱	8081B	Total/NA
gamma-BHC (Lindane)	0.00092	I	0.0019	0.00046	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDE - DL	0.32		0.039	0.011	mg/Kg	20	✱	8081B	Total/NA
4,4'-DDT - DL	0.56		0.039	0.0089	mg/Kg	20	✱	8081B	Total/NA
Toxaphene - DL	3.7		2.3	0.54	mg/Kg	20	✱	8081B	Total/NA

Client Sample ID: M48 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.0013	I	0.0020	0.00055	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDT	0.0012	I	0.0020	0.00045	mg/Kg	1	✱	8081B	Total/NA

Client Sample ID: M48 S25 (0.0-0.5)

Lab Sample ID: 660-84825-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane	0.010		0.0019	0.00066	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDT	0.021		0.0019	0.00044	mg/Kg	1	✱	8081B	Total/NA
Dieldrin	0.017		0.0019	0.00024	mg/Kg	1	✱	8081B	Total/NA
Endrin ketone	0.0016	I	0.0019	0.00028	mg/Kg	1	✱	8081B	Total/NA
gamma-Chlordane	0.015		0.0019	0.00022	mg/Kg	1	✱	8081B	Total/NA
Heptachlor epoxide	0.0025		0.0019	0.00049	mg/Kg	1	✱	8081B	Total/NA
Toxaphene	0.28		0.11	0.027	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDE - DL	0.068		0.0097	0.0027	mg/Kg	5	✱	8081B	Total/NA

Client Sample ID: M46 (0.5-2.0)

Lab Sample ID: 660-84825-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane	0.0057		0.0021	0.00070	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDE	0.017		0.0021	0.00058	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDT	0.0072		0.0021	0.00048	mg/Kg	1	✱	8081B	Total/NA
Dieldrin	0.015		0.0021	0.00025	mg/Kg	1	✱	8081B	Total/NA
gamma-Chlordane	0.0093		0.0021	0.00024	mg/Kg	1	✱	8081B	Total/NA
Heptachlor epoxide	0.0017	I	0.0021	0.00053	mg/Kg	1	✱	8081B	Total/NA
Toxaphene	0.049	I	0.12	0.029	mg/Kg	1	✱	8081B	Total/NA

Client Sample ID: M48 (0.5-2.0)

Lab Sample ID: 660-84825-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane	0.0012	I	0.0020	0.00068	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDD	0.00071	I	0.0024	0.00050	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDE	0.0033		0.0020	0.00056	mg/Kg	1	✱	8081B	Total/NA
4,4'-DDT	0.00062	I	0.0020	0.00046	mg/Kg	1	✱	8081B	Total/NA
Dieldrin	0.0055		0.0020	0.00025	mg/Kg	1	✱	8081B	Total/NA
gamma-Chlordane	0.0020		0.0020	0.00023	mg/Kg	1	✱	8081B	Total/NA
Heptachlor epoxide	0.00090	I	0.0020	0.00051	mg/Kg	1	✱	8081B	Total/NA

Client Sample ID: N13 S25 (0.0-0.5)

Lab Sample ID: 660-84825-19

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: N13 S25 (0.0-0.5) (Continued)

Lab Sample ID: 660-84825-19

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.00054	I	0.0021	0.00046	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDE	0.0037		0.0018	0.00051	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDT	0.0032		0.0018	0.00042	mg/Kg	1	☒	8081B	Total/NA

Client Sample ID: N13 S25 (0.5-2.0)

Lab Sample ID: 660-84825-20

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.0041		0.0020	0.00055	mg/Kg	1	☒	8081B	Total/NA

Client Sample ID: PLN 13 S25 (0.5-2.0)

Lab Sample ID: 660-84825-21

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.018		0.0021	0.00046	mg/Kg	1	☒	8081B	Total/NA
Endrin ketone	0.0065		0.0018	0.00026	mg/Kg	1	☒	8081B	Total/NA
Toxaphene	1.3		0.11	0.025	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDE - DL	0.30		0.018	0.0050	mg/Kg	10	☒	8081B	Total/NA
4,4'-DDT - DL	0.26		0.018	0.0042	mg/Kg	10	☒	8081B	Total/NA

Client Sample ID: N45 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-22

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane	0.0093		0.0019	0.00065	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDT	0.026		0.0019	0.00044	mg/Kg	1	☒	8081B	Total/NA
Dieldrin	0.011		0.0019	0.00023	mg/Kg	1	☒	8081B	Total/NA
gamma-Chlordane	0.016		0.0019	0.00022	mg/Kg	1	☒	8081B	Total/NA
Heptachlor epoxide	0.0017	I	0.0019	0.00048	mg/Kg	1	☒	8081B	Total/NA
Toxaphene	0.27		0.11	0.027	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDE - DL	0.085		0.0096	0.0027	mg/Kg	5	☒	8081B	Total/NA

Client Sample ID: N48 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-23

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane	0.0028		0.0019	0.00066	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDD	0.0032		0.0023	0.00049	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDE	0.016		0.0019	0.00054	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDT	0.0014	I	0.0019	0.00044	mg/Kg	1	☒	8081B	Total/NA
Dieldrin	0.014		0.0019	0.00024	mg/Kg	1	☒	8081B	Total/NA
gamma-Chlordane	0.011		0.0019	0.00022	mg/Kg	1	☒	8081B	Total/NA
Heptachlor epoxide	0.0029		0.0019	0.00049	mg/Kg	1	☒	8081B	Total/NA

Client Sample ID: M45 S25 (0.0-0.5)

Lab Sample ID: 660-84825-25

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane	0.015		0.0018	0.00061	mg/Kg	1	☒	8081B	Total/NA
Dieldrin	0.0064		0.0018	0.00022	mg/Kg	1	☒	8081B	Total/NA
gamma-Chlordane	0.011		0.0018	0.00021	mg/Kg	1	☒	8081B	Total/NA
Toxaphene	0.32		0.11	0.025	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDE - DL	0.14		0.0090	0.0025	mg/Kg	5	☒	8081B	Total/NA
4,4'-DDT - DL	0.11		0.0090	0.0021	mg/Kg	5	☒	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M45 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-26

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.0091		0.0019	0.00051	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDT	0.0091		0.0019	0.00042	mg/Kg	1	✳	8081B	Total/NA
Dieldrin	0.0012	I	0.0019	0.00023	mg/Kg	1	✳	8081B	Total/NA
gamma-Chlordane	0.0016	I	0.0019	0.00021	mg/Kg	1	✳	8081B	Total/NA

Client Sample ID: M48 W25 (0.0-0.5)

Lab Sample ID: 660-84825-27

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.00060	I	0.0019	0.00051	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDT	0.0011	I J3	0.0019	0.00042	mg/Kg	1	✳	8081B	Total/NA

Client Sample ID: M46 W25 (0.0-0.5)

Lab Sample ID: 660-84825-28

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.0023		0.0019	0.00052	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDT	0.0026		0.0019	0.00043	mg/Kg	1	✳	8081B	Total/NA

Client Sample ID: M47 W25 (0.0-0.5)

Lab Sample ID: 660-84825-29

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.0093		0.0019	0.00054	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDT	0.0081		0.0019	0.00044	mg/Kg	1	✳	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Case Narrative

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Job ID: 660-84825-1

Laboratory: TestAmerica Tampa

Narrative

Receipt

The samples were received on 1/6/2018 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

Receipt Exceptions

The following sample was activated by the client on 1/10/18: N13 S25 (0.5-2.0) (660-84825-20).

GC Semi VOA

Method 8081B: The following samples required a dilution due to the nature of the sample matrix: Swale NE (0.5-2.0) (660-84825-6), Swale SE (0.5-2.0) (660-84825-8) and PLN 13 S25 (0.5-2.0) (660-84825-21). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8081B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 660-191450 and analytical batch 660-191453 were outside control limits for 4,4'-DDT. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

5

Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☐	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale NW (0.0-0.5)

Lab Sample ID: 660-84825-1

Date Collected: 01/04/18 15:45

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 91.1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00055	U	0.0019	0.00055	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
alpha-BHC	0.00046	U	0.0019	0.00046	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
alpha-Chlordane	0.00063	U	0.0019	0.00063	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
beta-BHC	0.00059	U	0.0019	0.00059	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Chlordane (technical)	0.0067	U	0.028	0.0067	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
4,4'-DDD	0.00074	I	0.0022	0.00047	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
4,4'-DDE	0.0067		0.0019	0.00052	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
4,4'-DDT	0.0088		0.0019	0.00043	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
delta-BHC	0.00040	U	0.0019	0.00040	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Dieldrin	0.00023	U	0.0019	0.00023	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Endosulfan I	0.00049	U	0.0019	0.00049	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Endosulfan II	0.00021	U	0.0019	0.00021	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Endosulfan sulfate	0.00036	U	0.0019	0.00036	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Endrin	0.00042	U	0.0019	0.00042	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Endrin aldehyde	0.00029	U	0.0019	0.00029	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Endrin ketone	0.00027	U	0.0019	0.00027	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
gamma-BHC (Lindane)	0.00044	U	0.0019	0.00044	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
gamma-Chlordane	0.00021	U	0.0019	0.00021	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Heptachlor	0.00059	U	0.0019	0.00059	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Heptachlor epoxide	0.00047	U	0.0019	0.00047	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Methoxychlor	0.00073	U	0.019	0.00073	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Toxaphene	0.026	U	0.11	0.026	mg/Kg	*	01/08/18 11:02	01/08/18 17:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		30 - 150				01/08/18 11:02	01/08/18 17:53	1
Tetrachloro-m-xylene	78		30 - 150				01/08/18 11:02	01/08/18 17:53	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale NW (0.5-2.0)

Lab Sample ID: 660-84825-2

Date Collected: 01/04/18 15:50

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 89.6

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00056	U	0.0019	0.00056	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
alpha-BHC	0.00046	U	0.0019	0.00046	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
alpha-Chlordane	0.00064	U	0.0019	0.00064	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
beta-BHC	0.00060	U	0.0019	0.00060	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Chlordane (technical)	0.0068	U	0.028	0.0068	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
4,4'-DDD	0.00048	U	0.0022	0.00048	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
4,4'-DDE	0.0033		0.0019	0.00053	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
4,4'-DDT	0.0036		0.0019	0.00044	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
delta-BHC	0.00041	U	0.0019	0.00041	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Dieldrin	0.00023	U	0.0019	0.00023	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Endosulfan I	0.00050	U	0.0019	0.00050	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Endosulfan II	0.00021	U	0.0019	0.00021	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Endosulfan sulfate	0.00036	U	0.0019	0.00036	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Endrin	0.00042	U	0.0019	0.00042	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Endrin aldehyde	0.00029	U	0.0019	0.00029	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Endrin ketone	0.00028	U	0.0019	0.00028	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
gamma-BHC (Lindane)	0.00045	U	0.0019	0.00045	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
gamma-Chlordane	0.00022	U	0.0019	0.00022	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Heptachlor	0.00060	U	0.0019	0.00060	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Heptachlor epoxide	0.00048	U	0.0019	0.00048	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Methoxychlor	0.00074	U	0.019	0.00074	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Toxaphene	0.026	U	0.11	0.026	mg/Kg	✱	01/08/18 11:02	01/08/18 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		30 - 150				01/08/18 11:02	01/08/18 18:07	1
Tetrachloro-m-xylene	49		30 - 150				01/08/18 11:02	01/08/18 18:07	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale SW (0.0-0.5)

Lab Sample ID: 660-84825-3

Date Collected: 01/04/18 16:00

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 97.3

Method: 8081B - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00051	U	0.0017	0.00051	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
alpha-BHC	0.00042	U	0.0017	0.00042	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
alpha-Chlordane	0.00059	U	0.0017	0.00059	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
beta-BHC	0.00055	U	0.0017	0.00055	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Chlordane (technical)	0.0063	U	0.026	0.0063	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
4,4'-DDD	0.00044	U	0.0021	0.00044	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
delta-BHC	0.00038	U	0.0017	0.00038	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Dieldrin	0.00021	U	0.0017	0.00021	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Endosulfan I	0.00046	U	0.0017	0.00046	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Endosulfan II	0.00019	U	0.0017	0.00019	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Endosulfan sulfate	0.0063		0.0017	0.00033	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Endrin	0.00039	U	0.0017	0.00039	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Endrin aldehyde	0.00027	U	0.0017	0.00027	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Endrin ketone	0.00025	U	0.0017	0.00025	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
gamma-BHC (Lindane)	0.00041	U	0.0017	0.00041	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
gamma-Chlordane	0.00020	U	0.0017	0.00020	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Heptachlor	0.00055	U	0.0017	0.00055	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Heptachlor epoxide	0.00044	U	0.0017	0.00044	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Methoxychlor	0.00068	U	0.017	0.00068	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Toxaphene	0.26		0.10	0.024	mg/Kg	*	01/08/18 11:02	01/08/18 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		30 - 150				01/08/18 11:02	01/08/18 18:21	1
Tetrachloro-m-xylene	78		30 - 150				01/08/18 11:02	01/08/18 18:21	1

Method: 8081B - Organochlorine Pesticides (GC) - DL									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.084		0.0087	0.0024	mg/Kg	*	01/08/18 11:02	01/09/18 12:03	5
4,4'-DDT	0.12		0.0087	0.0020	mg/Kg	*	01/08/18 11:02	01/09/18 12:03	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		30 - 150				01/08/18 11:02	01/09/18 12:03	5
Tetrachloro-m-xylene	78		30 - 150				01/08/18 11:02	01/09/18 12:03	5

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale SW (0.5-2.0)

Lab Sample ID: 660-84825-4

Date Collected: 01/04/18 16:05

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 93.1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00053	U	0.0018	0.00053	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
alpha-BHC	0.00044	U	0.0018	0.00044	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
alpha-Chlordane	0.00062	U	0.0018	0.00062	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
beta-BHC	0.00057	U	0.0018	0.00057	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Chlordane (technical)	0.0066	U	0.027	0.0066	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
4,4'-DDD	0.00046	U	0.0021	0.00046	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
4,4'-DDE	0.00050	U	0.0018	0.00050	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
4,4'-DDT	0.00042	U	0.0018	0.00042	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
delta-BHC	0.00039	U	0.0018	0.00039	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Dieldrin	0.00022	U	0.0018	0.00022	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Endosulfan I	0.00048	U	0.0018	0.00048	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Endosulfan II	0.00020	U	0.0018	0.00020	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Endosulfan sulfate	0.00035	U	0.0018	0.00035	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Endrin	0.00040	U	0.0018	0.00040	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Endrin aldehyde	0.00028	U	0.0018	0.00028	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Endrin ketone	0.00026	U	0.0018	0.00026	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
gamma-BHC (Lindane)	0.00043	U	0.0018	0.00043	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
gamma-Chlordane	0.00021	U	0.0018	0.00021	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Heptachlor	0.00057	U	0.0018	0.00057	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Heptachlor epoxide	0.00046	U	0.0018	0.00046	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Methoxychlor	0.00071	U	0.018	0.00071	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Toxaphene	0.025	U	0.11	0.025	mg/Kg	*	01/08/18 11:02	01/08/18 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		30 - 150				01/08/18 11:02	01/08/18 18:36	1
Tetrachloro-m-xylene	83		30 - 150				01/08/18 11:02	01/08/18 18:36	1

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale NE (0.0-0.5)

Lab Sample ID: 660-84825-5

Date Collected: 01/04/18 16:50

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 92.7

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00054	U	0.0018	0.00054	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
alpha-BHC	0.00045	U	0.0018	0.00045	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
alpha-Chlordane	0.00062	U	0.0018	0.00062	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
beta-BHC	0.00058	U	0.0018	0.00058	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Chlordane (technical)	0.0066	U	0.027	0.0066	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
4,4'-DDD	0.0057		0.0022	0.00046	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
4,4'-DDE	0.039		0.0018	0.00051	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
delta-BHC	0.00039	U	0.0018	0.00039	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Dieldrin	0.00023	U	0.0018	0.00023	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Endosulfan I	0.00048	U	0.0018	0.00048	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Endosulfan II	0.00020	U	0.0018	0.00020	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Endosulfan sulfate	0.00035	U	0.0018	0.00035	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Endrin	0.00041	U	0.0018	0.00041	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Endrin aldehyde	0.00028	U	0.0018	0.00028	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Endrin ketone	0.00027	U	0.0018	0.00027	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
gamma-BHC (Lindane)	0.00043	U	0.0018	0.00043	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
gamma-Chlordane	0.00021	U	0.0018	0.00021	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Heptachlor	0.00058	U	0.0018	0.00058	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Heptachlor epoxide	0.00047	U	0.0018	0.00047	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Methoxychlor	0.00072	U	0.018	0.00072	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1
Toxaphene	0.14		0.11	0.026	mg/Kg	☼	01/08/18 11:02	01/08/18 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		30 - 150	01/08/18 11:02	01/08/18 19:46	1
Tetrachloro-m-xylene	82		30 - 150	01/08/18 11:02	01/08/18 19:46	1

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.077		0.0092	0.0021	mg/Kg	☼	01/08/18 11:02	01/09/18 11:49	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		30 - 150	01/08/18 11:02	01/09/18 11:49	5
Tetrachloro-m-xylene	77		30 - 150	01/08/18 11:02	01/09/18 11:49	5

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale NE (0.5-2.0)

Lab Sample ID: 660-84825-6

Date Collected: 01/04/18 16:55

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 92.1

Method: 8081B - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00054	U	0.0018	0.00054	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
alpha-BHC	0.00045	U	0.0018	0.00045	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
alpha-Chlordane	0.00063	U	0.0018	0.00063	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
beta-BHC	0.00058	U	0.0018	0.00058	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Chlordane (technical)	0.0067	U	0.027	0.0067	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
4,4'-DDD	0.041		0.0022	0.00046	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
delta-BHC	0.00040	U	0.0018	0.00040	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Dieldrin	0.00023	U	0.0018	0.00023	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Endosulfan I	0.00048	U	0.0018	0.00048	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Endosulfan II	0.00020	U	0.0018	0.00020	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Endosulfan sulfate	0.032		0.0018	0.00035	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Endrin	0.00041	U	0.0018	0.00041	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Endrin aldehyde	0.00029	U	0.0018	0.00029	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Endrin ketone	0.00027	U	0.0018	0.00027	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
gamma-BHC (Lindane)	0.0018		0.0018	0.00044	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
gamma-Chlordane	0.00021	U	0.0018	0.00021	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Heptachlor	0.00058	U	0.0018	0.00058	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Heptachlor epoxide	0.00047	U	0.0018	0.00047	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Methoxychlor	0.00072	U	0.018	0.00072	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Toxaphene	2.2		0.11	0.026	mg/Kg	☼	01/08/18 11:02	01/08/18 20:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		30 - 150				01/08/18 11:02	01/08/18 20:01	1
Tetrachloro-m-xylene	53		30 - 150				01/08/18 11:02	01/08/18 20:01	1

Method: 8081B - Organochlorine Pesticides (GC) - DL									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.52		0.092	0.026	mg/Kg	☼	01/08/18 11:02	01/09/18 12:17	50
4,4'-DDT	1.3		0.092	0.021	mg/Kg	☼	01/08/18 11:02	01/09/18 12:17	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	J1	30 - 150				01/08/18 11:02	01/09/18 12:17	50
Tetrachloro-m-xylene	0	J1	30 - 150				01/08/18 11:02	01/09/18 12:17	50

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale SE (0.0-0.5)

Lab Sample ID: 660-84825-7

Date Collected: 01/04/18 17:05

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 93.8

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00053	U	0.0018	0.00053	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
alpha-BHC	0.00044	U	0.0018	0.00044	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
alpha-Chlordane	0.00061	U	0.0018	0.00061	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
beta-BHC	0.00057	U	0.0018	0.00057	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Chlordane (technical)	0.0065	U	0.027	0.0065	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
4,4'-DDD	0.0059		0.0021	0.00045	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
delta-BHC	0.00039	U	0.0018	0.00039	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Dieldrin	0.00022	U	0.0018	0.00022	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Endosulfan I	0.00047	U	0.0018	0.00047	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Endosulfan II	0.00020	U	0.0018	0.00020	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Endosulfan sulfate	0.00034	U	0.0018	0.00034	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Endrin	0.00040	U	0.0018	0.00040	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Endrin aldehyde	0.00028	U	0.0018	0.00028	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Endrin ketone	0.00026	U	0.0018	0.00026	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
gamma-BHC (Lindane)	0.00043	U	0.0018	0.00043	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
gamma-Chlordane	0.00021	U	0.0018	0.00021	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Heptachlor	0.00057	U	0.0018	0.00057	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Heptachlor epoxide	0.00046	U	0.0018	0.00046	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Methoxychlor	0.00070	U	0.018	0.00070	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1
Toxaphene	0.15		0.11	0.025	mg/Kg	*	01/08/18 11:02	01/08/18 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		30 - 150	01/08/18 11:02	01/08/18 20:15	1
Tetrachloro-m-xylene	54		30 - 150	01/08/18 11:02	01/08/18 20:15	1

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.10		0.0090	0.0025	mg/Kg	*	01/08/18 11:02	01/09/18 12:31	5
4,4'-DDT	0.087		0.0090	0.0021	mg/Kg	*	01/08/18 11:02	01/09/18 12:31	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		30 - 150	01/08/18 11:02	01/09/18 12:31	5
Tetrachloro-m-xylene	52		30 - 150	01/08/18 11:02	01/09/18 12:31	5

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale SE (0.5-2.0)

Lab Sample ID: 660-84825-8

Date Collected: 01/04/18 17:10

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 88.2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00057	U	0.0019	0.00057	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
alpha-BHC	0.00047	U	0.0019	0.00047	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
alpha-Chlordane	0.00066	U	0.0019	0.00066	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
beta-BHC	0.00061	U	0.0019	0.00061	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Chlordane (technical)	0.0070	U	0.029	0.0070	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
4,4'-DDD	0.030		0.0023	0.00049	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
delta-BHC	0.00042	U	0.0019	0.00042	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Dieldrin	0.00024	U	0.0019	0.00024	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Endosulfan I	0.00051	U	0.0019	0.00051	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Endosulfan II	0.00021	U	0.0019	0.00021	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Endosulfan sulfate	0.040		0.0019	0.00037	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Endrin	0.00043	U	0.0019	0.00043	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Endrin aldehyde	0.00030	U	0.0019	0.00030	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Endrin ketone	0.00028	U	0.0019	0.00028	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
gamma-BHC (Lindane)	0.00092	I	0.0019	0.00046	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
gamma-Chlordane	0.00022	U	0.0019	0.00022	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Heptachlor	0.00061	U	0.0019	0.00061	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Heptachlor epoxide	0.00049	U	0.0019	0.00049	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1
Methoxychlor	0.00076	U	0.019	0.00076	mg/Kg	☼	01/08/18 11:02	01/08/18 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	71		30 - 150	01/08/18 11:02	01/08/18 20:29	1
Tetrachloro-m-xylene	42		30 - 150	01/08/18 11:02	01/08/18 20:29	1

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.32		0.039	0.011	mg/Kg	☼	01/08/18 11:02	01/09/18 12:45	20
4,4'-DDT	0.56		0.039	0.0089	mg/Kg	☼	01/08/18 11:02	01/09/18 12:45	20
Toxaphene	3.7		2.3	0.54	mg/Kg	☼	01/08/18 11:02	01/09/18 12:45	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	J1	30 - 150	01/08/18 11:02	01/09/18 12:45	20
Tetrachloro-m-xylene	0	J1	30 - 150	01/08/18 11:02	01/09/18 12:45	20

TestAmerica Tampa

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M48 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-9

Date Collected: 01/04/18 13:50

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 85.6

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00058	U	0.0020	0.00058	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
alpha-BHC	0.00048	U	0.0020	0.00048	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
alpha-Chlordane	0.00067	U	0.0020	0.00067	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
beta-BHC	0.00062	U	0.0020	0.00062	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Chlordane (technical)	0.0071	U	0.029	0.0071	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
4,4'-DDD	0.00050	U	0.0023	0.00050	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
4,4'-DDE	0.0013	I	0.0020	0.00055	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
4,4'-DDT	0.0012	I	0.0020	0.00045	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
delta-BHC	0.00043	U	0.0020	0.00043	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Dieldrin	0.00024	U	0.0020	0.00024	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Endosulfan I	0.00052	U	0.0020	0.00052	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Endosulfan II	0.00022	U	0.0020	0.00022	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Endosulfan sulfate	0.00038	U	0.0020	0.00038	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Endrin	0.00044	U	0.0020	0.00044	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Endrin aldehyde	0.00031	U	0.0020	0.00031	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Endrin ketone	0.00029	U	0.0020	0.00029	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
gamma-BHC (Lindane)	0.00047	U	0.0020	0.00047	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
gamma-Chlordane	0.00023	U	0.0020	0.00023	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Heptachlor	0.00062	U	0.0020	0.00062	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Heptachlor epoxide	0.00050	U	0.0020	0.00050	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Methoxychlor	0.00077	U	0.020	0.00077	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Toxaphene	0.028	U	0.12	0.028	mg/Kg	☼	01/08/18 11:02	01/08/18 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		30 - 150				01/08/18 11:02	01/08/18 20:43	1
Tetrachloro-m-xylene	64		30 - 150				01/08/18 11:02	01/08/18 20:43	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M48 S25 (0.0-0.5)

Lab Sample ID: 660-84825-10

Date Collected: 01/04/18 14:00

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 87.7

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00057	U	0.0019	0.00057	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
alpha-BHC	0.00047	U	0.0019	0.00047	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
alpha-Chlordane	0.010		0.0019	0.00066	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
beta-BHC	0.00061	U	0.0019	0.00061	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Chlordane (technical)	0.0070	U	0.029	0.0070	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
4,4'-DDD	0.00049	U	0.0023	0.00049	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
4,4'-DDT	0.021		0.0019	0.00044	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
delta-BHC	0.00042	U	0.0019	0.00042	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Dieldrin	0.017		0.0019	0.00024	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Endosulfan I	0.00051	U	0.0019	0.00051	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Endosulfan II	0.00021	U	0.0019	0.00021	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Endosulfan sulfate	0.00037	U	0.0019	0.00037	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Endrin	0.00043	U	0.0019	0.00043	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Endrin aldehyde	0.00030	U	0.0019	0.00030	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Endrin ketone	0.0016	I	0.0019	0.00028	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
gamma-BHC (Lindane)	0.00046	U	0.0019	0.00046	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
gamma-Chlordane	0.015		0.0019	0.00022	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Heptachlor	0.00061	U	0.0019	0.00061	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Heptachlor epoxide	0.0025		0.0019	0.00049	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Methoxychlor	0.00076	U	0.019	0.00076	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Toxaphene	0.28		0.11	0.027	mg/Kg	✳	01/08/18 11:02	01/08/18 20:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		30 - 150				01/08/18 11:02	01/08/18 20:57	1
Tetrachloro-m-xylene	38		30 - 150				01/08/18 11:02	01/08/18 20:57	1

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.068		0.0097	0.0027	mg/Kg	✳	01/08/18 11:02	01/09/18 12:59	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79		30 - 150				01/08/18 11:02	01/09/18 12:59	5
Tetrachloro-m-xylene	40		30 - 150				01/08/18 11:02	01/09/18 12:59	5

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M46 (0.5-2.0)

Lab Sample ID: 660-84825-12

Date Collected: 01/04/18 14:06

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 82.2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00061	U	0.0021	0.00061	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
alpha-BHC	0.00050	U	0.0021	0.00050	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
alpha-Chlordane	0.0057		0.0021	0.00070	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
beta-BHC	0.00065	U	0.0021	0.00065	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Chlordane (technical)	0.0075	U	0.031	0.0075	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
4,4'-DDD	0.00052	U	0.0024	0.00052	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
4,4'-DDE	0.017		0.0021	0.00058	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
4,4'-DDT	0.0072		0.0021	0.00048	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
delta-BHC	0.00045	U	0.0021	0.00045	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Dieldrin	0.015		0.0021	0.00025	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Endosulfan I	0.00054	U	0.0021	0.00054	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Endosulfan II	0.00023	U	0.0021	0.00023	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Endosulfan sulfate	0.00040	U	0.0021	0.00040	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Endrin	0.00046	U	0.0021	0.00046	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Endrin aldehyde	0.00032	U	0.0021	0.00032	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Endrin ketone	0.00030	U	0.0021	0.00030	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
gamma-BHC (Lindane)	0.00049	U	0.0021	0.00049	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
gamma-Chlordane	0.0093		0.0021	0.00024	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Heptachlor	0.00065	U	0.0021	0.00065	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Heptachlor epoxide	0.0017	I	0.0021	0.00053	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Methoxychlor	0.00081	U	0.021	0.00081	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Toxaphene	0.049	I	0.12	0.029	mg/Kg	☼	01/08/18 11:02	01/08/18 21:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		30 - 150				01/08/18 11:02	01/08/18 21:12	1
Tetrachloro-m-xylene	78		30 - 150				01/08/18 11:02	01/08/18 21:12	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M48 (0.5-2.0)

Lab Sample ID: 660-84825-13

Date Collected: 01/04/18 13:30

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 84.7

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00059	U	0.0020	0.00059	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
alpha-BHC	0.00049	U	0.0020	0.00049	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
alpha-Chlordane	0.0012	I	0.0020	0.00068	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
beta-BHC	0.00063	U	0.0020	0.00063	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Chlordane (technical)	0.0072	U	0.030	0.0072	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
4,4'-DDD	0.00071	I	0.0024	0.00050	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
4,4'-DDE	0.0033		0.0020	0.00056	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
4,4'-DDT	0.00062	I	0.0020	0.00046	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
delta-BHC	0.00043	U	0.0020	0.00043	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Dieldrin	0.0055		0.0020	0.00025	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Endosulfan I	0.00053	U	0.0020	0.00053	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Endosulfan II	0.00022	U	0.0020	0.00022	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Endosulfan sulfate	0.00038	U	0.0020	0.00038	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Endrin	0.00045	U	0.0020	0.00045	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Endrin aldehyde	0.00031	U	0.0020	0.00031	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Endrin ketone	0.00029	U	0.0020	0.00029	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
gamma-BHC (Lindane)	0.00047	U	0.0020	0.00047	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
gamma-Chlordane	0.0020		0.0020	0.00023	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Heptachlor	0.00063	U	0.0020	0.00063	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Heptachlor epoxide	0.00090	I	0.0020	0.00051	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Methoxychlor	0.00078	U	0.020	0.00078	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Toxaphene	0.028	U	0.12	0.028	mg/Kg	✱	01/08/18 11:02	01/08/18 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		30 - 150				01/08/18 11:02	01/08/18 21:26	1
Tetrachloro-m-xylene	69		30 - 150				01/08/18 11:02	01/08/18 21:26	1

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: N13 S25 (0.0-0.5)

Lab Sample ID: 660-84825-19

Date Collected: 01/04/18 17:30

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 93.7

Method: 8081B - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00053	U	0.0018	0.00053	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
alpha-BHC	0.00044	U	0.0018	0.00044	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
alpha-Chlordane	0.00062	U	0.0018	0.00062	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
beta-BHC	0.00057	U	0.0018	0.00057	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Chlordane (technical)	0.0066	U	0.027	0.0066	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
4,4'-DDD	0.00054	I	0.0021	0.00046	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
4,4'-DDE	0.0037		0.0018	0.00051	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
4,4'-DDT	0.0032		0.0018	0.00042	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
delta-BHC	0.00039	U	0.0018	0.00039	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Dieldrin	0.00022	U	0.0018	0.00022	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Endosulfan I	0.00048	U	0.0018	0.00048	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Endosulfan II	0.00020	U	0.0018	0.00020	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Endosulfan sulfate	0.00035	U	0.0018	0.00035	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Endrin	0.00040	U	0.0018	0.00040	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Endrin aldehyde	0.00028	U	0.0018	0.00028	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Endrin ketone	0.00026	U	0.0018	0.00026	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
gamma-BHC (Lindane)	0.00043	U	0.0018	0.00043	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
gamma-Chlordane	0.00021	U	0.0018	0.00021	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Heptachlor	0.00057	U	0.0018	0.00057	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Heptachlor epoxide	0.00046	U	0.0018	0.00046	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Methoxychlor	0.00071	U	0.018	0.00071	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Toxaphene	0.025	U	0.11	0.025	mg/Kg	*	01/08/18 11:02	01/08/18 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		30 - 150				01/08/18 11:02	01/08/18 21:40	1
Tetrachloro-m-xylene	63		30 - 150				01/08/18 11:02	01/08/18 21:40	1

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: N13 S25 (0.5-2.0)

Lab Sample ID: 660-84825-20

Date Collected: 01/04/18 17:35

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 85.1

Method: 8081B - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00058	U	0.0020	0.00058	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
alpha-BHC	0.00048	U	0.0020	0.00048	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
alpha-Chlordane	0.00067	U	0.0020	0.00067	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
beta-BHC	0.00062	U	0.0020	0.00062	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Chlordane (technical)	0.0071	U	0.029	0.0071	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
4,4'-DDD	0.00050	U	0.0023	0.00050	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
4,4'-DDE	0.0041		0.0020	0.00055	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
4,4'-DDT	0.00045	U	0.0020	0.00045	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
delta-BHC	0.00042	U	0.0020	0.00042	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Dieldrin	0.00024	U	0.0020	0.00024	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Endosulfan I	0.00052	U	0.0020	0.00052	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Endosulfan II	0.00022	U	0.0020	0.00022	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Endosulfan sulfate	0.00038	U	0.0020	0.00038	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Endrin	0.00044	U	0.0020	0.00044	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Endrin aldehyde	0.00031	U	0.0020	0.00031	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Endrin ketone	0.00029	U	0.0020	0.00029	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
gamma-BHC (Lindane)	0.00047	U	0.0020	0.00047	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
gamma-Chlordane	0.00023	U	0.0020	0.00023	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Heptachlor	0.00062	U	0.0020	0.00062	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Heptachlor epoxide	0.00050	U	0.0020	0.00050	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Methoxychlor	0.00077	U	0.020	0.00077	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Toxaphene	0.027	U	0.12	0.027	mg/Kg	✱	01/11/18 08:06	01/11/18 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		30 - 150				01/11/18 08:06	01/11/18 20:13	1
Tetrachloro-m-xylene	77		30 - 150				01/11/18 08:06	01/11/18 20:13	1

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: PLN 13 S25 (0.5-2.0)

Lab Sample ID: 660-84825-21

Date Collected: 01/04/18 17:45

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 93.5

Method: 8081B - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00053	U	0.0018	0.00053	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
alpha-BHC	0.00044	U	0.0018	0.00044	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
alpha-Chlordane	0.00062	U	0.0018	0.00062	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
beta-BHC	0.00057	U	0.0018	0.00057	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Chlordane (technical)	0.0066	U	0.027	0.0066	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
4,4'-DDD	0.018		0.0021	0.00046	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
delta-BHC	0.00039	U	0.0018	0.00039	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Dieldrin	0.00022	U	0.0018	0.00022	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Endosulfan I	0.00048	U	0.0018	0.00048	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Endosulfan II	0.00020	U	0.0018	0.00020	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Endosulfan sulfate	0.00035	U	0.0018	0.00035	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Endrin	0.00040	U	0.0018	0.00040	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Endrin aldehyde	0.00028	U	0.0018	0.00028	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Endrin ketone	0.0065		0.0018	0.00026	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
gamma-BHC (Lindane)	0.00043	U	0.0018	0.00043	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
gamma-Chlordane	0.00021	U	0.0018	0.00021	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Heptachlor	0.00057	U	0.0018	0.00057	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Heptachlor epoxide	0.00046	U	0.0018	0.00046	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Methoxychlor	0.00071	U	0.018	0.00071	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Toxaphene	1.3		0.11	0.025	mg/Kg	✳	01/08/18 11:02	01/08/18 21:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		30 - 150				01/08/18 11:02	01/08/18 21:54	1
Tetrachloro-m-xylene	44		30 - 150				01/08/18 11:02	01/08/18 21:54	1

Method: 8081B - Organochlorine Pesticides (GC) - DL									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.30		0.018	0.0050	mg/Kg	✳	01/08/18 11:02	01/09/18 13:14	10
4,4'-DDT	0.26		0.018	0.0042	mg/Kg	✳	01/08/18 11:02	01/09/18 13:14	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	J1	30 - 150				01/08/18 11:02	01/09/18 13:14	10
Tetrachloro-m-xylene	0	J1	30 - 150				01/08/18 11:02	01/09/18 13:14	10

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: N45 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-22

Date Collected: 01/04/18 15:00

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 89.3

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00056	U	0.0019	0.00056	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
alpha-BHC	0.00046	U	0.0019	0.00046	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
alpha-Chlordane	0.0093		0.0019	0.00065	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
beta-BHC	0.00060	U	0.0019	0.00060	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Chlordane (technical)	0.0069	U	0.028	0.0069	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
4,4'-DDD	0.00048	U	0.0023	0.00048	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
4,4'-DDT	0.026		0.0019	0.00044	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
delta-BHC	0.00041	U	0.0019	0.00041	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Dieldrin	0.011		0.0019	0.00023	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Endosulfan I	0.00050	U	0.0019	0.00050	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Endosulfan II	0.00021	U	0.0019	0.00021	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Endosulfan sulfate	0.00036	U	0.0019	0.00036	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Endrin	0.00042	U	0.0019	0.00042	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Endrin aldehyde	0.00030	U	0.0019	0.00030	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Endrin ketone	0.00028	U	0.0019	0.00028	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
gamma-BHC (Lindane)	0.00045	U	0.0019	0.00045	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
gamma-Chlordane	0.016		0.0019	0.00022	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Heptachlor	0.00060	U	0.0019	0.00060	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Heptachlor epoxide	0.0017	I	0.0019	0.00048	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Methoxychlor	0.00075	U	0.019	0.00075	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Toxaphene	0.27		0.11	0.027	mg/Kg	✱	01/08/18 11:02	01/08/18 22:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		30 - 150				01/08/18 11:02	01/08/18 22:08	1
Tetrachloro-m-xylene	61		30 - 150				01/08/18 11:02	01/08/18 22:08	1

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.085		0.0096	0.0027	mg/Kg	✱	01/08/18 11:02	01/09/18 13:28	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		30 - 150				01/08/18 11:02	01/09/18 13:28	5
Tetrachloro-m-xylene	61		30 - 150				01/08/18 11:02	01/09/18 13:28	5

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: N48 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-23

Date Collected: 01/04/18 15:30

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 87.7

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00057	U	0.0019	0.00057	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
alpha-BHC	0.00047	U	0.0019	0.00047	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
alpha-Chlordane	0.0028		0.0019	0.00066	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
beta-BHC	0.00061	U	0.0019	0.00061	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Chlordane (technical)	0.0070	U	0.029	0.0070	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
4,4'-DDD	0.0032		0.0023	0.00049	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
4,4'-DDE	0.016		0.0019	0.00054	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
4,4'-DDT	0.0014	I	0.0019	0.00044	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
delta-BHC	0.00042	U	0.0019	0.00042	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Dieldrin	0.014		0.0019	0.00024	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Endosulfan I	0.00051	U	0.0019	0.00051	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Endosulfan II	0.00021	U	0.0019	0.00021	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Endosulfan sulfate	0.00037	U	0.0019	0.00037	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Endrin	0.00043	U	0.0019	0.00043	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Endrin aldehyde	0.00030	U	0.0019	0.00030	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Endrin ketone	0.00028	U	0.0019	0.00028	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
gamma-BHC (Lindane)	0.00046	U	0.0019	0.00046	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
gamma-Chlordane	0.011		0.0019	0.00022	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Heptachlor	0.00061	U	0.0019	0.00061	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Heptachlor epoxide	0.0029		0.0019	0.00049	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Methoxychlor	0.00076	U	0.019	0.00076	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Toxaphene	0.027	U	0.11	0.027	mg/Kg	*	01/08/18 11:02	01/08/18 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	71		30 - 150				01/08/18 11:02	01/08/18 22:23	1
Tetrachloro-m-xylene	67		30 - 150				01/08/18 11:02	01/08/18 22:23	1

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M45 S25 (0.0-0.5)

Lab Sample ID: 660-84825-25

Date Collected: 01/04/18 15:20

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 91.8

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00053	U	0.0018	0.00053	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
alpha-BHC	0.00044	U	0.0018	0.00044	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
alpha-Chlordane	0.015		0.0018	0.00061	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
beta-BHC	0.00056	U	0.0018	0.00056	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Chlordane (technical)	0.0065	U	0.027	0.0065	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
4,4'-DDD	0.00045	U	0.0021	0.00045	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
delta-BHC	0.00039	U	0.0018	0.00039	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Dieldrin	0.0064		0.0018	0.00022	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Endosulfan I	0.00047	U	0.0018	0.00047	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Endosulfan II	0.00020	U	0.0018	0.00020	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Endosulfan sulfate	0.00034	U	0.0018	0.00034	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Endrin	0.00040	U	0.0018	0.00040	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Endrin aldehyde	0.00028	U	0.0018	0.00028	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Endrin ketone	0.00026	U	0.0018	0.00026	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
gamma-BHC (Lindane)	0.00043	U	0.0018	0.00043	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
gamma-Chlordane	0.011		0.0018	0.00021	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Heptachlor	0.00057	U	0.0018	0.00057	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Heptachlor epoxide	0.00046	U	0.0018	0.00046	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Methoxychlor	0.00070	U	0.018	0.00070	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Toxaphene	0.32		0.11	0.025	mg/Kg	☼	01/09/18 07:36	01/09/18 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		30 - 150				01/09/18 07:36	01/09/18 16:42	1
Tetrachloro-m-xylene	77		30 - 150				01/09/18 07:36	01/09/18 16:42	1

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.14		0.0090	0.0025	mg/Kg	☼	01/09/18 07:36	01/09/18 17:39	5
4,4'-DDT	0.11		0.0090	0.0021	mg/Kg	☼	01/09/18 07:36	01/09/18 17:39	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		30 - 150				01/09/18 07:36	01/09/18 17:39	5
Tetrachloro-m-xylene	97		30 - 150				01/09/18 07:36	01/09/18 17:39	5

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M45 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-26

Date Collected: 01/04/18 15:10

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 92.8

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00054	U	0.0019	0.00054	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
alpha-BHC	0.00045	U	0.0019	0.00045	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
alpha-Chlordane	0.00063	U	0.0019	0.00063	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
beta-BHC	0.00058	U	0.0019	0.00058	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Chlordane (technical)	0.0067	U	0.027	0.0067	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
4,4'-DDD	0.00047	U	0.0022	0.00047	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
4,4'-DDE	0.0091		0.0019	0.00051	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
4,4'-DDT	0.0091		0.0019	0.00042	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
delta-BHC	0.00040	U	0.0019	0.00040	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Dieldrin	0.0012	I	0.0019	0.00023	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Endosulfan I	0.00049	U	0.0019	0.00049	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Endosulfan II	0.00020	U	0.0019	0.00020	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Endosulfan sulfate	0.00035	U	0.0019	0.00035	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Endrin	0.00041	U	0.0019	0.00041	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Endrin aldehyde	0.00029	U	0.0019	0.00029	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Endrin ketone	0.00027	U	0.0019	0.00027	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
gamma-BHC (Lindane)	0.00044	U	0.0019	0.00044	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
gamma-Chlordane	0.0016	I	0.0019	0.00021	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Heptachlor	0.00058	U	0.0019	0.00058	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Heptachlor epoxide	0.00047	U	0.0019	0.00047	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Methoxychlor	0.00072	U	0.019	0.00072	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Toxaphene	0.026	U	0.11	0.026	mg/Kg	✱	01/09/18 07:41	01/09/18 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		30 - 150				01/09/18 07:41	01/09/18 16:56	1
Tetrachloro-m-xylene	71		30 - 150				01/09/18 07:41	01/09/18 16:56	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M48 W25 (0.0-0.5)

Lab Sample ID: 660-84825-27

Date Collected: 01/04/18 13:40

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 89.3

Method: 8081B - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00054	U	0.0019	0.00054	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
alpha-BHC	0.00045	U	0.0019	0.00045	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
alpha-Chlordane	0.00063	U	0.0019	0.00063	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
beta-BHC	0.00058	U	0.0019	0.00058	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Chlordane (technical)	0.0067	U	0.027	0.0067	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
4,4'-DDD	0.00047	U	0.0022	0.00047	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
4,4'-DDE	0.00060	I	0.0019	0.00051	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
4,4'-DDT	0.0011	I J3	0.0019	0.00042	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
delta-BHC	0.00040	U	0.0019	0.00040	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Dieldrin	0.00023	U	0.0019	0.00023	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Endosulfan I	0.00049	U	0.0019	0.00049	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Endosulfan II	0.00020	U	0.0019	0.00020	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Endosulfan sulfate	0.00035	U	0.0019	0.00035	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Endrin	0.00041	U	0.0019	0.00041	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Endrin aldehyde	0.00029	U	0.0019	0.00029	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Endrin ketone	0.00027	U	0.0019	0.00027	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
gamma-BHC (Lindane)	0.00044	U	0.0019	0.00044	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
gamma-Chlordane	0.00021	U	0.0019	0.00021	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Heptachlor	0.00058	U	0.0019	0.00058	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Heptachlor epoxide	0.00047	U	0.0019	0.00047	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Methoxychlor	0.00072	J3 U	0.019	0.00072	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Toxaphene	0.026	U	0.11	0.026	mg/Kg	✳	01/09/18 07:36	01/09/18 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79		30 - 150				01/09/18 07:36	01/09/18 15:12	1
Tetrachloro-m-xylene	77		30 - 150				01/09/18 07:36	01/09/18 15:12	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M46 W25 (0.0-0.5)

Lab Sample ID: 660-84825-28

Date Collected: 01/04/18 14:07

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 91.3

Method: 8081B - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00055	U	0.0019	0.00055	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
alpha-BHC	0.00045	U	0.0019	0.00045	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
alpha-Chlordane	0.00063	U	0.0019	0.00063	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
beta-BHC	0.00059	U	0.0019	0.00059	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Chlordane (technical)	0.0067	U	0.028	0.0067	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
4,4'-DDD	0.00047	U	0.0022	0.00047	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
4,4'-DDE	0.0023		0.0019	0.00052	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
4,4'-DDT	0.0026		0.0019	0.00043	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
delta-BHC	0.00040	U	0.0019	0.00040	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Dieldrin	0.00023	U	0.0019	0.00023	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Endosulfan I	0.00049	U	0.0019	0.00049	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Endosulfan II	0.00021	U	0.0019	0.00021	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Endosulfan sulfate	0.00036	U	0.0019	0.00036	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Endrin	0.00041	U	0.0019	0.00041	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Endrin aldehyde	0.00029	U	0.0019	0.00029	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Endrin ketone	0.00027	U	0.0019	0.00027	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
gamma-BHC (Lindane)	0.00044	U	0.0019	0.00044	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
gamma-Chlordane	0.00021	U	0.0019	0.00021	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Heptachlor	0.00059	U	0.0019	0.00059	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Heptachlor epoxide	0.00047	U	0.0019	0.00047	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Methoxychlor	0.00073	U	0.019	0.00073	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Toxaphene	0.026	U	0.11	0.026	mg/Kg	*	01/09/18 07:41	01/09/18 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		30 - 150				01/09/18 07:41	01/09/18 17:10	1
Tetrachloro-m-xylene	89		30 - 150				01/09/18 07:41	01/09/18 17:10	1

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M47 W25 (0.0-0.5)

Lab Sample ID: 660-84825-29

Date Collected: 01/04/18 14:50

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 87.1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00057	U	0.0019	0.00057	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
alpha-BHC	0.00047	U	0.0019	0.00047	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
alpha-Chlordane	0.00066	U	0.0019	0.00066	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
beta-BHC	0.00061	U	0.0019	0.00061	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Chlordane (technical)	0.0070	U	0.028	0.0070	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
4,4'-DDD	0.00049	U	0.0023	0.00049	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
4,4'-DDE	0.0093		0.0019	0.00054	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
4,4'-DDT	0.0081		0.0019	0.00044	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
delta-BHC	0.00042	U	0.0019	0.00042	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Dieldrin	0.00024	U	0.0019	0.00024	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Endosulfan I	0.00051	U	0.0019	0.00051	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Endosulfan II	0.00021	U	0.0019	0.00021	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Endosulfan sulfate	0.00037	U	0.0019	0.00037	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Endrin	0.00043	U	0.0019	0.00043	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Endrin aldehyde	0.00030	U	0.0019	0.00030	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Endrin ketone	0.00028	U	0.0019	0.00028	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
gamma-BHC (Lindane)	0.00046	U	0.0019	0.00046	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
gamma-Chlordane	0.00022	U	0.0019	0.00022	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Heptachlor	0.00061	U	0.0019	0.00061	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Heptachlor epoxide	0.00049	U	0.0019	0.00049	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Methoxychlor	0.00075	U	0.019	0.00075	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1
Toxaphene	0.027	U	0.11	0.027	mg/Kg	*	01/09/18 07:41	01/09/18 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		30 - 150	01/09/18 07:41	01/09/18 17:25	1
Tetrachloro-m-xylene	67		30 - 150	01/09/18 07:41	01/09/18 17:25	1

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QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 660-191424/1-A
Matrix: Solid
Analysis Batch: 191436

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191424

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	0.00050	U	0.0017	0.00050	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
alpha-BHC	0.00041	U	0.0017	0.00041	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
alpha-Chlordane	0.00057	U	0.0017	0.00057	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
beta-BHC	0.00053	U	0.0017	0.00053	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Chlordane (technical)	0.0061	U	0.025	0.0061	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
4,4'-DDD	0.00043	U	0.0020	0.00043	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
4,4'-DDE	0.00047	U	0.0017	0.00047	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
4,4'-DDT	0.00039	U	0.0017	0.00039	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
delta-BHC	0.00036	U	0.0017	0.00036	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Dieldrin	0.00021	U	0.0017	0.00021	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Endosulfan I	0.00044	U	0.0017	0.00044	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Endosulfan II	0.00019	U	0.0017	0.00019	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Endosulfan sulfate	0.00032	U	0.0017	0.00032	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Endrin	0.00038	U	0.0017	0.00038	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Endrin aldehyde	0.00026	U	0.0017	0.00026	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Endrin ketone	0.00025	U	0.0017	0.00025	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
gamma-BHC (Lindane)	0.00040	U	0.0017	0.00040	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
gamma-Chlordane	0.00019	U	0.0017	0.00019	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Heptachlor	0.00053	U	0.0017	0.00053	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Heptachlor epoxide	0.00043	U	0.0017	0.00043	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Methoxychlor	0.00066	U	0.017	0.00066	mg/Kg		01/08/18 11:02	01/08/18 16:56	1
Toxaphene	0.024	U	0.10	0.024	mg/Kg		01/08/18 11:02	01/08/18 16:56	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	81		30 - 150	01/08/18 11:02	01/08/18 16:56	1
Tetrachloro-m-xylene	83		30 - 150	01/08/18 11:02	01/08/18 16:56	1

Lab Sample ID: LCS 660-191424/2-A
Matrix: Solid
Analysis Batch: 191453

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191424

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Aldrin	0.0132	0.0115		mg/Kg		87	39 - 130
alpha-BHC	0.0132	0.0116		mg/Kg		87	35 - 130
alpha-Chlordane	0.0132	0.0115		mg/Kg		87	40 - 128
beta-BHC	0.0132	0.0121		mg/Kg		92	42 - 130
4,4'-DDD	0.0132	0.0101		mg/Kg		76	36 - 139
4,4'-DDE	0.0132	0.0116		mg/Kg		88	37 - 132
4,4'-DDT	0.0132	0.0198		mg/Kg		150	45 - 150
delta-BHC	0.0132	0.0118		mg/Kg		89	38 - 130
Dieldrin	0.0132	0.0114		mg/Kg		86	38 - 134
Endosulfan I	0.0132	0.0112		mg/Kg		85	40 - 130
Endosulfan II	0.0132	0.0117		mg/Kg		89	37 - 129
Endosulfan sulfate	0.0132	0.0119		mg/Kg		90	45 - 135
Endrin	0.0132	0.0117		mg/Kg		88	36 - 137
Endrin aldehyde	0.0132	0.0111		mg/Kg		84	37 - 114
Endrin ketone	0.0132	0.0123		mg/Kg		93	39 - 137
gamma-BHC (Lindane)	0.0132	0.0115		mg/Kg		87	38 - 130

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 660-191424/2-A				Client Sample ID: Lab Control Sample					
Matrix: Solid				Prep Type: Total/NA					
Analysis Batch: 191453				Prep Batch: 191424					
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
gamma-Chlordane	0.0132	0.0116		mg/Kg		88	39 - 130		
Heptachlor	0.0132	0.0127		mg/Kg		96	41 - 150		
Heptachlor epoxide	0.0132	0.0110		mg/Kg		83	39 - 130		
Methoxychlor	0.0132	0.0183		mg/Kg		138	34 - 150		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
DCB Decachlorobiphenyl	87		30 - 150						
Tetrachloro-m-xylene	93		30 - 150						

Lab Sample ID: LCS 660-191424/3-A				Client Sample ID: Lab Control Sample					
Matrix: Solid				Prep Type: Total/NA					
Analysis Batch: 191436				Prep Batch: 191424					
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlordane (technical)	0.166	0.149		mg/Kg		90	34 - 150		
Toxaphene	0.832	0.721		mg/Kg		87	35 - 150		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
DCB Decachlorobiphenyl	83		30 - 150						
Tetrachloro-m-xylene	83		30 - 150						

Lab Sample ID: 660-84825-4 MS				Client Sample ID: Swale SW (0.5-2.0)						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 191436				Prep Batch: 191424						
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Aldrin	0.00053	U	0.0144	0.0119		mg/Kg	*	82	39 - 130	
alpha-BHC	0.00044	U	0.0144	0.0113		mg/Kg	*	78	35 - 130	
alpha-Chlordane	0.00062	U	0.0144	0.0119		mg/Kg	*	82	40 - 128	
beta-BHC	0.00057	U	0.0144	0.0159		mg/Kg	*	110	42 - 130	
4,4'-DDD	0.00046	U	0.0144	0.0116		mg/Kg	*	80	36 - 139	
4,4'-DDE	0.00050	U	0.0144	0.0135		mg/Kg	*	94	37 - 132	
4,4'-DDT	0.00042	U	0.0144	0.0212		mg/Kg	*	147	45 - 150	
delta-BHC	0.00039	U	0.0144	0.0120		mg/Kg	*	83	38 - 130	
Dieldrin	0.00022	U	0.0144	0.0118		mg/Kg	*	82	38 - 134	
Endosulfan I	0.00048	U	0.0144	0.0110		mg/Kg	*	76	40 - 130	
Endosulfan II	0.00020	U	0.0144	0.0120		mg/Kg	*	83	37 - 129	
Endosulfan sulfate	0.00035	U	0.0144	0.0126		mg/Kg	*	88	45 - 135	
Endrin	0.00040	U	0.0144	0.0130		mg/Kg	*	90	36 - 137	
Endrin aldehyde	0.00028	U	0.0144	0.0102		mg/Kg	*	71	37 - 114	
Endrin ketone	0.00026	U	0.0144	0.0124		mg/Kg	*	86	39 - 137	
gamma-BHC (Lindane)	0.00043	U	0.0144	0.0116		mg/Kg	*	81	38 - 130	
gamma-Chlordane	0.00021	U	0.0144	0.0118		mg/Kg	*	82	39 - 130	
Heptachlor	0.00057	U	0.0144	0.0128		mg/Kg	*	89	41 - 150	
Heptachlor epoxide	0.00046	U	0.0144	0.0118		mg/Kg	*	82	39 - 130	
Methoxychlor	0.00071	U	0.0144	0.0198		mg/Kg	*	137	34 - 150	

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 660-84825-4 MS

Matrix: Solid

Analysis Batch: 191436

Client Sample ID: Swale SW (0.5-2.0)

Prep Type: Total/NA

Prep Batch: 191424

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	85		30 - 150
Tetrachloro-m-xylene	80		30 - 150

Lab Sample ID: 660-84825-4 MS

Matrix: Solid

Analysis Batch: 191436

Client Sample ID: Swale SW (0.5-2.0)

Prep Type: Total/NA

Prep Batch: 191424

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlordane (technical)	0.0066	U	0.180	0.163		mg/Kg	*	91	34 - 150
Toxaphene	0.025	U	0.899	0.720		mg/Kg	*	80	35 - 150

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	81		30 - 150
Tetrachloro-m-xylene	77		30 - 150

Lab Sample ID: 660-84825-4 MSD

Matrix: Solid

Analysis Batch: 191436

Client Sample ID: Swale SW (0.5-2.0)

Prep Type: Total/NA

Prep Batch: 191424

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier					RPD	Limit
Aldrin	0.00053	U	0.0144	0.0123		mg/Kg	*	85	39 - 130	3	40
alpha-BHC	0.00044	U	0.0144	0.0115		mg/Kg	*	80	35 - 130	2	40
alpha-Chlordane	0.00062	U	0.0144	0.0123		mg/Kg	*	86	40 - 128	4	40
beta-BHC	0.00057	U	0.0144	0.0183		mg/Kg	*	127	42 - 130	14	40
4,4'-DDD	0.00046	U	0.0144	0.0119		mg/Kg	*	83	36 - 139	3	40
4,4'-DDE	0.00050	U	0.0144	0.0140		mg/Kg	*	97	37 - 132	3	40
4,4'-DDT	0.00042	U	0.0144	0.0212		mg/Kg	*	147	45 - 150	0	40
delta-BHC	0.00039	U	0.0144	0.0128		mg/Kg	*	89	38 - 130	7	40
Dieldrin	0.00022	U	0.0144	0.0122		mg/Kg	*	84	38 - 134	3	40
Endosulfan I	0.00048	U	0.0144	0.0114		mg/Kg	*	79	40 - 130	4	40
Endosulfan II	0.00020	U	0.0144	0.0122		mg/Kg	*	85	37 - 129	2	40
Endosulfan sulfate	0.00035	U	0.0144	0.0128		mg/Kg	*	89	45 - 135	1	40
Endrin	0.00040	U	0.0144	0.0130		mg/Kg	*	90	36 - 137	0	40
Endrin aldehyde	0.00028	U	0.0144	0.0111		mg/Kg	*	77	37 - 114	8	40
Endrin ketone	0.00026	U	0.0144	0.0126		mg/Kg	*	87	39 - 137	2	40
gamma-BHC (Lindane)	0.00043	U	0.0144	0.0125		mg/Kg	*	87	38 - 130	7	40
gamma-Chlordane	0.00021	U	0.0144	0.0124		mg/Kg	*	86	39 - 130	5	40
Heptachlor	0.00057	U	0.0144	0.0131		mg/Kg	*	91	41 - 150	2	40
Heptachlor epoxide	0.00046	U	0.0144	0.0124		mg/Kg	*	86	39 - 130	5	40
Methoxychlor	0.00071	U	0.0144	0.0199		mg/Kg	*	138	34 - 150	1	40

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	83		30 - 150
Tetrachloro-m-xylene	82		30 - 150

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 660-84825-4 MSD

Client Sample ID: Swale SW (0.5-2.0)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 191436

Prep Batch: 191424

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chlordane (technical)	0.0066	U	0.179	0.161		mg/Kg	✖	90	34 - 150	1	40
Toxaphene	0.025	U	0.893	0.729		mg/Kg	✖	82	35 - 150	1	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	84		30 - 150
Tetrachloro-m-xylene	80		30 - 150

Lab Sample ID: MB 660-191450/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 191453

Prep Batch: 191450

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00048	U	0.0017	0.00048	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
alpha-BHC	0.00040	U	0.0017	0.00040	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
alpha-Chlordane	0.00056	U	0.0017	0.00056	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
beta-BHC	0.00052	U	0.0017	0.00052	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Chlordane (technical)	0.0060	U	0.024	0.0060	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
4,4'-DDD	0.00042	U	0.0020	0.00042	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
4,4'-DDE	0.00046	U	0.0017	0.00046	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
4,4'-DDT	0.00038	U	0.0017	0.00038	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
delta-BHC	0.00036	U	0.0017	0.00036	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Dieldrin	0.00020	U	0.0017	0.00020	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Endosulfan I	0.00043	U	0.0017	0.00043	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Endosulfan II	0.00018	U	0.0017	0.00018	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Endosulfan sulfate	0.00032	U	0.0017	0.00032	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Endrin	0.00037	U	0.0017	0.00037	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Endrin aldehyde	0.00026	U	0.0017	0.00026	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Endrin ketone	0.00024	U	0.0017	0.00024	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
gamma-BHC (Lindane)	0.00039	U	0.0017	0.00039	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
gamma-Chlordane	0.00019	U	0.0017	0.00019	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Heptachlor	0.00052	U	0.0017	0.00052	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Heptachlor epoxide	0.00042	U	0.0017	0.00042	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Methoxychlor	0.00065	U	0.017	0.00065	mg/Kg		01/09/18 07:36	01/09/18 14:30	1
Toxaphene	0.023	U	0.098	0.023	mg/Kg		01/09/18 07:36	01/09/18 14:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		30 - 150	01/09/18 07:36	01/09/18 14:30	1
Tetrachloro-m-xylene	84		30 - 150	01/09/18 07:36	01/09/18 14:30	1

Lab Sample ID: LCS 660-191450/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 191453

Prep Batch: 191450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aldrin	0.0134	0.00990		mg/Kg		74	39 - 130
alpha-BHC	0.0134	0.00950		mg/Kg		71	35 - 130
alpha-Chlordane	0.0134	0.0105		mg/Kg		79	40 - 128

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 660-191450/2-A
 Matrix: Solid
 Analysis Batch: 191453

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 191450
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
beta-BHC	0.0134	0.0111		mg/Kg		83	42 - 130
4,4'-DDD	0.0134	0.0103		mg/Kg		77	36 - 139
4,4'-DDE	0.0134	0.0106		mg/Kg		79	37 - 132
4,4'-DDT	0.0134	0.0196		mg/Kg		147	45 - 150
delta-BHC	0.0134	0.0104		mg/Kg		78	38 - 130
Dieldrin	0.0134	0.0104		mg/Kg		78	38 - 134
Endosulfan I	0.0134	0.0105		mg/Kg		79	40 - 130
Endosulfan II	0.0134	0.0112		mg/Kg		84	37 - 129
Endosulfan sulfate	0.0134	0.0117		mg/Kg		87	45 - 135
Endrin	0.0134	0.00964		mg/Kg		72	36 - 137
Endrin aldehyde	0.0134	0.0117		mg/Kg		87	37 - 114
Endrin ketone	0.0134	0.0123		mg/Kg		92	39 - 137
gamma-BHC (Lindane)	0.0134	0.0102		mg/Kg		76	38 - 130
gamma-Chlordane	0.0134	0.0106		mg/Kg		79	39 - 130
Heptachlor	0.0134	0.0113		mg/Kg		85	41 - 150
Heptachlor epoxide	0.0134	0.0101		mg/Kg		75	39 - 130
Methoxychlor	0.0134	0.0170		mg/Kg		128	34 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	85		30 - 150
Tetrachloro-m-xylene	78		30 - 150

Lab Sample ID: LCS 660-191450/3-A
 Matrix: Solid
 Analysis Batch: 191453

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 191450
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chlordane (technical)	0.164	0.139		mg/Kg		85	34 - 150
Toxaphene	0.820	0.774		mg/Kg		94	35 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	89		30 - 150
Tetrachloro-m-xylene	76		30 - 150

Lab Sample ID: 660-84825-27 MS
 Matrix: Solid
 Analysis Batch: 191453

Client Sample ID: M48 W25 (0.0-0.5)
 Prep Type: Total/NA
 Prep Batch: 191450
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aldrin	0.00054	U	0.0147	0.0119		mg/Kg	*	80	39 - 130
alpha-BHC	0.00045	U	0.0147	0.0114		mg/Kg	*	77	35 - 130
alpha-Chlordane	0.00063	U	0.0147	0.0145		mg/Kg	*	98	40 - 128
beta-BHC	0.00058	U	0.0147	0.0116		mg/Kg	*	78	42 - 130
4,4'-DDD	0.00047	U	0.0147	0.0126		mg/Kg	*	85	36 - 139
4,4'-DDE	0.00060	I	0.0147	0.0144		mg/Kg	*	94	37 - 132
4,4'-DDT	0.0011	I J3	0.0147	0.0270	J3	mg/Kg	*	176	45 - 150
delta-BHC	0.00040	U	0.0147	0.0122		mg/Kg	*	83	38 - 130
Dieldrin	0.00023	U	0.0147	0.0137		mg/Kg	*	93	38 - 134

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 660-84825-27 MS

Matrix: Solid

Analysis Batch: 191453

Client Sample ID: M48 W25 (0.0-0.5)

Prep Type: Total/NA

Prep Batch: 191450

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Endosulfan I	0.00049	U	0.0147	0.0136		mg/Kg	☼	92	40 - 130
Endosulfan II	0.00020	U	0.0147	0.0125		mg/Kg	☼	85	37 - 129
Endosulfan sulfate	0.00035	U	0.0147	0.0140		mg/Kg	☼	95	45 - 135
Endrin	0.00041	U	0.0147	0.0126		mg/Kg	☼	85	36 - 137
Endrin aldehyde	0.00029	U	0.0147	0.0108		mg/Kg	☼	73	37 - 114
Endrin ketone	0.00027	U	0.0147	0.0143		mg/Kg	☼	97	39 - 137
gamma-BHC (Lindane)	0.00044	U	0.0147	0.0126		mg/Kg	☼	86	38 - 130
gamma-Chlordane	0.00021	U	0.0147	0.0180		mg/Kg	☼	122	39 - 130
Heptachlor	0.00058	U	0.0147	0.0158		mg/Kg	☼	107	41 - 150
Heptachlor epoxide	0.00047	U	0.0147	0.0131		mg/Kg	☼	89	39 - 130
Methoxychlor	0.00072	U J3	0.0147	0.0191		mg/Kg	☼	129	34 - 150

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	85		30 - 150
Tetrachloro-m-xylene	78		30 - 150

Lab Sample ID: 660-84825-27 MS

Matrix: Solid

Analysis Batch: 191453

Client Sample ID: M48 W25 (0.0-0.5)

Prep Type: Total/NA

Prep Batch: 191450

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlordane (technical)	0.0067	U	0.187	0.181		mg/Kg	☼	97	34 - 150
Toxaphene	0.026	U	0.937	0.800		mg/Kg	☼	85	35 - 150

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	76		30 - 150
Tetrachloro-m-xylene	85		30 - 150

Lab Sample ID: 660-84825-27 MSD

Matrix: Solid

Analysis Batch: 191453

Client Sample ID: M48 W25 (0.0-0.5)

Prep Type: Total/NA

Prep Batch: 191450

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier					Limit	Limit
Aldrin	0.00054	U	0.0146	0.0115		mg/Kg	☼	79	39 - 130	3	40
alpha-BHC	0.00045	U	0.0146	0.0118		mg/Kg	☼	81	35 - 130	3	40
alpha-Chlordane	0.00063	U	0.0146	0.0134		mg/Kg	☼	92	40 - 128	8	40
beta-BHC	0.00058	U	0.0146	0.0122		mg/Kg	☼	84	42 - 130	5	40
4,4'-DDD	0.00047	U	0.0146	0.0124		mg/Kg	☼	85	36 - 139	2	40
4,4'-DDE	0.00060	I	0.0146	0.0135		mg/Kg	☼	88	37 - 132	6	40
4,4'-DDT	0.0011	I J3	0.0146	0.0248	J3	mg/Kg	☼	163	45 - 150	8	40
delta-BHC	0.00040	U	0.0146	0.0119		mg/Kg	☼	82	38 - 130	2	40
Dieldrin	0.00023	U	0.0146	0.0130		mg/Kg	☼	89	38 - 134	5	40
Endosulfan I	0.00049	U	0.0146	0.0126		mg/Kg	☼	87	40 - 130	7	40
Endosulfan II	0.00020	U	0.0146	0.0123		mg/Kg	☼	84	37 - 129	1	40
Endosulfan sulfate	0.00035	U	0.0146	0.0138		mg/Kg	☼	95	45 - 135	1	40
Endrin	0.00041	U	0.0146	0.0117		mg/Kg	☼	80	36 - 137	7	40
Endrin aldehyde	0.00029	U	0.0146	0.0106		mg/Kg	☼	73	37 - 114	2	40
Endrin ketone	0.00027	U	0.0146	0.0139		mg/Kg	☼	95	39 - 137	3	40

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 660-84825-27 MSD						Client Sample ID: M48 W25 (0.0-0.5)					
Matrix: Solid						Prep Type: Total/NA					
Analysis Batch: 191453						Prep Batch: 191450					
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
gamma-BHC (Lindane)	0.00044	U	0.0146	0.0128		mg/Kg	☼	88	38 - 130	1	40
gamma-Chlordane	0.00021	U	0.0146	0.0131		mg/Kg	☼	89	39 - 130	32	40
Heptachlor	0.00058	U	0.0146	0.0152		mg/Kg	☼	104	41 - 150	4	40
Heptachlor epoxide	0.00047	U	0.0146	0.0120		mg/Kg	☼	82	39 - 130	9	40
Methoxychlor	0.00072	U J3	0.0146	0.0175	I	mg/Kg	☼	120	34 - 150	9	40
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl	81		30 - 150								
Tetrachloro-m-xylene	80		30 - 150								

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Lab Sample ID: 660-84825-27 MSD						Client Sample ID: M48 W25 (0.0-0.5)					
Matrix: Solid						Prep Type: Total/NA					
Analysis Batch: 191453						Prep Batch: 191450					
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Chlordane (technical)	0.0067	U	0.188	0.176		mg/Kg	☼	94	34 - 150	3	40
Toxaphene	0.026	U	0.938	0.817		mg/Kg	☼	87	35 - 150	2	40
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl	71		30 - 150								
Tetrachloro-m-xylene	87		30 - 150								

Lab Sample ID: MB 660-191538/1-A						Client Sample ID: Method Blank					
Matrix: Solid						Prep Type: Total/NA					
Analysis Batch: 191577						Prep Batch: 191538					
Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
	Result	Qualifier									
Aldrin	0.00049	U	0.0017	0.00049	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
alpha-BHC	0.00041	U	0.0017	0.00041	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
alpha-Chlordane	0.00057	U	0.0017	0.00057	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
beta-BHC	0.00053	U	0.0017	0.00053	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Chlordane (technical)	0.0060	U	0.025	0.0060	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
4,4'-DDD	0.00042	U	0.0020	0.00042	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
4,4'-DDE	0.00047	U	0.0017	0.00047	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
4,4'-DDT	0.00038	U	0.0017	0.00038	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
delta-BHC	0.00036	U	0.0017	0.00036	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Dieldrin	0.00021	U	0.0017	0.00021	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Endosulfan I	0.00044	U	0.0017	0.00044	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Endosulfan II	0.00018	U	0.0017	0.00018	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Endosulfan sulfate	0.00032	U	0.0017	0.00032	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Endrin	0.00037	U	0.0017	0.00037	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Endrin aldehyde	0.00026	U	0.0017	0.00026	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Endrin ketone	0.00024	U	0.0017	0.00024	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
gamma-BHC (Lindane)	0.00040	U	0.0017	0.00040	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
gamma-Chlordane	0.00019	U	0.0017	0.00019	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Heptachlor	0.00053	U	0.0017	0.00053	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Heptachlor epoxide	0.00042	U	0.0017	0.00042	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		
Methoxychlor	0.00066	U	0.017	0.00066	mg/Kg		01/11/18 07:55	01/11/18 19:02	1		

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 660-191538/1-A Client Sample ID: Method Blank
 Matrix: Solid Prep Type: Total/NA
 Analysis Batch: 191577 Prep Batch: 191538

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toxaphene	0.023	U	0.099	0.023	mg/Kg		01/11/18 07:55	01/11/18 19:02	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	83		30 - 150	01/11/18 07:55	01/11/18 19:02	1
Tetrachloro-m-xylene	89		30 - 150	01/11/18 07:55	01/11/18 19:02	1

Lab Sample ID: LCS 660-191538/2-A Client Sample ID: Lab Control Sample
 Matrix: Solid Prep Type: Total/NA
 Analysis Batch: 191577 Prep Batch: 191538

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Aldrin	0.0134	0.0103		mg/Kg		77	39 - 130
alpha-BHC	0.0134	0.0101		mg/Kg		76	35 - 130
alpha-Chlordane	0.0134	0.0105		mg/Kg		78	40 - 128
beta-BHC	0.0134	0.0103		mg/Kg		77	42 - 130
4,4'-DDD	0.0134	0.00967		mg/Kg		72	36 - 139
4,4'-DDE	0.0134	0.0111		mg/Kg		83	37 - 132
4,4'-DDT	0.0134	0.0175		mg/Kg		131	45 - 150
delta-BHC	0.0134	0.00998		mg/Kg		75	38 - 130
Dieldrin	0.0134	0.0101		mg/Kg		75	38 - 134
Endosulfan I	0.0134	0.00972		mg/Kg		73	40 - 130
Endosulfan II	0.0134	0.0102		mg/Kg		76	37 - 129
Endosulfan sulfate	0.0134	0.0107		mg/Kg		80	45 - 135
Endrin	0.0134	0.00959		mg/Kg		72	36 - 137
Endrin aldehyde	0.0134	0.00933		mg/Kg		70	37 - 114
Endrin ketone	0.0134	0.0106		mg/Kg		79	39 - 137
gamma-BHC (Lindane)	0.0134	0.0101		mg/Kg		76	38 - 130
gamma-Chlordane	0.0134	0.0102		mg/Kg		77	39 - 130
Heptachlor	0.0134	0.0108		mg/Kg		80	41 - 150
Heptachlor epoxide	0.0134	0.00994		mg/Kg		74	39 - 130
Methoxychlor	0.0134	0.0156	I	mg/Kg		117	34 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	90		30 - 150
Tetrachloro-m-xylene	85		30 - 150

Lab Sample ID: LCS 660-191538/4-A Client Sample ID: Lab Control Sample
 Matrix: Solid Prep Type: Total/NA
 Analysis Batch: 191577 Prep Batch: 191538

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Chlordane (technical)	0.162	0.163		mg/Kg		101	34 - 150
Toxaphene	0.812	0.798		mg/Kg		98	35 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	87		30 - 150
Tetrachloro-m-xylene	80		30 - 150

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 660-191538/3-A
 Matrix: Solid
 Analysis Batch: 191577

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 191538
 %Rec. RPD

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aldrin	0.0132	0.00893		mg/Kg		68	39 - 130	14	40
alpha-BHC	0.0132	0.00864		mg/Kg		66	35 - 130	16	40
alpha-Chlordane	0.0132	0.00918		mg/Kg		70	40 - 128	13	40
beta-BHC	0.0132	0.0104		mg/Kg		79	42 - 130	0	40
4,4'-DDD	0.0132	0.00839		mg/Kg		64	36 - 139	14	40
4,4'-DDE	0.0132	0.00976		mg/Kg		74	37 - 132	13	40
4,4'-DDT	0.0132	0.0151		mg/Kg		115	45 - 150	14	40
delta-BHC	0.0132	0.00894		mg/Kg		68	38 - 130	11	40
Dieldrin	0.0132	0.00884		mg/Kg		67	38 - 134	13	40
Endosulfan I	0.0132	0.00862		mg/Kg		65	40 - 130	12	40
Endosulfan II	0.0132	0.00882		mg/Kg		67	37 - 129	14	40
Endosulfan sulfate	0.0132	0.00909		mg/Kg		69	45 - 135	16	40
Endrin	0.0132	0.00821		mg/Kg		62	36 - 137	16	40
Endrin aldehyde	0.0132	0.00801		mg/Kg		61	37 - 114	15	40
Endrin ketone	0.0132	0.00907		mg/Kg		69	39 - 137	15	40
gamma-BHC (Lindane)	0.0132	0.00904		mg/Kg		69	38 - 130	12	40
gamma-Chlordane	0.0132	0.00904		mg/Kg		69	39 - 130	12	40
Heptachlor	0.0132	0.00963		mg/Kg		73	41 - 150	11	40
Heptachlor epoxide	0.0132	0.00874		mg/Kg		66	39 - 130	13	40
Methoxychlor	0.0132	0.0133	I	mg/Kg		101	34 - 150	16	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	76		30 - 150
Tetrachloro-m-xylene	73		30 - 150

Lab Sample ID: LCSD 660-191538/5-A
 Matrix: Solid
 Analysis Batch: 191577

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 191538
 %Rec. RPD

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chlordane (technical)	0.165	0.165		mg/Kg		100	34 - 150	1	40
Toxaphene	0.825	0.752		mg/Kg		91	35 - 150	6	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	82		30 - 150
Tetrachloro-m-xylene	77		30 - 150

Lab Sample ID: 660-84825-20 MS
 Matrix: Solid
 Analysis Batch: 191577

Client Sample ID: N13 S25 (0.5-2.0)
 Prep Type: Total/NA
 Prep Batch: 191538
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aldrin	0.00058	U	0.0156	0.0110		mg/Kg	*	71	39 - 130
alpha-BHC	0.00048	U	0.0156	0.0103		mg/Kg	*	66	35 - 130
alpha-Chlordane	0.00067	U	0.0156	0.0102		mg/Kg	*	65	40 - 128
beta-BHC	0.00062	U	0.0156	0.0134		mg/Kg	*	86	42 - 130
4,4'-DDD	0.00050	U	0.0156	0.00933		mg/Kg	*	60	36 - 139

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 660-84825-20 MS				Client Sample ID: N13 S25 (0.5-2.0)						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 191577				Prep Batch: 191538						
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier					
4,4'-DDE	0.0046		0.0156	0.0149		mg/Kg	☼	66	37 - 132	
4,4'-DDT	0.00045	U	0.0156	0.0205		mg/Kg	☼	132	45 - 150	
delta-BHC	0.00042	U	0.0156	0.0112		mg/Kg	☼	72	38 - 130	
Dieldrin	0.00024	U	0.0156	0.00910		mg/Kg	☼	58	38 - 134	
Endosulfan I	0.00052	U	0.0156	0.0106		mg/Kg	☼	68	40 - 130	
Endosulfan II	0.00022	U	0.0156	0.00933		mg/Kg	☼	60	37 - 129	
Endosulfan sulfate	0.00038	U	0.0156	0.0122		mg/Kg	☼	78	45 - 135	
Endrin	0.00044	U	0.0156	0.0102		mg/Kg	☼	65	36 - 137	
Endrin aldehyde	0.00031	U	0.0156	0.00608		mg/Kg	☼	39	37 - 114	
Endrin ketone	0.00029	U	0.0156	0.00901		mg/Kg	☼	58	39 - 137	
gamma-BHC (Lindane)	0.00047	U	0.0156	0.00914		mg/Kg	☼	59	38 - 130	
gamma-Chlordane	0.00023	U	0.0156	0.00892		mg/Kg	☼	57	39 - 130	
Heptachlor	0.00062	U	0.0156	0.0115		mg/Kg	☼	74	41 - 150	
Heptachlor epoxide	0.00050	U	0.0156	0.00957		mg/Kg	☼	61	39 - 130	
Methoxychlor	0.00077	U	0.0156	0.0154	I	mg/Kg	☼	99	34 - 150	
MS MS										
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl	57		30 - 150							
Tetrachloro-m-xylene	79		30 - 150							

Lab Sample ID: 660-84825-20 MS				Client Sample ID: N13 S25 (0.5-2.0)						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 191577				Prep Batch: 191538						
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier					
Chlordane (technical)	0.0071	U	0.193	0.191		mg/Kg	☼	99	34 - 150	
Toxaphene	0.027	U	0.967	0.695		mg/Kg	☼	72	35 - 150	
MS MS										
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl	67		30 - 150							
Tetrachloro-m-xylene	63		30 - 150							

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

GC Semi VOA

Prep Batch: 191424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-1	Swale NW (0.0-0.5)	Total/NA	Solid	3546	
660-84825-2	Swale NW (0.5-2.0)	Total/NA	Solid	3546	
660-84825-3	Swale SW (0.0-0.5)	Total/NA	Solid	3546	
660-84825-3 - DL	Swale SW (0.0-0.5)	Total/NA	Solid	3546	
660-84825-4	Swale SW (0.5-2.0)	Total/NA	Solid	3546	
660-84825-5 - DL	Swale NE (0.0-0.5)	Total/NA	Solid	3546	
660-84825-5	Swale NE (0.0-0.5)	Total/NA	Solid	3546	
660-84825-6	Swale NE (0.5-2.0)	Total/NA	Solid	3546	
660-84825-6 - DL	Swale NE (0.5-2.0)	Total/NA	Solid	3546	
660-84825-7 - DL	Swale SE (0.0-0.5)	Total/NA	Solid	3546	
660-84825-7	Swale SE (0.0-0.5)	Total/NA	Solid	3546	
660-84825-8	Swale SE (0.5-2.0)	Total/NA	Solid	3546	
660-84825-8 - DL	Swale SE (0.5-2.0)	Total/NA	Solid	3546	
660-84825-9	M48 W25 S25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-10	M48 S25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-10 - DL	M48 S25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-12	M46 (0.5-2.0)	Total/NA	Solid	3546	
660-84825-13	M48 (0.5-2.0)	Total/NA	Solid	3546	
660-84825-19	N13 S25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-21	PLN 13 S25 (0.5-2.0)	Total/NA	Solid	3546	
660-84825-21 - DL	PLN 13 S25 (0.5-2.0)	Total/NA	Solid	3546	
660-84825-22 - DL	N45 W25 S25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-22	N45 W25 S25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-23	N48 W25 S25 (0.0-0.5)	Total/NA	Solid	3546	
MB 660-191424/1-A	Method Blank	Total/NA	Solid	3546	
LCS 660-191424/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 660-191424/3-A	Lab Control Sample	Total/NA	Solid	3546	
660-84825-4 MS	Swale SW (0.5-2.0)	Total/NA	Solid	3546	
660-84825-4 MS	Swale SW (0.5-2.0)	Total/NA	Solid	3546	
660-84825-4 MSD	Swale SW (0.5-2.0)	Total/NA	Solid	3546	
660-84825-4 MSD	Swale SW (0.5-2.0)	Total/NA	Solid	3546	

Analysis Batch: 191436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-1	Swale NW (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-2	Swale NW (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-3	Swale SW (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-4	Swale SW (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-5	Swale NE (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-6	Swale NE (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-7	Swale SE (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-8	Swale SE (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-9	M48 W25 S25 (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-10	M48 S25 (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-12	M46 (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-13	M48 (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-19	N13 S25 (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-21	PLN 13 S25 (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-22	N45 W25 S25 (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-23	N48 W25 S25 (0.0-0.5)	Total/NA	Solid	8081B	191424
MB 660-191424/1-A	Method Blank	Total/NA	Solid	8081B	191424

TestAmerica Tampa

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

GC Semi VOA (Continued)

Analysis Batch: 191436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-191424/3-A	Lab Control Sample	Total/NA	Solid	8081B	191424
660-84825-4 MS	Swale SW (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-4 MS	Swale SW (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-4 MSD	Swale SW (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-4 MSD	Swale SW (0.5-2.0)	Total/NA	Solid	8081B	191424

Prep Batch: 191450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-25	M45 S25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-25 - DL	M45 S25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-26	M45 W25 S25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-27	M48 W25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-28	M46 W25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-29	M47 W25 (0.0-0.5)	Total/NA	Solid	3546	
MB 660-191450/1-A	Method Blank	Total/NA	Solid	3546	
LCS 660-191450/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 660-191450/3-A	Lab Control Sample	Total/NA	Solid	3546	
660-84825-27 MS	M48 W25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-27 MS	M48 W25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-27 MSD	M48 W25 (0.0-0.5)	Total/NA	Solid	3546	
660-84825-27 MSD	M48 W25 (0.0-0.5)	Total/NA	Solid	3546	

Analysis Batch: 191453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-3 - DL	Swale SW (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-5 - DL	Swale NE (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-6 - DL	Swale NE (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-7 - DL	Swale SE (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-8 - DL	Swale SE (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-10 - DL	M48 S25 (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-21 - DL	PLN 13 S25 (0.5-2.0)	Total/NA	Solid	8081B	191424
660-84825-22 - DL	N45 W25 S25 (0.0-0.5)	Total/NA	Solid	8081B	191424
660-84825-25	M45 S25 (0.0-0.5)	Total/NA	Solid	8081B	191450
660-84825-25 - DL	M45 S25 (0.0-0.5)	Total/NA	Solid	8081B	191450
660-84825-26	M45 W25 S25 (0.0-0.5)	Total/NA	Solid	8081B	191450
660-84825-27	M48 W25 (0.0-0.5)	Total/NA	Solid	8081B	191450
660-84825-28	M46 W25 (0.0-0.5)	Total/NA	Solid	8081B	191450
660-84825-29	M47 W25 (0.0-0.5)	Total/NA	Solid	8081B	191450
MB 660-191450/1-A	Method Blank	Total/NA	Solid	8081B	191450
LCS 660-191424/2-A	Lab Control Sample	Total/NA	Solid	8081B	191424
LCS 660-191450/2-A	Lab Control Sample	Total/NA	Solid	8081B	191450
LCS 660-191450/3-A	Lab Control Sample	Total/NA	Solid	8081B	191450
660-84825-27 MS	M48 W25 (0.0-0.5)	Total/NA	Solid	8081B	191450
660-84825-27 MS	M48 W25 (0.0-0.5)	Total/NA	Solid	8081B	191450
660-84825-27 MSD	M48 W25 (0.0-0.5)	Total/NA	Solid	8081B	191450
660-84825-27 MSD	M48 W25 (0.0-0.5)	Total/NA	Solid	8081B	191450

Prep Batch: 191538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-20	N13 S25 (0.5-2.0)	Total/NA	Solid	3546	
MB 660-191538/1-A	Method Blank	Total/NA	Solid	3546	

TestAmerica Tampa

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

GC Semi VOA (Continued)

Prep Batch: 191538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-191538/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 660-191538/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 660-191538/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
LCSD 660-191538/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	
660-84825-20 MS	N13 S25 (0.5-2.0)	Total/NA	Solid	3546	
660-84825-20 MS	N13 S25 (0.5-2.0)	Total/NA	Solid	3546	

Analysis Batch: 191577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-20	N13 S25 (0.5-2.0)	Total/NA	Solid	8081B	191538
MB 660-191538/1-A	Method Blank	Total/NA	Solid	8081B	191538
LCS 660-191538/2-A	Lab Control Sample	Total/NA	Solid	8081B	191538
LCS 660-191538/4-A	Lab Control Sample	Total/NA	Solid	8081B	191538
LCSD 660-191538/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	191538
LCSD 660-191538/5-A	Lab Control Sample Dup	Total/NA	Solid	8081B	191538
660-84825-20 MS	N13 S25 (0.5-2.0)	Total/NA	Solid	8081B	191538
660-84825-20 MS	N13 S25 (0.5-2.0)	Total/NA	Solid	8081B	191538

General Chemistry

Analysis Batch: 191396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-1	Swale NW (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-2	Swale NW (0.5-2.0)	Total/NA	Solid	Moisture	
660-84804-C-1 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 191416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-3	Swale SW (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-4	Swale SW (0.5-2.0)	Total/NA	Solid	Moisture	
660-84825-5	Swale NE (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-6	Swale NE (0.5-2.0)	Total/NA	Solid	Moisture	
660-84825-7	Swale SE (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-8	Swale SE (0.5-2.0)	Total/NA	Solid	Moisture	
660-84825-9	M48 W25 S25 (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-10	M48 S25 (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-12	M46 (0.5-2.0)	Total/NA	Solid	Moisture	
660-84825-13	M48 (0.5-2.0)	Total/NA	Solid	Moisture	
660-84825-19	N13 S25 (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-3 DU	Swale SW (0.0-0.5)	Total/NA	Solid	Moisture	

Analysis Batch: 191432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-21	PLN 13 S25 (0.5-2.0)	Total/NA	Solid	Moisture	
660-84825-22	N45 W25 S25 (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-23	N48 W25 S25 (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-25	M45 S25 (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-26	M45 W25 S25 (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-27	M48 W25 (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-28	M46 W25 (0.0-0.5)	Total/NA	Solid	Moisture	

TestAmerica Tampa

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

General Chemistry (Continued)

Analysis Batch: 191432 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-29	M47 W25 (0.0-0.5)	Total/NA	Solid	Moisture	
660-84825-25 DU	M45 S25 (0.0-0.5)	Total/NA	Solid	Moisture	

Analysis Batch: 191541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-84825-20	N13 S25 (0.5-2.0)	Total/NA	Solid	Moisture	
660-84872-A-13 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale NW (0.0-0.5)

Lab Sample ID: 660-84825-1

Date Collected: 01/04/18 15:45

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191396	01/08/18 06:53	AJG	TAL TAM

Client Sample ID: Swale NW (0.0-0.5)

Lab Sample ID: 660-84825-1

Date Collected: 01/04/18 15:45

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.94 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 17:53	MDS	TAL TAM

Client Sample ID: Swale NW (0.5-2.0)

Lab Sample ID: 660-84825-2

Date Collected: 01/04/18 15:50

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191396	01/08/18 07:08	AJG	TAL TAM

Client Sample ID: Swale NW (0.5-2.0)

Lab Sample ID: 660-84825-2

Date Collected: 01/04/18 15:50

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.96 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 18:07	MDS	TAL TAM

Client Sample ID: Swale SW (0.0-0.5)

Lab Sample ID: 660-84825-3

Date Collected: 01/04/18 16:00

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 07:19	AJG	TAL TAM

Client Sample ID: Swale SW (0.0-0.5)

Lab Sample ID: 660-84825-3

Date Collected: 01/04/18 16:00

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 18:21	MDS	TAL TAM
Total/NA	Prep	3546	DL		15.00 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B	DL	5			191453	01/09/18 12:03	MDS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale SW (0.5-2.0)

Lab Sample ID: 660-84825-4

Date Collected: 01/04/18 16:05

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 07:29	AJG	TAL TAM

Client Sample ID: Swale SW (0.5-2.0)

Lab Sample ID: 660-84825-4

Date Collected: 01/04/18 16:05

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 18:36	MDS	TAL TAM

Client Sample ID: Swale NE (0.0-0.5)

Lab Sample ID: 660-84825-5

Date Collected: 01/04/18 16:50

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 07:27	AJG	TAL TAM

Client Sample ID: Swale NE (0.0-0.5)

Lab Sample ID: 660-84825-5

Date Collected: 01/04/18 16:50

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.95 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 19:46	MDS	TAL TAM
Total/NA	Prep	3546	DL		14.95 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B	DL	5			191453	01/09/18 11:49	MDS	TAL TAM

Client Sample ID: Swale NE (0.5-2.0)

Lab Sample ID: 660-84825-6

Date Collected: 01/04/18 16:55

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 07:51	AJG	TAL TAM

Client Sample ID: Swale NE (0.5-2.0)

Lab Sample ID: 660-84825-6

Date Collected: 01/04/18 16:55

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.97 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 20:01	MDS	TAL TAM
Total/NA	Prep	3546	DL		14.97 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: Swale NE (0.5-2.0)

Lab Sample ID: 660-84825-6

Date Collected: 01/04/18 16:55

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8081B	DL	50			191453	01/09/18 12:17	MDS	TAL TAM

Client Sample ID: Swale SE (0.0-0.5)

Lab Sample ID: 660-84825-7

Date Collected: 01/04/18 17:05

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 07:51	AJG	TAL TAM

Client Sample ID: Swale SE (0.0-0.5)

Lab Sample ID: 660-84825-7

Date Collected: 01/04/18 17:05

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 20:15	MDS	TAL TAM
Total/NA	Prep	3546	DL		15.04 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B	DL	5			191453	01/09/18 12:31	MDS	TAL TAM

Client Sample ID: Swale SE (0.5-2.0)

Lab Sample ID: 660-84825-8

Date Collected: 01/04/18 17:10

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 08:01	AJG	TAL TAM

Client Sample ID: Swale SE (0.5-2.0)

Lab Sample ID: 660-84825-8

Date Collected: 01/04/18 17:10

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.91 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 20:29	MDS	TAL TAM
Total/NA	Prep	3546	DL		14.91 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B	DL	20			191453	01/09/18 12:45	MDS	TAL TAM

Client Sample ID: M48 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-9

Date Collected: 01/04/18 13:50

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 08:05	AJG	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M48 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-9

Date Collected: 01/04/18 13:50

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 20:43	MDS	TAL TAM

Client Sample ID: M48 S25 (0.0-0.5)

Lab Sample ID: 660-84825-10

Date Collected: 01/04/18 14:00

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 08:10	AJG	TAL TAM

Client Sample ID: M48 S25 (0.0-0.5)

Lab Sample ID: 660-84825-10

Date Collected: 01/04/18 14:00

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.98 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 20:57	MDS	TAL TAM
Total/NA	Prep	3546	DL		14.98 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B	DL	5			191453	01/09/18 12:59	MDS	TAL TAM

Client Sample ID: M46 (0.5-2.0)

Lab Sample ID: 660-84825-12

Date Collected: 01/04/18 14:06

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 08:23	AJG	TAL TAM

Client Sample ID: M46 (0.5-2.0)

Lab Sample ID: 660-84825-12

Date Collected: 01/04/18 14:06

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.94 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 21:12	MDS	TAL TAM

Client Sample ID: M48 (0.5-2.0)

Lab Sample ID: 660-84825-13

Date Collected: 01/04/18 13:30

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 08:51	AJG	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M48 (0.5-2.0)

Lab Sample ID: 660-84825-13

Date Collected: 01/04/18 13:30

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.99 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 21:26	MDS	TAL TAM

Client Sample ID: N13 S25 (0.0-0.5)

Lab Sample ID: 660-84825-19

Date Collected: 01/04/18 17:30

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191416	01/08/18 09:25	AJG	TAL TAM

Client Sample ID: N13 S25 (0.0-0.5)

Lab Sample ID: 660-84825-19

Date Collected: 01/04/18 17:30

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.93 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 21:40	MDS	TAL TAM

Client Sample ID: N13 S25 (0.5-2.0)

Lab Sample ID: 660-84825-20

Date Collected: 01/04/18 17:35

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191541	01/11/18 06:02	AJG	TAL TAM

Client Sample ID: N13 S25 (0.5-2.0)

Lab Sample ID: 660-84825-20

Date Collected: 01/04/18 17:35

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.19 g	10 mL	191538	01/11/18 08:06	BKM	TAL TAM
Total/NA	Analysis	8081B		1			191577	01/11/18 20:13	MDS	TAL TAM

Client Sample ID: PLN 13 S25 (0.5-2.0)

Lab Sample ID: 660-84825-21

Date Collected: 01/04/18 17:45

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191432	01/08/18 10:26	AJG	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: PLN 13 S25 (0.5-2.0)

Lab Sample ID: 660-84825-21

Date Collected: 01/04/18 17:45

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.98 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 21:54	MDS	TAL TAM
Total/NA	Prep	3546	DL		14.98 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B	DL	10			191453	01/09/18 13:14	MDS	TAL TAM

Client Sample ID: N45 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-22

Date Collected: 01/04/18 15:00

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191432	01/08/18 10:27	AJG	TAL TAM

Client Sample ID: N45 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-22

Date Collected: 01/04/18 15:00

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.92 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 22:08	MDS	TAL TAM
Total/NA	Prep	3546	DL		14.92 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B	DL	5			191453	01/09/18 13:28	MDS	TAL TAM

Client Sample ID: N48 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-23

Date Collected: 01/04/18 15:30

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191432	01/08/18 10:39	AJG	TAL TAM

Client Sample ID: N48 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-23

Date Collected: 01/04/18 15:30

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.98 g	10 mL	191424	01/08/18 11:02	EM	TAL TAM
Total/NA	Analysis	8081B		1			191436	01/08/18 22:23	MDS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M45 S25 (0.0-0.5)

Lab Sample ID: 660-84825-25

Date Collected: 01/04/18 15:20

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191432	01/08/18 09:50	AJG	TAL TAM

Client Sample ID: M45 S25 (0.0-0.5)

Lab Sample ID: 660-84825-25

Date Collected: 01/04/18 15:20

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.39 g	10 mL	191450	01/09/18 07:36	BKM	TAL TAM
Total/NA	Analysis	8081B		1			191453	01/09/18 16:42	MDS	TAL TAM
Total/NA	Prep	3546	DL		15.39 g	10 mL	191450	01/09/18 07:36	BKM	TAL TAM
Total/NA	Analysis	8081B	DL	5			191453	01/09/18 17:39	MDS	TAL TAM

Client Sample ID: M45 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-26

Date Collected: 01/04/18 15:10

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191432	01/08/18 10:00	AJG	TAL TAM

Client Sample ID: M45 W25 S25 (0.0-0.5)

Lab Sample ID: 660-84825-26

Date Collected: 01/04/18 15:10

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.82 g	10 mL	191450	01/09/18 07:41	BKM	TAL TAM
Total/NA	Analysis	8081B		1			191453	01/09/18 16:56	MDS	TAL TAM

Client Sample ID: M48 W25 (0.0-0.5)

Lab Sample ID: 660-84825-27

Date Collected: 01/04/18 13:40

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191432	01/08/18 10:01	AJG	TAL TAM

Client Sample ID: M48 W25 (0.0-0.5)

Lab Sample ID: 660-84825-27

Date Collected: 01/04/18 13:40

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.39 g	10 mL	191450	01/09/18 07:36	BKM	TAL TAM
Total/NA	Analysis	8081B		1			191453	01/09/18 15:12	MDS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Client Sample ID: M46 W25 (0.0-0.5)

Lab Sample ID: 660-84825-28

Date Collected: 01/04/18 14:07

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191432	01/08/18 10:14	AJG	TAL TAM

Client Sample ID: M46 W25 (0.0-0.5)

Lab Sample ID: 660-84825-28

Date Collected: 01/04/18 14:07

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.92 g	10 mL	191450	01/09/18 07:41	BKM	TAL TAM
Total/NA	Analysis	8081B		1			191453	01/09/18 17:10	MDS	TAL TAM

Client Sample ID: M47 W25 (0.0-0.5)

Lab Sample ID: 660-84825-29

Date Collected: 01/04/18 14:50

Matrix: Solid

Date Received: 01/06/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			191432	01/08/18 10:15	AJG	TAL TAM

Client Sample ID: M47 W25 (0.0-0.5)

Lab Sample ID: 660-84825-29

Date Collected: 01/04/18 14:50

Matrix: Solid

Date Received: 01/06/18 09:45

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.14 g	10 mL	191450	01/09/18 07:41	BKM	TAL TAM
Total/NA	Analysis	8081B		1			191453	01/09/18 17:25	MDS	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	TAL TAM
Moisture	Percent Moisture	EPA	TAL TAM

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-84825-1

Laboratory: TestAmerica Tampa

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Florida	NELAP	4	E84282	06-30-18
Georgia	State Program	4	905	06-30-18
USDA	Federal		P525-170731-001	09-25-20

TestAmerica Tampa
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 Tampa, FL 33634
 Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL SOLUTIONS

Client Information		Sampler: <i>Kenyon G. Howard</i>		Lab PM: Hornsby, Jess		Carrier Tracking No(s):		COC No: 660-78770-25371.2	
Client Contact: Mr. Gregg Roberts		Phone: 407-297-3214		E-Mail: jess.hornsby@testamericainc.com				Page: Page 2 of 4	
Company: Aptim Environmental & Infrastructure Inc		Address: 725 US Highway 301 South		City: Tampa		State, Zip: FL, 33619		Phone: 813-612-3687(Tel)	
Email: gregg.roberts@aptim.com		Project Name: Southern Crop Services - Delray Beach		Site:		Due Date Requested: 1/9/18		Analysis Requested: 530 Orlando	
TAT Requested (days): 3 Day TAT		TAT Requested (days): 3-day TAT		PO #: 631222413		WO #:		Job #:	
Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8081B - OC Pesticides		Barcode: 660-84825 Chain of Custody		Preservation Codes:	
								A - HCL M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - H2SO4 S - TSP Dodecahydrate T - Acetone U - MCAA V - pH 4-5 Z - other (specify)	
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=swale/oil, DT=Tissue, A=Air)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
Preservation Code:						N		Total Number of containers: 3 Day TAT	
Swale NW (0.0-0.5)		12/04/18	1545	C	Solid		✓		3 Day TAT
Swale NW (0.5-2.0)		12/04/18	1550	C	Solid		✓		3 Day TAT
Swale SW (0.0-0.5)		12/04/18	1600	C	Solid		✓		3 Day TAT
Swale SW (0.5-2.0)		12/04/18	1605	C	Solid		✓		3 Day TAT
Swale NE (0.0-0.5)		12/04/18	1650	C	Solid		✓		3 Day TAT
Swale NE (0.5-2.0)		12/04/18	1655	C	Solid		✓		3 Day TAT
Swale SE (0.0-0.5)		12/04/18	1705	C	Solid		✓		3 Day TAT
Swale SE (0.5-2.0)		12/04/18	1710	C	Solid		✓		3 Day TAT
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Deliverable Requested: I, II, III, IV, Other (specify)				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Empty Kit Relinquished by: <i>[Signature]</i>		Date: 1-3-18		Time: 16:00		Method of Shipment: Client pick up			
Relinquished by: <i>[Signature]</i>		Date/Time: 12/05/18 11:40		Company: Aptim		Received by: <i>[Signature]</i>		Date/Time: 1-5-18 11:50	
Relinquished by: <i>[Signature]</i>		Date/Time: 1-5-18 12:15		Company: Aptim		Received by: <i>[Signature]</i>		Date/Time: 1/6/18 9:45	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.6/2.5 Cmoq					

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1/17/2018

TestAmerica Tampa
 6712 Benjamin Road Suite 100
 Tampa, FL 33634
 Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

TestAmerica
 11111 ABERNETHY WILSON ROAD TAMPA, FL 33613

Client Information		Sampler: <i>Kenyon G. Howard</i>		Lab PM: Hornsby, Jess		Carrier Tracking No(s):		COC No: 660-78770-25371.4	
Client Contact: Mr. Gregg Roberts		Phone: 407-297-3214		E-Mail: jess.hornsby@testamericainc.com				Page: Page 4 of 4	
Company: Aptim Environmental & Infrastructure Inc		Address: 725 US Highway 301 South		City: Tampa		State, Zip: FL, 33619		Phone: 813-612-3687(Tel)	
Email: gregg.roberts@aptim.com		Project Name: Southern Crop Services - Delray Beach		Site:		Due Date Requested:		TAT Requested (days): <i>Standard TAT</i>	
PO #: 631222413		WO #:		Project #: 66010313		SSOW#:		Analysis Requested: <i>530-Orlando</i>	
Job #:		Preservation Codes:		Field Filtered Sample (Yes or No):		Perform MS/MSD (Yes or No):		8081B - OC Pesticides:	
A - HCL		M - Hexane		B - NaOH		N - None		C - Zn Acetate	
D - Nitric Acid		O - AsNaO2		E - NaHSO4		Q - Na2SO3		F - MeOH	
G - Amchlor		R - Na2S2O3		H - Ascorbic Acid		S - H2SO4		I - Ice	
J - DI Water		U - Acetone		K - EDTA		V - MCAA		L - EDA	
W - pH 4-5		Z - other (specify)		Other:		Total Number of containers:		Contingent samples to be run per results of other samples	
Special Instructions/Note:		Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Matrix (W=water, S=solid, O=wastelol, BT=Tissue, A=Air)		Preservation Code:		Field Filtered Sample (Yes or No):		Perform MS/MSD (Yes or No):		8081B - OC Pesticides:	
N		M48 W25 S25 (0.0-0.5)		12/04/18		1350		C Solid	
✓		M48 S25 (0.0-0.5)		12/04/18		1400		C Solid	
✓		M49 (0.0-0.5)		12/04/18		1440		C Solid	
Contingent		M46 (0.5-2.0)		12/04/18		1406		C Solid	
✓		M48 (0.5-2.0)		12/04/18		1330		C Solid	
✓		L45 (0.0-0.5)		12/04/18		1430		C Solid	
Contingent		L46 (0.0-0.5)		12/04/18		1425		C Solid	
Contingent		L47 (0.0-0.5)		12/04/18		1420		C Solid	
Contingent		L48 (0.0-0.5)		12/04/18		1415		C Solid	
Contingent		L49 (0.0-0.5)		12/04/18		1410		C Solid	
Contingent		Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client		Disposal By Lab	
Archive For Months		Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:		Empty Kit Relinquished by: <i>Gregg Roberts</i>		Date: 1-3-18	
Time: 16:00		Method of Shipment: Client pickup		Relinquished by: <i>Kenyon G. Howard</i>		Date/Time: 12/05/18 11:50		Company: Aptim	
Received by: <i>Gregg Roberts</i>		Date/Time: 1-5-18 11:50		Company: Aptim		Relinquished by: <i>Gregg Roberts</i>		Date/Time: 1-5-18 12:15	
Company: Aptim		Received by: <i>Kenyon G. Howard</i>		Date/Time: 1/6/18 9:45		Company: Aptim		Custody Seals Intact: Δ Yes Δ No	
Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		1/17/2018		530-Orlando		Ver: 08/04/2016	

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1/17/2018

TestAmerica Tampa
 6712 Benjamin Road Suite 100
 Tampa, FL 33634
 Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler: <i>Kenyon G. Howard</i>		Lab PM: Hornsby, Jess		Carrier Tracking No(s):		COC No: 660-78770-25371.3	
Client Contact: Mr. Gregg Roberts		Phone: 407-287-3214		E-Mail: jess.hornsby@testamericainc.com		530-Orlando		Page: Page 3 of 4	
Company: Aptim Environmental & Infrastructure Inc		Due Date Requested:		Analysis Requested		Total Number of Containers		Job #:	
Address: 725 US Highway 301 South		TAT Requested (days): Standard TAT						Preservation Codes:	
City: Tampa		PO #: 631222413						A - HCL M - Hexane	
State, Zip: FL, 33619		WO #:						B - NaOH N - None	
Phone: 813-612-3687(Tel)		Project #: 66010313						C - Zn Acetate O - AsNaO2	
Email: gregg.roberts@aptim.com		SSOW#:		D - Nitric Acid P - Na2O4S					
Project Name: Southern Crop Services - Delray Beach				E - NaHSO4 Q - Na2SO3					
Site:				F - MeOH R - Na2S2O3					
				G - Amchlor S - H2SO4					
				H - Ascorbic Acid T - TSP Dodecahydrate					
				I - Ice U - Acetone					
				J - DI Water V - MCAA					
				K - EDTA W - pH 4-5					
				L - EDA Z - other (specify)					
				Other:					
				Contingent samples to be run pending results of other samples					
				Special Instructions/Note:					
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	
								Field Filtered Sample (Yes or No)	
								Perform MS/MSD (Yes or No)	
								8081B - OC Pesticides	
								N	
N 13 S25 (0.0-0.5)		12/04/18		1730		C		Solid	
N 13 S25 (0.5-2.0)		12/04/18		1735		C		Solid	
PLN 13 S25 (0.5-2.0)		12/04/18		1745		C		Solid	
N 45 W25 S25 (0.0-0.5)		12/04/18		1500		C		Solid	
N 48 W25 S25 (0.0-0.5)		12/04/18		1530		C		Solid	
m 45 (0.0-0.5)		12/04/18		1515		C		Solid	
m 45 S25 (0.0-0.5)		12/04/18		1520		C		Solid	
m 45 W25 S25 (0.0-0.5)		12/04/18		1510		C		Solid	
m 48 W25 (0.0-0.5)		12/04/18		1340		C		Solid	
m 46 W25 (0.0-0.5)		12/04/18		1407		C		Solid	
m 47 W25 (0.0-0.5)		12/04/18		1450		C		Solid	
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Deliverable Requested: I, II, III, IV, Other (specify)				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Special Instructions/Requirements:									
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <i>Kenyon G. Howard</i>		Date/Time: 12/05/18 1150		Company: Aptim		Received by: <i>[Signature]</i>		Date/Time: 1/5/18 11:50	
Relinquished by: <i>[Signature]</i>		Date/Time: 1/5-18 12:05		Company: Aptim		Received by: <i>[Signature]</i>		Date/Time: 1/6/18 945	
Relinquished by: <i>[Signature]</i>		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:					

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1/17/2018

530-Orlando

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 660-84825-1

Login Number: 84825

List Number: 1

Creator: Edwards, Erricka

List Source: TestAmerica Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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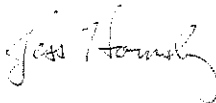
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
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TestAmerica Job ID: 660-85937-1
Client Project/Site: Southern Crop Services - Delray Beach

For:
Aptim Environmental & Infrastructure Inc
725 US Highway 301 South
Tampa, Florida 33619

Attn: Mr. Gregg Roberts



Authorized for release by:
3/13/2018 4:21:38 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

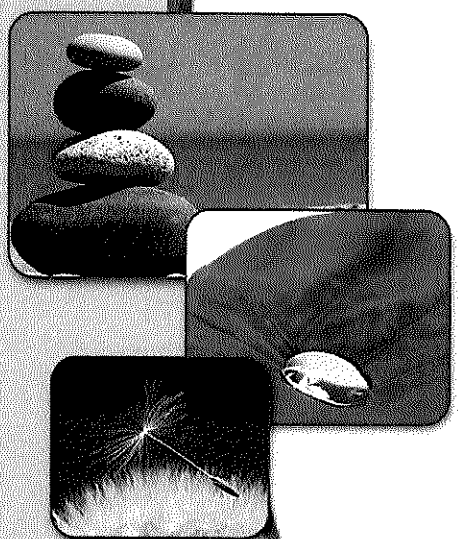




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Sample Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-85937-1	PLN 41 (0.0-0.5)	Solid	03/02/18 10:40	03/06/18 18:00
660-85937-2	PLN 41 (0.5-5.0)	Solid	03/02/18 10:45	03/06/18 18:00
660-85937-3	PLN 42 (0.0-0.5)	Solid	03/02/18 10:55	03/06/18 18:00
660-85937-4	PLN 42 (0.5-2.0)	Solid	03/02/18 11:00	03/06/18 18:00
660-85937-5	PLN 43 (0.0-0.5)	Solid	03/02/18 11:10	03/06/18 18:00
660-85937-6	PLN 43 (0.5-2.0)	Solid	03/02/18 11:15	03/06/18 18:00
660-85937-7	PLN 44 (0.0-0.5)	Solid	03/02/18 11:20	03/06/18 18:00
660-85937-8	PLN 44 (0.5-2.0)	Solid	03/02/18 11:25	03/06/18 18:00
660-85937-9	PLN 45 (0.0-0.5)	Solid	03/02/18 12:00	03/06/18 18:00
660-85937-10	PLN 45 (0.5-2.0)	Solid	03/02/18 12:05	03/06/18 18:00
660-85937-11	PLN 46 (0.5-2.0)	Solid	03/02/18 14:00	03/06/18 18:00
660-85937-12	PLN 50 (0.0-0.5)	Solid	03/02/18 14:10	03/06/18 18:00
660-85937-13	PLN 51 (0.0-0.5)	Solid	03/02/18 14:30	03/06/18 18:00
660-85937-14	PLN 51 (0.5-2.0)	Solid	03/02/18 14:35	03/06/18 18:00
660-85937-15	PLN 52 (0.0-0.5)	Solid	03/02/18 14:50	03/06/18 18:00
660-85937-16	PLN 52 (0.5-2.0)	Solid	03/02/18 14:55	03/06/18 18:00
660-85937-17	PLN 53 (0.0-0.5)	Solid	03/02/18 15:00	03/06/18 18:00
660-85937-18	PLN 53 (0.5-2.0)	Solid	03/02/18 15:15	03/06/18 18:00
660-85937-19	PLN 54 (0.0-0.5)	Solid	03/02/18 15:30	03/06/18 18:00
660-85937-20	PLN 54 (0.5-2.0)	Solid	03/02/18 15:35	03/06/18 18:00

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 41 (0.0-0.5)

Lab Sample ID: 660-85937-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.0013	I	0.0018	0.00049	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDT	0.0022		0.0018	0.00040	mg/Kg	1	☒	8081B	Total/NA

Client Sample ID: PLN 41 (0.5-5.0)

Lab Sample ID: 660-85937-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.00092	I	0.0021	0.00058	mg/Kg	1	☒	8081B	Total/NA

Client Sample ID: PLN 42 (0.0-0.5)

Lab Sample ID: 660-85937-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.0011	I	0.0018	0.00049	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDT	0.0022		0.0018	0.00040	mg/Kg	1	☒	8081B	Total/NA

Client Sample ID: PLN 42 (0.5-2.0)

Lab Sample ID: 660-85937-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.0019	I	0.0026	0.00055	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDE	0.0079		0.0022	0.00061	mg/Kg	1	☒	8081B	Total/NA

Client Sample ID: PLN 43 (0.0-0.5)

Lab Sample ID: 660-85937-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.00077	I	0.0025	0.00053	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDE	0.0051		0.0021	0.00059	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDT	0.0040		0.0021	0.00049	mg/Kg	1	☒	8081B	Total/NA
delta-BHC	0.0019	I	0.0021	0.00046	mg/Kg	1	☒	8081B	Total/NA

Client Sample ID: PLN 43 (0.5-2.0)

Lab Sample ID: 660-85937-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.0017	I	0.0029	0.00062	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDE	0.0081		0.0025	0.00068	mg/Kg	1	☒	8081B	Total/NA
delta-BHC	0.0062		0.0025	0.00053	mg/Kg	1	☒	8081B	Total/NA

Client Sample ID: PLN 44 (0.0-0.5)

Lab Sample ID: 660-85937-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.00059	I	0.0021	0.00044	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDE	0.0028		0.0018	0.00049	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDT	0.0022		0.0018	0.00040	mg/Kg	1	☒	8081B	Total/NA

Client Sample ID: PLN 44 (0.5-2.0)

Lab Sample ID: 660-85937-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.00048	I	0.0022	0.00047	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDE	0.0051		0.0019	0.00052	mg/Kg	1	☒	8081B	Total/NA
4,4'-DDT	0.0018	I	0.0019	0.00043	mg/Kg	1	☒	8081B	Total/NA
Dieldrin	0.00046	I	0.0019	0.00023	mg/Kg	1	☒	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 45 (0.0-0.5)

Lab Sample ID: 660-85937-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.0011	I	0.0022	0.00046	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDE	0.0046		0.0018	0.00051	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDT	0.0035		0.0018	0.00042	mg/Kg	1	✳	8081B	Total/NA
Dieldrin	0.00026	I	0.0018	0.00022	mg/Kg	1	✳	8081B	Total/NA
Endosulfan II	0.00035	I	0.0018	0.00020	mg/Kg	1	✳	8081B	Total/NA

Client Sample ID: PLN 45 (0.5-2.0)

Lab Sample ID: 660-85937-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.0022	I	0.0028	0.00061	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDE	0.0095		0.0024	0.00067	mg/Kg	1	✳	8081B	Total/NA

Client Sample ID: PLN 46 (0.5-2.0)

Lab Sample ID: 660-85937-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.00086	I	0.0024	0.00051	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDE	0.0048		0.0020	0.00056	mg/Kg	1	✳	8081B	Total/NA

Client Sample ID: PLN 50 (0.0-0.5)

Lab Sample ID: 660-85937-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.010		0.0022	0.00047	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDT	0.055		0.0019	0.00042	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDE - DL	0.082		0.0093	0.0026	mg/Kg	5	✳	8081B	Total/NA

Client Sample ID: PLN 51 (0.0-0.5)

Lab Sample ID: 660-85937-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-BHC (Lindane)	0.00088	I	0.0018	0.00041	mg/Kg	1	✳	8081B	Total/NA
trans-Chlordane	0.0086		0.0018	0.00020	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDD - DL	0.27		0.083	0.018	mg/Kg	40	✳	8081B	Total/NA
4,4'-DDE - DL	0.24		0.070	0.019	mg/Kg	40	✳	8081B	Total/NA
4,4'-DDT - DL	0.79		0.070	0.018	mg/Kg	40	✳	8081B	Total/NA

Client Sample ID: PLN 51 (0.5-2.0)

Lab Sample ID: 660-85937-14

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.0052		0.0026	0.00056	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDE	0.020		0.0022	0.00061	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDT	0.014		0.0022	0.00051	mg/Kg	1	✳	8081B	Total/NA

Client Sample ID: PLN 52 (0.0-0.5)

Lab Sample ID: 660-85937-15

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.00052	I	0.0018	0.00049	mg/Kg	1	✳	8081B	Total/NA

Client Sample ID: PLN 52 (0.5-2.0)

Lab Sample ID: 660-85937-16

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 53 (0.0-0.5)

Lab Sample ID: 660-85937-17

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
delta-BHC	0.00090	I	0.0019	0.00040	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDE - DL	0.11		0.0093	0.0026	mg/Kg	5	✳	8081B	Total/NA

Client Sample ID: PLN 53 (0.5-2.0)

Lab Sample ID: 660-85937-18

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.00076	I	0.0021	0.00058	mg/Kg	1	✳	8081B	Total/NA

Client Sample ID: PLN 54 (0.0-0.5)

Lab Sample ID: 660-85937-19

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.0071		0.0021	0.00045	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDE	0.054		0.0018	0.00050	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDT	0.0049		0.0018	0.00041	mg/Kg	1	✳	8081B	Total/NA

Client Sample ID: PLN 54 (0.5-2.0)

Lab Sample ID: 660-85937-20

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.00073	I	0.0021	0.00045	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDE	0.0032		0.0018	0.00049	mg/Kg	1	✳	8081B	Total/NA
4,4'-DDT	0.00095	I	0.0018	0.00041	mg/Kg	1	✳	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Case Narrative

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Job ID: 660-85937-1

Laboratory: TestAmerica Tampa

Narrative

Receipt

The samples were received on 3/6/2018 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC Semi VOA

Method 8081B: The precision between the primary and confirmation column exceeded 40% for 4,4-DDE for the following sample: PLN 53 (0.0-0.5) (660-85937-17). The higher value has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The following sample required a dilution due to the nature of the sample matrix: PLN 51 (0.0-0.5) (660-85937-13). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 41 (0.0-0.5)

Lab Sample ID: 660-85937-1

Date Collected: 03/02/18 10:40

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.8

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00051	U	0.0018	0.00051	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
alpha-BHC	0.00043	U	0.0018	0.00043	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
cis-Chlordane	0.00060	U	0.0018	0.00060	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
beta-BHC	0.00055	U	0.0018	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Chlordane (technical)	0.0063	U	0.026	0.0063	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
4,4'-DDD	0.00044	U	0.0021	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
4,4'-DDE	0.0013	I	0.0018	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
4,4'-DDT	0.0022	I	0.0018	0.00040	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
delta-BHC	0.00038	U	0.0018	0.00038	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Dieldrin	0.00022	U	0.0018	0.00022	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Endosulfan I	0.00046	U	0.0018	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Endosulfan II	0.00019	U	0.0018	0.00019	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Endosulfan sulfate	0.00034	U	0.0018	0.00034	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Endrin	0.00039	U	0.0018	0.00039	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Endrin aldehyde	0.00027	U	0.0018	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Endrin ketone	0.00025	U	0.0018	0.00025	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
gamma-BHC (Lindane)	0.00042	U	0.0018	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
trans-Chlordane	0.00020	U	0.0018	0.00020	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Heptachlor	0.00055	U	0.0018	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Heptachlor epoxide	0.00045	U	0.0018	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Methoxychlor	0.00069	U	0.018	0.00069	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Toxaphene	0.025	U	0.10	0.025	mg/Kg	*	03/07/18 13:13	03/08/18 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79		30 - 150				03/07/18 13:13	03/08/18 13:16	1
Tetrachloro-m-xylene	70		30 - 150				03/07/18 13:13	03/08/18 13:16	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 41 (0.5-5.0)

Lab Sample ID: 660-85937-2

Date Collected: 03/02/18 10:45

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 82.0

Method: 8081B - Organochlorine Pesticides (GC)										
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Aldrin	0.00061	U	0.0021	0.00061	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
alpha-BHC	0.00051	U	0.0021	0.00051	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
cis-Chlordane	0.00071	U	0.0021	0.00071	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
beta-BHC	0.00065	U	0.0021	0.00065	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Chlordane (technical)	0.0075	U	0.031	0.0075	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
4,4'-DDD	0.00052	U	0.0025	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
4,4'-DDE	0.00092	I	0.0021	0.00058	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
4,4'-DDT	0.00048	U	0.0021	0.00048	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
delta-BHC	0.00045	U	0.0021	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Dieldrin	0.00026	U	0.0021	0.00026	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Endosulfan I	0.00055	U	0.0021	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Endosulfan II	0.00023	U	0.0021	0.00023	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Endosulfan sulfate	0.00040	U	0.0021	0.00040	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Endrin	0.00046	U	0.0021	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Endrin aldehyde	0.00032	U	0.0021	0.00032	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Endrin ketone	0.00030	U	0.0021	0.00030	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
gamma-BHC (Lindane)	0.00049	U	0.0021	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
trans-Chlordane	0.00024	U	0.0021	0.00024	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Heptachlor	0.00065	U	0.0021	0.00065	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Heptachlor epoxide	0.00053	U	0.0021	0.00053	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Methoxychlor	0.00081	U	0.021	0.00081	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Toxaphene	0.029	U	0.12	0.029	mg/Kg	*	03/07/18 13:13	03/08/18 14:27	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
DCB Decachlorobiphenyl	86		30 - 150			03/07/18 13:13	03/08/18 14:27	1		
Tetrachloro-m-xylene	65		30 - 150			03/07/18 13:13	03/08/18 14:27	1		

TestAmerica Tampa

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 42 (0.0-0.5)

Lab Sample ID: 660-85937-3

Date Collected: 03/02/18 10:55

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.7

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00051	U	0.0018	0.00051	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
alpha-BHC	0.00043	U	0.0018	0.00043	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
cis-Chlordane	0.00060	U	0.0018	0.00060	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
beta-BHC	0.00055	U	0.0018	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Chlordane (technical)	0.0063	U	0.026	0.0063	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
4,4'-DDD	0.00044	U	0.0021	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
4,4'-DDE	0.0011	I	0.0018	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
4,4'-DDT	0.0022		0.0018	0.00040	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
delta-BHC	0.00038	U	0.0018	0.00038	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Dieldrin	0.00022	U	0.0018	0.00022	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Endosulfan I	0.00046	U	0.0018	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Endosulfan II	0.00019	U	0.0018	0.00019	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Endosulfan sulfate	0.00033	U	0.0018	0.00033	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Endrin	0.00039	U	0.0018	0.00039	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Endrin aldehyde	0.00027	U	0.0018	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Endrin ketone	0.00025	U	0.0018	0.00025	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
gamma-BHC (Lindane)	0.00042	U	0.0018	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
trans-Chlordane	0.00020	U	0.0018	0.00020	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Heptachlor	0.00055	U	0.0018	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Heptachlor epoxide	0.00044	U	0.0018	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Methoxychlor	0.00069	U	0.018	0.00069	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Toxaphene	0.024	U	0.10	0.024	mg/Kg	*	03/07/18 13:13	03/08/18 14:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		30 - 150				03/07/18 13:13	03/08/18 14:41	1
Tetrachloro-m-xylene	81		30 - 150				03/07/18 13:13	03/08/18 14:41	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 42 (0.5-2.0)

Lab Sample ID: 660-85937-4

Date Collected: 03/02/18 11:00

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 78.1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00064	U	0.0022	0.00064	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
alpha-BHC	0.00053	U	0.0022	0.00053	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
cis-Chlordane	0.00074	U	0.0022	0.00074	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
beta-BHC	0.00069	U	0.0022	0.00069	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Chlordane (technical)	0.0079	U	0.032	0.0079	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
4,4'-DDD	0.0019	I	0.0026	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
4,4'-DDE	0.0079		0.0022	0.00061	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
4,4'-DDT	0.00050	U	0.0022	0.00050	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
delta-BHC	0.00047	U	0.0022	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Dieldrin	0.00027	U	0.0022	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Endosulfan I	0.00057	U	0.0022	0.00057	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Endosulfan II	0.00024	U	0.0022	0.00024	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Endosulfan sulfate	0.00042	U	0.0022	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Endrin	0.00049	U	0.0022	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Endrin aldehyde	0.00034	U	0.0022	0.00034	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Endrin ketone	0.00032	U	0.0022	0.00032	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
gamma-BHC (Lindane)	0.00052	U	0.0022	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
trans-Chlordane	0.00025	U	0.0022	0.00025	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Heptachlor	0.00069	U	0.0022	0.00069	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Heptachlor epoxide	0.00055	U	0.0022	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Methoxychlor	0.00085	U	0.022	0.00085	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Toxaphene	0.031	U	0.13	0.031	mg/Kg	*	03/07/18 13:13	03/08/18 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		30 - 150				03/07/18 13:13	03/08/18 14:55	1
Tetrachloro-m-xylene	67		30 - 150				03/07/18 13:13	03/08/18 14:55	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 43 (0.0-0.5)

Lab Sample ID: 660-85937-5

Date Collected: 03/02/18 11:10

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 80.2

Method: 8081B - Organochlorine Pesticides (GC)										
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Aldrin	0.00062	U	0.0021	0.00062	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
alpha-BHC	0.00052	U	0.0021	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
cis-Chlordane	0.00072	U	0.0021	0.00072	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
beta-BHC	0.00067	U	0.0021	0.00067	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Chlordane (technical)	0.0077	U	0.031	0.0077	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
4,4'-DDD	0.00077	I	0.0025	0.00053	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
4,4'-DDE	0.0051		0.0021	0.00059	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
4,4'-DDT	0.0040		0.0021	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
delta-BHC	0.0019	I	0.0021	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Dieldrin	0.00026	U	0.0021	0.00026	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Endosulfan I	0.00056	U	0.0021	0.00056	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Endosulfan II	0.00023	U	0.0021	0.00023	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Endosulfan sulfate	0.00041	U	0.0021	0.00041	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Endrin	0.00047	U	0.0021	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Endrin aldehyde	0.00033	U	0.0021	0.00033	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Endrin ketone	0.00031	U	0.0021	0.00031	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
gamma-BHC (Lindane)	0.00050	U	0.0021	0.00050	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
trans-Chlordane	0.00024	U	0.0021	0.00024	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Heptachlor	0.00067	U	0.0021	0.00067	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Heptachlor epoxide	0.00054	U	0.0021	0.00054	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Methoxychlor	0.00083	U	0.021	0.00083	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Toxaphene	0.030	U	0.13	0.030	mg/Kg	*	03/07/18 13:13	03/08/18 15:09	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
DCB Decachlorobiphenyl	66		30 - 150			03/07/18 13:13	03/08/18 15:09	1		
Tetrachloro-m-xylene	79		30 - 150			03/07/18 13:13	03/08/18 15:09	1		

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 43 (0.5-2.0)

Lab Sample ID: 660-85937-6

Date Collected: 03/02/18 11:15

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 69.5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00072	U	0.0025	0.00072	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
alpha-BHC	0.00060	U	0.0025	0.00060	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
cis-Chlordane	0.00083	U	0.0025	0.00083	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
beta-BHC	0.00077	U	0.0025	0.00077	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Chlordane (technical)	0.0089	U	0.036	0.0089	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
4,4'-DDD	0.0017	I	0.0029	0.00062	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
4,4'-DDE	0.0081		0.0025	0.00068	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
4,4'-DDT	0.00056	U	0.0025	0.00056	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
delta-BHC	0.0062		0.0025	0.00053	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Dieldrin	0.00030	U	0.0025	0.00030	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Endosulfan I	0.00064	U	0.0025	0.00064	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Endosulfan II	0.00027	U	0.0025	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Endosulfan sulfate	0.00047	U	0.0025	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Endrin	0.00055	U	0.0025	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Endrin aldehyde	0.00038	U	0.0025	0.00038	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Endrin ketone	0.00036	U	0.0025	0.00036	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
gamma-BHC (Lindane)	0.00058	U	0.0025	0.00058	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
trans-Chlordane	0.00028	U	0.0025	0.00028	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Heptachlor	0.00077	U	0.0025	0.00077	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Heptachlor epoxide	0.00062	U	0.0025	0.00062	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Methoxychlor	0.00096	U	0.025	0.00096	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Toxaphene	0.034	U	0.14	0.034	mg/Kg	*	03/07/18 13:13	03/08/18 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		30 - 150				03/07/18 13:13	03/08/18 15:23	1
Tetrachloro-m-xylene	89		30 - 150				03/07/18 13:13	03/08/18 15:23	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 44 (0.0-0.5)

Lab Sample ID: 660-85937-7

Date Collected: 03/02/18 11:20

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.9

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00052	U	0.0018	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
alpha-BHC	0.00043	U	0.0018	0.00043	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
cis-Chlordane	0.00060	U	0.0018	0.00060	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
beta-BHC	0.00055	U	0.0018	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Chlordane (technical)	0.0064	U	0.026	0.0064	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
4,4'-DDD	0.00059	I	0.0021	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
4,4'-DDE	0.0028		0.0018	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
4,4'-DDT	0.0022		0.0018	0.00040	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
delta-BHC	0.00038	U	0.0018	0.00038	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Dieldrin	0.00022	U	0.0018	0.00022	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Endosulfan I	0.00046	U	0.0018	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Endosulfan II	0.00019	U	0.0018	0.00019	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Endosulfan sulfate	0.00034	U	0.0018	0.00034	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Endrin	0.00039	U	0.0018	0.00039	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Endrin aldehyde	0.00027	U	0.0018	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Endrin ketone	0.00026	U	0.0018	0.00026	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
gamma-BHC (Lindane)	0.00042	U	0.0018	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
trans-Chlordane	0.00020	U	0.0018	0.00020	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Heptachlor	0.00055	U	0.0018	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Heptachlor epoxide	0.00045	U	0.0018	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Methoxychlor	0.00069	U	0.018	0.00069	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1
Toxaphene	0.025	U	0.10	0.025	mg/Kg	*	03/07/18 13:13	03/08/18 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		30 - 150	03/07/18 13:13	03/08/18 15:37	1
Tetrachloro-m-xylene	74		30 - 150	03/07/18 13:13	03/08/18 15:37	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 44 (0.5-2.0)

Lab Sample ID: 660-85937-8

Date Collected: 03/02/18 11:25

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 91.1

Method: 8081B - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00055	U	0.0019	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
alpha-BHC	0.00046	U	0.0019	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
cis-Chlordane	0.00064	U	0.0019	0.00064	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
beta-BHC	0.00059	U	0.0019	0.00059	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Chlordane (technical)	0.0068	U	0.028	0.0068	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
4,4'-DDD	0.00048	I	0.0022	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
4,4'-DDE	0.0051		0.0019	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
4,4'-DDT	0.0018	I	0.0019	0.00043	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
delta-BHC	0.00040	U	0.0019	0.00040	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Dieldrin	0.00046	I	0.0019	0.00023	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Endosulfan I	0.00049	U	0.0019	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Endosulfan II	0.00021	U	0.0019	0.00021	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Endosulfan sulfate	0.00036	U	0.0019	0.00036	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Endrin	0.00042	U	0.0019	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Endrin aldehyde	0.00029	U	0.0019	0.00029	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Endrin ketone	0.00027	U	0.0019	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
gamma-BHC (Lindane)	0.00044	U	0.0019	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
trans-Chlordane	0.00022	U	0.0019	0.00022	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Heptachlor	0.00059	U	0.0019	0.00059	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Heptachlor epoxide	0.00047	U	0.0019	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Methoxychlor	0.00073	U	0.019	0.00073	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Toxaphene	0.026	U	0.11	0.026	mg/Kg	*	03/07/18 13:13	03/08/18 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		30 - 150				03/07/18 13:13	03/08/18 15:52	1
Tetrachloro-m-xylene	54		30 - 150				03/07/18 13:13	03/08/18 15:52	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 45 (0.0-0.5)

Lab Sample ID: 660-85937-9

Date Collected: 03/02/18 12:00

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 93.1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00053	U	0.0018	0.00053	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
alpha-BHC	0.00044	U	0.0018	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
cis-Chlordane	0.00062	U	0.0018	0.00062	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
beta-BHC	0.00057	U	0.0018	0.00057	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Chlordane (technical)	0.0066	U	0.027	0.0066	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
4,4'-DDD	0.0011	I	0.0022	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
4,4'-DDE	0.0046	U	0.0018	0.00051	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
4,4'-DDT	0.0035	U	0.0018	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
delta-BHC	0.00039	U	0.0018	0.00039	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Dieldrin	0.00026	I	0.0018	0.00022	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Endosulfan I	0.00048	U	0.0018	0.00048	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Endosulfan II	0.00035	I	0.0018	0.00020	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Endosulfan sulfate	0.00035	U	0.0018	0.00035	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Endrin	0.00041	U	0.0018	0.00041	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Endrin aldehyde	0.00028	U	0.0018	0.00028	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Endrin ketone	0.00026	U	0.0018	0.00026	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
gamma-BHC (Lindane)	0.00043	U	0.0018	0.00043	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
trans-Chlordane	0.00021	U	0.0018	0.00021	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Heptachlor	0.00057	U	0.0018	0.00057	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Heptachlor epoxide	0.00046	U	0.0018	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Methoxychlor	0.00071	U	0.018	0.00071	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Toxaphene	0.025	U	0.11	0.025	mg/Kg	*	03/07/18 13:13	03/08/18 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79		30 - 150				03/07/18 13:13	03/08/18 16:06	1
Tetrachloro-m-xylene	62		30 - 150				03/07/18 13:13	03/08/18 16:06	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 45 (0.5-2.0)

Lab Sample ID: 660-85937-10

Date Collected: 03/02/18 12:05

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 70.6

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00071	U	0.0024	0.00071	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
alpha-BHC	0.00059	U	0.0024	0.00059	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
cis-Chlordane	0.00082	U	0.0024	0.00082	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
beta-BHC	0.00076	U	0.0024	0.00076	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Chlordane (technical)	0.0087	U	0.036	0.0087	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
4,4'-DDD	0.0022	I	0.0028	0.00061	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
4,4'-DDE	0.0095		0.0024	0.00067	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
4,4'-DDT	0.00055	U	0.0024	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
delta-BHC	0.00052	U	0.0024	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Dieldrin	0.00030	U	0.0024	0.00030	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Endosulfan I	0.00063	U	0.0024	0.00063	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Endosulfan II	0.00027	U	0.0024	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Endosulfan sulfate	0.00046	U	0.0024	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Endrin	0.00054	U	0.0024	0.00054	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Endrin aldehyde	0.00037	U	0.0024	0.00037	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Endrin ketone	0.00035	U	0.0024	0.00035	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
gamma-BHC (Lindane)	0.00057	U	0.0024	0.00057	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
trans-Chlordane	0.00028	U	0.0024	0.00028	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Heptachlor	0.00076	U	0.0024	0.00076	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Heptachlor epoxide	0.00061	U	0.0024	0.00061	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Methoxychlor	0.00094	U	0.024	0.00094	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Toxaphene	0.034	U	0.14	0.034	mg/Kg	*	03/07/18 13:13	03/08/18 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39		30 - 150				03/07/18 13:13	03/08/18 16:20	1
Tetrachloro-m-xylene	84		30 - 150				03/07/18 13:13	03/08/18 16:20	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 46 (0.5-2.0)

Lab Sample ID: 660-85937-11

Date Collected: 03/02/18 14:00

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 83.8

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00060	U	0.0020	0.00060	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
alpha-BHC	0.00049	U	0.0020	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
cis-Chlordane	0.00069	U	0.0020	0.00069	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
beta-BHC	0.00064	U	0.0020	0.00064	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Chlordane (technical)	0.0073	U	0.030	0.0073	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
4,4'-DDD	0.00086	I	0.0024	0.00051	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
4,4'-DDE	0.0048		0.0020	0.00056	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
4,4'-DDT	0.00047	U	0.0020	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
delta-BHC	0.00044	U	0.0020	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Dieldrin	0.00025	U	0.0020	0.00025	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Endosulfan I	0.00053	U	0.0020	0.00053	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Endosulfan II	0.00022	U	0.0020	0.00022	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Endosulfan sulfate	0.00039	U	0.0020	0.00039	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Endrin	0.00045	U	0.0020	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Endrin aldehyde	0.00032	U	0.0020	0.00032	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Endrin ketone	0.00029	U	0.0020	0.00029	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
gamma-BHC (Lindane)	0.00048	U	0.0020	0.00048	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
trans-Chlordane	0.00023	U	0.0020	0.00023	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Heptachlor	0.00064	U	0.0020	0.00064	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Heptachlor epoxide	0.00052	U	0.0020	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Methoxychlor	0.00079	U	0.020	0.00079	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Toxaphene	0.028	U	0.12	0.028	mg/Kg	*	03/07/18 13:13	03/08/18 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		30 - 150				03/07/18 13:13	03/08/18 16:34	1
Tetrachloro-m-xylene	47		30 - 150				03/07/18 13:13	03/08/18 16:34	1

TestAmerica Tampa

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 50 (0.0-0.5)

Lab Sample ID: 660-85937-12

Date Collected: 03/02/18 14:10

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 91.8

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00054	U	0.0019	0.00054	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
alpha-BHC	0.00045	U	0.0019	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
cis-Chlordane	0.00063	U	0.0019	0.00063	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
beta-BHC	0.00058	U	0.0019	0.00058	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Chlordane (technical)	0.0067	U	0.027	0.0067	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
4,4'-DDD	0.010		0.0022	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
4,4'-DDT	0.055		0.0019	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
delta-BHC	0.00040	U	0.0019	0.00040	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Dieldrin	0.00023	U	0.0019	0.00023	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Endosulfan I	0.00048	U	0.0019	0.00048	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Endosulfan II	0.00020	U	0.0019	0.00020	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Endosulfan sulfate	0.00035	U	0.0019	0.00035	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Endrin	0.00041	U	0.0019	0.00041	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Endrin aldehyde	0.00029	U	0.0019	0.00029	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Endrin ketone	0.00027	U	0.0019	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
gamma-BHC (Lindane)	0.00044	U	0.0019	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
trans-Chlordane	0.00021	U	0.0019	0.00021	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Heptachlor	0.00058	U	0.0019	0.00058	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Heptachlor epoxide	0.00047	U	0.0019	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Methoxychlor	0.00072	U	0.019	0.00072	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1
Toxaphene	0.026	U	0.11	0.026	mg/Kg	*	03/07/18 13:13	03/08/18 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	113		30 - 150	03/07/18 13:13	03/08/18 16:48	1
Tetrachloro-m-xylene	76		30 - 150	03/07/18 13:13	03/08/18 16:48	1

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.082		0.0093	0.0026	mg/Kg	*	03/07/18 13:13	03/12/18 17:10	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	114		30 - 150	03/07/18 13:13	03/12/18 17:10	5
Tetrachloro-m-xylene	68		30 - 150	03/07/18 13:13	03/12/18 17:10	5

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 51 (0.0-0.5)

Lab Sample ID: 660-85937-13

Date Collected: 03/02/18 14:30

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.8

Method: 8081B - Organochlorine Pesticides (GC)									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00051	U	0.0018	0.00051	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
alpha-BHC	0.00043	U	0.0018	0.00043	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
cis-Chlordane	0.00059	U	0.0018	0.00059	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
beta-BHC	0.00055	U	0.0018	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Chlordane (technical)	0.0063	U	0.026	0.0063	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
delta-BHC	0.00038	U	0.0018	0.00038	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Dieldrin	0.00021	U	0.0018	0.00021	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Endosulfan I	0.00046	U	0.0018	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Endosulfan II	0.00019	U	0.0018	0.00019	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Endosulfan sulfate	0.00033	U	0.0018	0.00033	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Endrin	0.00039	U	0.0018	0.00039	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Endrin aldehyde	0.00027	U	0.0018	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Endrin ketone	0.00025	U	0.0018	0.00025	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
gamma-BHC (Lindane)	0.00088	I	0.0018	0.00041	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
trans-Chlordane	0.0086		0.0018	0.00020	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Heptachlor	0.00055	U	0.0018	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Heptachlor epoxide	0.00044	U	0.0018	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Methoxychlor	0.00068	U	0.018	0.00068	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Toxaphene	0.024	U	0.10	0.024	mg/Kg	*	03/07/18 13:13	03/08/18 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		30 - 150				03/07/18 13:13	03/08/18 17:03	1
Tetrachloro-m-xylene	67		30 - 150				03/07/18 13:13	03/08/18 17:03	1

Method: 8081B - Organochlorine Pesticides (GC) - DL									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.27		0.083	0.018	mg/Kg	*	03/07/18 13:13	03/12/18 17:24	40
4,4'-DDE	0.24		0.070	0.019	mg/Kg	*	03/07/18 13:13	03/12/18 17:24	40
4,4'-DDT	0.79		0.070	0.016	mg/Kg	*	03/07/18 13:13	03/12/18 17:24	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	J1	30 - 150				03/07/18 13:13	03/12/18 17:24	40
Tetrachloro-m-xylene	0	J1	30 - 150				03/07/18 13:13	03/12/18 17:24	40

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 51 (0.5-2.0)

Lab Sample ID: 660-85937-14

Date Collected: 03/02/18 14:35

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 77.2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00065	U	0.0022	0.00065	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
alpha-BHC	0.00054	U	0.0022	0.00054	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
cis-Chlordane	0.00075	U	0.0022	0.00075	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
beta-BHC	0.00069	U	0.0022	0.00069	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Chlordane (technical)	0.0080	U	0.033	0.0080	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
4,4'-DDD	0.0052		0.0026	0.00056	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
4,4'-DDE	0.020		0.0022	0.00061	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
4,4'-DDT	0.014		0.0022	0.00051	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
delta-BHC	0.00048	U	0.0022	0.00048	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Dieldrin	0.00027	U	0.0022	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Endosulfan I	0.00058	U	0.0022	0.00058	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Endosulfan II	0.00024	U	0.0022	0.00024	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Endosulfan sulfate	0.00042	U	0.0022	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Endrin	0.00049	U	0.0022	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Endrin aldehyde	0.00034	U	0.0022	0.00034	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Endrin ketone	0.00032	U	0.0022	0.00032	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
gamma-BHC (Lindane)	0.00052	U	0.0022	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
trans-Chlordane	0.00025	U	0.0022	0.00025	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Heptachlor	0.00069	U	0.0022	0.00069	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Heptachlor epoxide	0.00056	U	0.0022	0.00056	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Methoxychlor	0.00086	U	0.022	0.00086	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Toxaphene	0.031	U	0.13	0.031	mg/Kg	*	03/07/18 13:13	03/08/18 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		30 - 150				03/07/18 13:13	03/08/18 17:17	1
Tetrachloro-m-xylene	55		30 - 150				03/07/18 13:13	03/08/18 17:17	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 52 (0.0-0.5)

Lab Sample ID: 660-85937-15

Date Collected: 03/02/18 14:50

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00052	U	0.0018	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
alpha-BHC	0.00043	U	0.0018	0.00043	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
cis-Chlordane	0.00060	U	0.0018	0.00060	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
beta-BHC	0.00055	U	0.0018	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Chlordane (technical)	0.0064	U	0.026	0.0064	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
4,4'-DDD	0.00044	U	0.0021	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
4,4'-DDE	0.00052	I	0.0018	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
4,4'-DDT	0.00040	U	0.0018	0.00040	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
delta-BHC	0.00038	U	0.0018	0.00038	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Dieldrin	0.00022	U	0.0018	0.00022	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Endosulfan I	0.00046	U	0.0018	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Endosulfan II	0.00019	U	0.0018	0.00019	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Endosulfan sulfate	0.00034	U	0.0018	0.00034	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Endrin	0.00039	U	0.0018	0.00039	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Endrin aldehyde	0.00027	U	0.0018	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Endrin ketone	0.00026	U	0.0018	0.00026	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
gamma-BHC (Lindane)	0.00042	U	0.0018	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
trans-Chlordane	0.00020	U	0.0018	0.00020	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Heptachlor	0.00055	U	0.0018	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Heptachlor epoxide	0.00045	U	0.0018	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Methoxychlor	0.00069	U	0.018	0.00069	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Toxaphene	0.025	U	0.10	0.025	mg/Kg	*	03/07/18 13:13	03/08/18 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		30 - 150				03/07/18 13:13	03/08/18 17:31	1
Tetrachloro-m-xylene	81		30 - 150				03/07/18 13:13	03/08/18 17:31	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 52 (0.5-2.0)

Lab Sample ID: 660-85937-16

Date Collected: 03/02/18 14:55

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 76.1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00065	U	0.0022	0.00065	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
alpha-BHC	0.00054	U	0.0022	0.00054	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
cis-Chlordane	0.00076	U	0.0022	0.00076	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
beta-BHC	0.00070	U	0.0022	0.00070	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Chlordane (technical)	0.0081	U	0.033	0.0081	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
4,4'-DDD	0.00056	U	0.0026	0.00056	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
4,4'-DDE	0.00062	U	0.0022	0.00062	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
4,4'-DDT	0.00051	U	0.0022	0.00051	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
delta-BHC	0.00048	U	0.0022	0.00048	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Dieldrin	0.00027	U	0.0022	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Endosulfan I	0.00059	U	0.0022	0.00059	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Endosulfan II	0.00025	U	0.0022	0.00025	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Endosulfan sulfate	0.00043	U	0.0022	0.00043	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Endrin	0.00050	U	0.0022	0.00050	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Endrin aldehyde	0.00035	U	0.0022	0.00035	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Endrin ketone	0.00032	U	0.0022	0.00032	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
gamma-BHC (Lindane)	0.00053	U	0.0022	0.00053	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
trans-Chlordane	0.00026	U	0.0022	0.00026	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Heptachlor	0.00070	U	0.0022	0.00070	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Heptachlor epoxide	0.00057	U	0.0022	0.00057	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Methoxychlor	0.00087	U	0.022	0.00087	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Toxaphene	0.031	U	0.13	0.031	mg/Kg	*	03/07/18 13:13	03/08/18 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		30 - 150				03/07/18 13:13	03/08/18 17:45	1
Tetrachloro-m-xylene	54		30 - 150				03/07/18 13:13	03/08/18 17:45	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 53 (0.0-0.5)

Lab Sample ID: 660-85937-17

Date Collected: 03/02/18 15:00

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 91.4

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00055	U	0.0019	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
alpha-BHC	0.00045	U	0.0019	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
cis-Chlordane	0.00063	U	0.0019	0.00063	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
beta-BHC	0.00058	U	0.0019	0.00058	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Chlordane (technical)	0.0067	U	0.027	0.0067	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
4,4'-DDD	0.00047	U	0.0022	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
4,4'-DDT	0.00043	U	0.0019	0.00043	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
delta-BHC	0.00090	I	0.0019	0.00040	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Dieldrin	0.00023	U	0.0019	0.00023	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Endosulfan I	0.00049	U	0.0019	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Endosulfan II	0.00021	U	0.0019	0.00021	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Endosulfan sulfate	0.00036	U	0.0019	0.00036	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Endrin	0.00041	U	0.0019	0.00041	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Endrin aldehyde	0.00029	U	0.0019	0.00029	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Endrin ketone	0.00027	U	0.0019	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
gamma-BHC (Lindane)	0.00044	U	0.0019	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
trans-Chlordane	0.00021	U	0.0019	0.00021	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Heptachlor	0.00058	U	0.0019	0.00058	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Heptachlor epoxide	0.00047	U	0.0019	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Methoxychlor	0.00073	U	0.019	0.00073	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1
Toxaphene	0.026	U	0.11	0.026	mg/Kg	*	03/07/18 13:13	03/08/18 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		30 - 150	03/07/18 13:13	03/08/18 17:59	1
Tetrachloro-m-xylene	145		30 - 150	03/07/18 13:13	03/08/18 17:59	1

Method: 8081B - Organochlorine Pesticides (GC) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.11		0.0093	0.0026	mg/Kg	*	03/07/18 13:13	03/12/18 17:38	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		30 - 150	03/07/18 13:13	03/12/18 17:38	5
Tetrachloro-m-xylene	89		30 - 150	03/07/18 13:13	03/12/18 17:38	5

Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 53 (0.5-2.0)

Lab Sample ID: 660-85937-18

Date Collected: 03/02/18 15:15

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 81.4

Method: 8081B - Organochlorine Pesticides (GC)										
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Aldrin	0.00061	U	0.0021	0.00061	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
alpha-BHC	0.00051	U	0.0021	0.00051	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
cis-Chlordane	0.00071	U	0.0021	0.00071	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
beta-BHC	0.00066	U	0.0021	0.00066	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Chlordane (technical)	0.0075	U	0.031	0.0075	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
4,4'-DDD	0.00053	U	0.0025	0.00053	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
4,4'-DDE	0.00076	I	0.0021	0.00058	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
4,4'-DDT	0.00048	U	0.0021	0.00048	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
delta-BHC	0.00045	U	0.0021	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Dieldrin	0.00026	U	0.0021	0.00026	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Endosulfan I	0.00055	U	0.0021	0.00055	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Endosulfan II	0.00023	U	0.0021	0.00023	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Endosulfan sulfate	0.00040	U	0.0021	0.00040	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Endrin	0.00046	U	0.0021	0.00046	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Endrin aldehyde	0.00032	U	0.0021	0.00032	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Endrin ketone	0.00030	U	0.0021	0.00030	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
gamma-BHC (Lindane)	0.00049	U	0.0021	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
trans-Chlordane	0.00024	U	0.0021	0.00024	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Heptachlor	0.00066	U	0.0021	0.00066	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Heptachlor epoxide	0.00053	U	0.0021	0.00053	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Methoxychlor	0.00082	U	0.021	0.00082	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Toxaphene	0.029	U	0.12	0.029	mg/Kg	*	03/07/18 13:13	03/08/18 18:14	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
DCB Decachlorobiphenyl	60		30 - 150			03/07/18 13:13	03/08/18 18:14	1		
Tetrachloro-m-xylene	110		30 - 150			03/07/18 13:13	03/08/18 18:14	1		

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 54 (0.0-0.5)

Lab Sample ID: 660-85937-19

Date Collected: 03/02/18 15:30

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 95.2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00052	U	0.0018	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
alpha-BHC	0.00044	U	0.0018	0.00044	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
cis-Chlordane	0.00061	U	0.0018	0.00061	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
beta-BHC	0.00056	U	0.0018	0.00056	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Chlordane (technical)	0.0065	U	0.026	0.0065	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
4,4'-DDD	0.0071		0.0021	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
4,4'-DDE	0.054		0.0018	0.00050	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
4,4'-DDT	0.0049		0.0018	0.00041	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
delta-BHC	0.00039	U	0.0018	0.00039	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Dieldrin	0.00022	U	0.0018	0.00022	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Endosulfan I	0.00047	U	0.0018	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Endosulfan II	0.00020	U	0.0018	0.00020	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Endosulfan sulfate	0.00034	U	0.0018	0.00034	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Endrin	0.00040	U	0.0018	0.00040	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Endrin aldehyde	0.00028	U	0.0018	0.00028	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Endrin ketone	0.00026	U	0.0018	0.00026	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
gamma-BHC (Lindane)	0.00042	U	0.0018	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
trans-Chlordane	0.00021	U	0.0018	0.00021	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Heptachlor	0.00056	U	0.0018	0.00056	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Heptachlor epoxide	0.00045	U	0.0018	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Methoxychlor	0.00070	U	0.018	0.00070	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Toxaphene	0.025	U	0.11	0.025	mg/Kg	*	03/07/18 13:13	03/08/18 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		30 - 150				03/07/18 13:13	03/08/18 18:28	1
Tetrachloro-m-xylene	84		30 - 150				03/07/18 13:13	03/08/18 18:28	1

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Client Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 54 (0.5-2.0)

Lab Sample ID: 660-85937-20

Date Collected: 03/02/18 15:35

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.3

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00052	U	0.0018	0.00052	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
alpha-BHC	0.00043	U	0.0018	0.00043	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
cis-Chlordane	0.00060	U	0.0018	0.00060	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
beta-BHC	0.00056	U	0.0018	0.00056	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Chlordane (technical)	0.0064	U	0.026	0.0064	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
4,4'-DDD	0.00073	I	0.0021	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
4,4'-DDE	0.0032		0.0018	0.00049	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
4,4'-DDT	0.00095	I	0.0018	0.00041	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
delta-BHC	0.00038	U	0.0018	0.00038	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Dieldrin	0.00022	U	0.0018	0.00022	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Endosulfan I	0.00047	U	0.0018	0.00047	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Endosulfan II	0.00020	U	0.0018	0.00020	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Endosulfan sulfate	0.00034	U	0.0018	0.00034	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Endrin	0.00039	U	0.0018	0.00039	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Endrin aldehyde	0.00027	U	0.0018	0.00027	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Endrin ketone	0.00026	U	0.0018	0.00026	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
gamma-BHC (Lindane)	0.00042	U	0.0018	0.00042	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
trans-Chlordane	0.00020	U	0.0018	0.00020	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Heptachlor	0.00056	U	0.0018	0.00056	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Heptachlor epoxide	0.00045	U	0.0018	0.00045	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Methoxychlor	0.00069	U	0.018	0.00069	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Toxaphene	0.025	U	0.10	0.025	mg/Kg	*	03/07/18 13:13	03/08/18 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81		30 - 150				03/07/18 13:13	03/08/18 18:42	1
Tetrachloro-m-xylene	83		30 - 150				03/07/18 13:13	03/08/18 18:42	1

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 660-193633/1-A
 Matrix: Solid
 Analysis Batch: 193672

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 193633

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	0.00050	U	0.0017	0.00050	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
alpha-BHC	0.00041	U	0.0017	0.00041	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
cis-Chlordane	0.00058	U	0.0017	0.00058	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
beta-BHC	0.00053	U	0.0017	0.00053	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Chlordane (technical)	0.0061	U	0.025	0.0061	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
4,4'-DDD	0.00043	U	0.0020	0.00043	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
4,4'-DDE	0.00047	U	0.0017	0.00047	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
4,4'-DDT	0.00039	U	0.0017	0.00039	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
delta-BHC	0.00037	U	0.0017	0.00037	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Dieldrin	0.00021	U	0.0017	0.00021	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Endosulfan I	0.00045	U	0.0017	0.00045	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Endosulfan II	0.00019	U	0.0017	0.00019	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Endosulfan sulfate	0.00033	U	0.0017	0.00033	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Endrin	0.00038	U	0.0017	0.00038	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Endrin aldehyde	0.00026	U	0.0017	0.00026	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Endrin ketone	0.00025	U	0.0017	0.00025	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
gamma-BHC (Lindane)	0.00040	U	0.0017	0.00040	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
trans-Chlordane	0.00020	U	0.0017	0.00020	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Heptachlor	0.00053	U	0.0017	0.00053	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Heptachlor epoxide	0.00043	U	0.0017	0.00043	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Methoxychlor	0.00067	U	0.017	0.00067	mg/Kg		03/07/18 13:13	03/08/18 12:33	1
Toxaphene	0.024	U	0.10	0.024	mg/Kg		03/07/18 13:13	03/08/18 12:33	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	105		30 - 150	03/07/18 13:13	03/08/18 12:33	1
Tetrachloro-m-xylene	85		30 - 150	03/07/18 13:13	03/08/18 12:33	1

Lab Sample ID: LCS 660-193633/2-A
 Matrix: Solid
 Analysis Batch: 193672

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 193633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
alpha-BHC	0.0134	0.0113		mg/Kg		84	35 - 130
cis-Chlordane	0.0134	0.0116		mg/Kg		86	40 - 128
beta-BHC	0.0134	0.0118		mg/Kg		88	42 - 130
4,4'-DDD	0.0134	0.0124		mg/Kg		92	36 - 139
4,4'-DDE	0.0134	0.0113		mg/Kg		84	37 - 132
4,4'-DDT	0.0134	0.0144		mg/Kg		107	45 - 150
delta-BHC	0.0134	0.0112		mg/Kg		83	38 - 130
Dieldrin	0.0134	0.0125		mg/Kg		93	38 - 134
Endosulfan I	0.0134	0.0124		mg/Kg		93	40 - 130
Endosulfan II	0.0134	0.0127		mg/Kg		95	37 - 129
Endosulfan sulfate	0.0134	0.0135		mg/Kg		100	45 - 135
Endrin	0.0134	0.0101		mg/Kg		76	36 - 137
Endrin aldehyde	0.0134	0.0135		mg/Kg		101	37 - 114
Endrin ketone	0.0134	0.0150		mg/Kg		112	39 - 137
gamma-BHC (Lindane)	0.0134	0.0115		mg/Kg		86	38 - 130

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 660-193633/2-A
 Matrix: Solid
 Analysis Batch: 193672

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 193633
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
trans-Chlordane	0.0134	0.0117		mg/Kg		87	39 - 130
Heptachlor	0.0134	0.0112		mg/Kg		84	41 - 150
Heptachlor epoxide	0.0134	0.0113		mg/Kg		84	39 - 130
Methoxychlor	0.0134	0.0143	I	mg/Kg		107	34 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	107		30 - 150
Tetrachloro-m-xylene	89		30 - 150

Lab Sample ID: LCS 660-193633/3-A
 Matrix: Solid
 Analysis Batch: 193672

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 193633
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chlordane (technical)	0.166	0.153		mg/Kg		92	34 - 150
Toxaphene	0.832	0.707		mg/Kg		85	35 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	98		30 - 150
Tetrachloro-m-xylene	82		30 - 150

Lab Sample ID: 660-85937-1 MS
 Matrix: Solid
 Analysis Batch: 193672

Client Sample ID: PLN 41 (0.0-0.5)
 Prep Type: Total/NA
 Prep Batch: 193633
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Aldrin	0.00051	U	0.0138	0.00963		mg/Kg	*	70	39 - 130
alpha-BHC	0.00043	U	0.0138	0.0102		mg/Kg	*	74	35 - 130
cis-Chlordane	0.00060	U	0.0138	0.00948		mg/Kg	*	68	40 - 128
beta-BHC	0.00055	U	0.0138	0.0111		mg/Kg	*	80	42 - 130
4,4'-DDD	0.00044	U	0.0138	0.0102		mg/Kg	*	74	36 - 139
4,4'-DDE	0.0013	I	0.0138	0.0108		mg/Kg	*	69	37 - 132
4,4'-DDT	0.0022		0.0138	0.0142		mg/Kg	*	87	45 - 150
delta-BHC	0.00038	U	0.0138	0.0103		mg/Kg	*	74	38 - 130
Dieldrin	0.00022	U	0.0138	0.00985		mg/Kg	*	71	38 - 134
Endosulfan I	0.00046	U	0.0138	0.00954		mg/Kg	*	69	40 - 130
Endosulfan II	0.00019	U	0.0138	0.0104		mg/Kg	*	75	37 - 129
Endosulfan sulfate	0.00034	U	0.0138	0.0108		mg/Kg	*	78	45 - 135
Endrin	0.00039	U	0.0138	0.00963		mg/Kg	*	70	36 - 137
Endrin aldehyde	0.00027	U	0.0138	0.00952		mg/Kg	*	69	37 - 114
Endrin ketone	0.00025	U	0.0138	0.0124		mg/Kg	*	90	39 - 137
gamma-BHC (Lindane)	0.00042	U	0.0138	0.0102		mg/Kg	*	74	38 - 130
trans-Chlordane	0.00020	U	0.0138	0.00944		mg/Kg	*	68	39 - 130
Heptachlor	0.00055	U	0.0138	0.0103		mg/Kg	*	75	41 - 150
Heptachlor epoxide	0.00045	U	0.0138	0.00972		mg/Kg	*	70	39 - 130
Methoxychlor	0.00069	U	0.0138	0.0149	I	mg/Kg	*	107	34 - 150

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 660-85937-1 MS
Matrix: Solid
Analysis Batch: 193672

Client Sample ID: PLN 41 (0.0-0.5)
Prep Type: Total/NA
Prep Batch: 193633

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	80		30 - 150
Tetrachloro-m-xylene	73		30 - 150

Lab Sample ID: 660-85937-1 MS
Matrix: Solid
Analysis Batch: 193672

Client Sample ID: PLN 41 (0.0-0.5)
Prep Type: Total/NA
Prep Batch: 193633

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Chlordane (technical)	0.0063	U	0.173	0.170		mg/Kg	☼	98	34 - 150
Toxaphene	0.025	U	0.866	0.695		mg/Kg	☼	80	35 - 150

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	83		30 - 150
Tetrachloro-m-xylene	79		30 - 150

Lab Sample ID: 660-85937-1 MSD
Matrix: Solid
Analysis Batch: 193672

Client Sample ID: PLN 41 (0.0-0.5)
Prep Type: Total/NA
Prep Batch: 193633

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	Limits	RPD	
	Result	Qualifier		Result	Qualifier					RPD	Limit
Aldrin	0.00051	U	0.0139	0.0100		mg/Kg	☼	72	39 - 130	4	40
alpha-BHC	0.00043	U	0.0139	0.0106		mg/Kg	☼	77	35 - 130	4	40
cis-Chlordane	0.00060	U	0.0139	0.00955		mg/Kg	☼	69	40 - 128	1	40
beta-BHC	0.00055	U	0.0139	0.0118		mg/Kg	☼	85	42 - 130	6	40
4,4'-DDD	0.00044	U	0.0139	0.0102		mg/Kg	☼	73	36 - 139	0	40
4,4'-DDE	0.0013	I	0.0139	0.0109		mg/Kg	☼	69	37 - 132	1	40
4,4'-DDT	0.0022		0.0139	0.0138		mg/Kg	☼	84	45 - 150	3	40
delta-BHC	0.00038	U	0.0139	0.0108		mg/Kg	☼	78	38 - 130	4	40
Dieldrin	0.00022	U	0.0139	0.00998		mg/Kg	☼	72	38 - 134	1	40
Endosulfan I	0.00046	U	0.0139	0.00963		mg/Kg	☼	69	40 - 130	1	40
Endosulfan II	0.00019	U	0.0139	0.0104		mg/Kg	☼	75	37 - 129	1	40
Endosulfan sulfate	0.00034	U	0.0139	0.0118		mg/Kg	☼	85	45 - 135	9	40
Endrin	0.00039	U	0.0139	0.00949		mg/Kg	☼	68	36 - 137	1	40
Endrin aldehyde	0.00027	U	0.0139	0.00954		mg/Kg	☼	69	37 - 114	0	40
Endrin ketone	0.00025	U	0.0139	0.0123		mg/Kg	☼	88	39 - 137	1	40
gamma-BHC (Lindane)	0.00042	U	0.0139	0.0106		mg/Kg	☼	76	38 - 130	4	40
trans-Chlordane	0.00020	U	0.0139	0.00946		mg/Kg	☼	68	39 - 130	0	40
Heptachlor	0.00055	U	0.0139	0.0106		mg/Kg	☼	76	41 - 150	2	40
Heptachlor epoxide	0.00045	U	0.0139	0.00969		mg/Kg	☼	70	39 - 130	0	40
Methoxychlor	0.00069	U	0.0139	0.0148	I	mg/Kg	☼	107	34 - 150	1	40

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	78		30 - 150
Tetrachloro-m-xylene	76		30 - 150

TestAmerica Tampa

QC Sample Results

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 660-85937-1 MSD				Client Sample ID: PLN 41 (0.0-0.5)							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 193672				Prep Batch: 193633							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlordane (technical)	0.0063	U	0.173	0.155		mg/Kg	*	89	34 - 150	9	40
Toxaphene	0.025	U	0.867	0.651		mg/Kg	*	75	35 - 150	6	40
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
DCB Decachlorobiphenyl		74		30 - 150							
Tetrachloro-m-xylene		80		30 - 150							

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QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

GC Semi VOA

Prep Batch: 193633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-85937-1	PLN 41 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-2	PLN 41 (0.5-5.0)	Total/NA	Solid	3546	
660-85937-3	PLN 42 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-4	PLN 42 (0.5-2.0)	Total/NA	Solid	3546	
660-85937-5	PLN 43 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-6	PLN 43 (0.5-2.0)	Total/NA	Solid	3546	
660-85937-7	PLN 44 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-8	PLN 44 (0.5-2.0)	Total/NA	Solid	3546	
660-85937-9	PLN 45 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-10	PLN 45 (0.5-2.0)	Total/NA	Solid	3546	
660-85937-11	PLN 46 (0.5-2.0)	Total/NA	Solid	3546	
660-85937-12	PLN 50 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-12 - DL	PLN 50 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-13 - DL	PLN 51 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-13	PLN 51 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-14	PLN 51 (0.5-2.0)	Total/NA	Solid	3546	
660-85937-15	PLN 52 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-16	PLN 52 (0.5-2.0)	Total/NA	Solid	3546	
660-85937-17	PLN 53 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-17 - DL	PLN 53 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-18	PLN 53 (0.5-2.0)	Total/NA	Solid	3546	
660-85937-19	PLN 54 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-20	PLN 54 (0.5-2.0)	Total/NA	Solid	3546	
MB 660-193633/1-A	Method Blank	Total/NA	Solid	3546	
LCS 660-193633/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 660-193633/3-A	Lab Control Sample	Total/NA	Solid	3546	
660-85937-1 MS	PLN 41 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-1 MS	PLN 41 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-1 MSD	PLN 41 (0.0-0.5)	Total/NA	Solid	3546	
660-85937-1 MSD	PLN 41 (0.0-0.5)	Total/NA	Solid	3546	

Analysis Batch: 193672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-85937-1	PLN 41 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-2	PLN 41 (0.5-5.0)	Total/NA	Solid	8081B	193633
660-85937-3	PLN 42 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-4	PLN 42 (0.5-2.0)	Total/NA	Solid	8081B	193633
660-85937-5	PLN 43 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-6	PLN 43 (0.5-2.0)	Total/NA	Solid	8081B	193633
660-85937-7	PLN 44 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-8	PLN 44 (0.5-2.0)	Total/NA	Solid	8081B	193633
660-85937-9	PLN 45 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-10	PLN 45 (0.5-2.0)	Total/NA	Solid	8081B	193633
660-85937-11	PLN 46 (0.5-2.0)	Total/NA	Solid	8081B	193633
660-85937-12	PLN 50 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-13	PLN 51 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-14	PLN 51 (0.5-2.0)	Total/NA	Solid	8081B	193633
660-85937-15	PLN 52 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-16	PLN 52 (0.5-2.0)	Total/NA	Solid	8081B	193633
660-85937-17	PLN 53 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-18	PLN 53 (0.5-2.0)	Total/NA	Solid	8081B	193633

TestAmerica Tampa

QC Association Summary

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

GC Semi VOA (Continued)

Analysis Batch: 193672 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-85937-19	PLN 54 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-20	PLN 54 (0.5-2.0)	Total/NA	Solid	8081B	193633
MB 660-193633/1-A	Method Blank	Total/NA	Solid	8081B	193633
LCS 660-193633/2-A	Lab Control Sample	Total/NA	Solid	8081B	193633
LCS 660-193633/3-A	Lab Control Sample	Total/NA	Solid	8081B	193633
660-85937-1 MS	PLN 41 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-1 MS	PLN 41 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-1 MSD	PLN 41 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-1 MSD	PLN 41 (0.0-0.5)	Total/NA	Solid	8081B	193633

Analysis Batch: 193825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-85937-12 - DL	PLN 50 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-13 - DL	PLN 51 (0.0-0.5)	Total/NA	Solid	8081B	193633
660-85937-17 - DL	PLN 53 (0.0-0.5)	Total/NA	Solid	8081B	193633

General Chemistry

Analysis Batch: 193817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-85937-1	PLN 41 (0.0-0.5)	Total/NA	Solid	Moisture	
660-85937-2	PLN 41 (0.5-5.0)	Total/NA	Solid	Moisture	
660-85937-3	PLN 42 (0.0-0.5)	Total/NA	Solid	Moisture	
660-85937-4	PLN 42 (0.5-2.0)	Total/NA	Solid	Moisture	
660-85937-5	PLN 43 (0.0-0.5)	Total/NA	Solid	Moisture	
660-85921-A-67 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 193832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-85937-6	PLN 43 (0.5-2.0)	Total/NA	Solid	Moisture	
660-85937-7	PLN 44 (0.0-0.5)	Total/NA	Solid	Moisture	
660-85937-8	PLN 44 (0.5-2.0)	Total/NA	Solid	Moisture	
660-85937-9	PLN 45 (0.0-0.5)	Total/NA	Solid	Moisture	
660-85937-10	PLN 45 (0.5-2.0)	Total/NA	Solid	Moisture	
660-85937-11	PLN 46 (0.5-2.0)	Total/NA	Solid	Moisture	
660-85937-12	PLN 50 (0.0-0.5)	Total/NA	Solid	Moisture	
660-85937-13	PLN 51 (0.0-0.5)	Total/NA	Solid	Moisture	
660-85937-14	PLN 51 (0.5-2.0)	Total/NA	Solid	Moisture	
660-85937-15	PLN 52 (0.0-0.5)	Total/NA	Solid	Moisture	
660-85937-16	PLN 52 (0.5-2.0)	Total/NA	Solid	Moisture	
660-85937-17	PLN 53 (0.0-0.5)	Total/NA	Solid	Moisture	
660-85937-18	PLN 53 (0.5-2.0)	Total/NA	Solid	Moisture	
660-85937-19	PLN 54 (0.0-0.5)	Total/NA	Solid	Moisture	
660-85937-20	PLN 54 (0.5-2.0)	Total/NA	Solid	Moisture	
660-85937-6 DU	PLN 43 (0.5-2.0)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 41 (0.0-0.5)

Lab Sample ID: 660-85937-1

Date Collected: 03/02/18 10:40

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193817	03/12/18 06:30	AJG	TAL TAM

Client Sample ID: PLN 41 (0.0-0.5)

Lab Sample ID: 660-85937-1

Date Collected: 03/02/18 10:40

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.96 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 13:16	MDS	TAL TAM

Client Sample ID: PLN 41 (0.5-5.0)

Lab Sample ID: 660-85937-2

Date Collected: 03/02/18 10:45

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193817	03/12/18 06:41	AJG	TAL TAM

Client Sample ID: PLN 41 (0.5-5.0)

Lab Sample ID: 660-85937-2

Date Collected: 03/02/18 10:45

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.90 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 14:27	MDS	TAL TAM

Client Sample ID: PLN 42 (0.0-0.5)

Lab Sample ID: 660-85937-3

Date Collected: 03/02/18 10:55

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193817	03/12/18 06:36	AJG	TAL TAM

Client Sample ID: PLN 42 (0.0-0.5)

Lab Sample ID: 660-85937-3

Date Collected: 03/02/18 10:55

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 14:41	MDS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 42 (0.5-2.0)

Lab Sample ID: 660-85937-4

Date Collected: 03/02/18 11:00

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193817	03/12/18 06:51	AJG	TAL TAM

Client Sample ID: PLN 42 (0.5-2.0)

Lab Sample ID: 660-85937-4

Date Collected: 03/02/18 11:00

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.90 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 14:55	MDS	TAL TAM

Client Sample ID: PLN 43 (0.0-0.5)

Lab Sample ID: 660-85937-5

Date Collected: 03/02/18 11:10

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193817	03/12/18 07:07	AJG	TAL TAM

Client Sample ID: PLN 43 (0.0-0.5)

Lab Sample ID: 660-85937-5

Date Collected: 03/02/18 11:10

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.94 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 15:09	MDS	TAL TAM

Client Sample ID: PLN 43 (0.5-2.0)

Lab Sample ID: 660-85937-6

Date Collected: 03/02/18 11:15

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 07:35	AJG	TAL TAM

Client Sample ID: PLN 43 (0.5-2.0)

Lab Sample ID: 660-85937-6

Date Collected: 03/02/18 11:15

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 69.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.91 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 15:23	MDS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 44 (0.0-0.5)

Lab Sample ID: 660-85937-7

Date Collected: 03/02/18 11:20

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 07:36	AJG	TAL TAM

Client Sample ID: PLN 44 (0.0-0.5)

Lab Sample ID: 660-85937-7

Date Collected: 03/02/18 11:20

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.91 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 15:37	MDS	TAL TAM

Client Sample ID: PLN 44 (0.5-2.0)

Lab Sample ID: 660-85937-8

Date Collected: 03/02/18 11:25

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 07:44	AJG	TAL TAM

Client Sample ID: PLN 44 (0.5-2.0)

Lab Sample ID: 660-85937-8

Date Collected: 03/02/18 11:25

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.92 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 15:52	MDS	TAL TAM

Client Sample ID: PLN 45 (0.0-0.5)

Lab Sample ID: 660-85937-9

Date Collected: 03/02/18 12:00

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 08:00	AJG	TAL TAM

Client Sample ID: PLN 45 (0.0-0.5)

Lab Sample ID: 660-85937-9

Date Collected: 03/02/18 12:00

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.97 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 16:06	MDS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 45 (0.5-2.0)

Lab Sample ID: 660-85937-10

Date Collected: 03/02/18 12:05

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 08:10	AJG	TAL TAM

Client Sample ID: PLN 45 (0.5-2.0)

Lab Sample ID: 660-85937-10

Date Collected: 03/02/18 12:05

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 70.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.94 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 16:20	MDS	TAL TAM

Client Sample ID: PLN 46 (0.5-2.0)

Lab Sample ID: 660-85937-11

Date Collected: 03/02/18 14:00

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 08:13	AJG	TAL TAM

Client Sample ID: PLN 46 (0.5-2.0)

Lab Sample ID: 660-85937-11

Date Collected: 03/02/18 14:00

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.94 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 16:34	MDS	TAL TAM

Client Sample ID: PLN 50 (0.0-0.5)

Lab Sample ID: 660-85937-12

Date Collected: 03/02/18 14:10

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 08:18	AJG	TAL TAM

Client Sample ID: PLN 50 (0.0-0.5)

Lab Sample ID: 660-85937-12

Date Collected: 03/02/18 14:10

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.01 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 16:48	MDS	TAL TAM
Total/NA	Prep	3546	DL		15.01 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B	DL	5			193825	03/12/18 17:10	MDS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 51 (0.0-0.5)

Lab Sample ID: 660-85937-13

Date Collected: 03/02/18 14:30

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 08:19	AJG	TAL TAM

Client Sample ID: PLN 51 (0.0-0.5)

Lab Sample ID: 660-85937-13

Date Collected: 03/02/18 14:30

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 17:03	MDS	TAL TAM
Total/NA	Prep	3546	DL		15.02 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B	DL	40			193825	03/12/18 17:24	MDS	TAL TAM

Client Sample ID: PLN 51 (0.5-2.0)

Lab Sample ID: 660-85937-14

Date Collected: 03/02/18 14:35

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 08:36	AJG	TAL TAM

Client Sample ID: PLN 51 (0.5-2.0)

Lab Sample ID: 660-85937-14

Date Collected: 03/02/18 14:35

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.90 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 17:17	MDS	TAL TAM

Client Sample ID: PLN 52 (0.0-0.5)

Lab Sample ID: 660-85937-15

Date Collected: 03/02/18 14:50

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 08:30	AJG	TAL TAM

Client Sample ID: PLN 52 (0.0-0.5)

Lab Sample ID: 660-85937-15

Date Collected: 03/02/18 14:50

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.93 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 17:31	MDS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 52 (0.5-2.0)

Lab Sample ID: 660-85937-16

Date Collected: 03/02/18 14:55

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 08:54	AJG	TAL TAM

Client Sample ID: PLN 52 (0.5-2.0)

Lab Sample ID: 660-85937-16

Date Collected: 03/02/18 14:55

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.95 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 17:45	MDS	TAL TAM

Client Sample ID: PLN 53 (0.0-0.5)

Lab Sample ID: 660-85937-17

Date Collected: 03/02/18 15:00

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 08:43	AJG	TAL TAM

Client Sample ID: PLN 53 (0.0-0.5)

Lab Sample ID: 660-85937-17

Date Collected: 03/02/18 15:00

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.97 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 17:59	MDS	TAL TAM
Total/NA	Prep	3546	DL		14.97 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B	DL	5			193825	03/12/18 17:38	MDS	TAL TAM

Client Sample ID: PLN 53 (0.5-2.0)

Lab Sample ID: 660-85937-18

Date Collected: 03/02/18 15:15

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 09:01	AJG	TAL TAM

Client Sample ID: PLN 53 (0.5-2.0)

Lab Sample ID: 660-85937-18

Date Collected: 03/02/18 15:15

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.96 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 18:14	MDS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc
 Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Client Sample ID: PLN 54 (0.0-0.5)

Lab Sample ID: 660-85937-19

Date Collected: 03/02/18 15:30

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 07:50	AJG	TAL TAM

Client Sample ID: PLN 54 (0.0-0.5)

Lab Sample ID: 660-85937-19

Date Collected: 03/02/18 15:30

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.92 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 18:28	MDS	TAL TAM

Client Sample ID: PLN 54 (0.5-2.0)

Lab Sample ID: 660-85937-20

Date Collected: 03/02/18 15:35

Matrix: Solid

Date Received: 03/06/18 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			193832	03/12/18 07:49	AJG	TAL TAM

Client Sample ID: PLN 54 (0.5-2.0)

Lab Sample ID: 660-85937-20

Date Collected: 03/02/18 15:35

Matrix: Solid

Date Received: 03/06/18 18:00

Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			14.90 g	10 mL	193633	03/07/18 13:13	EM	TAL TAM
Total/NA	Analysis	8081B		1			193672	03/08/18 18:42	MDS	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	TAL TAM
Moisture	Percent Moisture	EPA	TAL TAM

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc
Project/Site: Southern Crop Services - Delray Beach

TestAmerica Job ID: 660-85937-1

Laboratory: TestAmerica Tampa

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Florida	NELAP	4	E84282	06-30-18
Georgia	State Program	4	905	06-30-18
USDA	Federal		P525-170731-001	09-25-20

Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 660-85937-1

Login Number: 85937

List Source: TestAmerica Tampa

List Number: 1

Creator: Redding, Charles S

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ ($1/4''$).	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

March 2, 2018

Re: Chlordane Nomenclature and CAS Number Change

Dear Client:

There has long been confusion regarding the correct naming conventions and CAS numbers for chlordane, particularly the preferred names and CAS numbers for single component analytes (cis, trans, alpha, beta and gamma chlordane) and mixtures (technical chlordane and chlordane n.o.s). The most recent version of EPA Method 8081 addresses the issue as follows:

11.6.2 Chlordane -- Technical chlordane is a mixture of at least 11 major components and 30 or more minor components that have been used to prepare specific pesticide formulations. The nomenclature of the various forms of chlordane has been the subject of some confusion in both Agency methods and the open literature for some time. The CAS number for technical chlordane is properly given as 12789-03-6. The two most prevalent major components of technical chlordane are cis-chlordane, CAS number 5103-71-9 and trans-chlordane, CAS number 5103-74-2. The structure represented by trans-chlordane has on occasion been mistakenly referred to by the name gamma-chlordane, and a separate CAS number of 5566-34-7 has been assigned by CAS to that designation. For the purposes of the RCRA program, the name gamma-chlordane is not generally used, and when reporting technical chlordane it is important to distinguish the difference between the trans and gamma isomers....

In an effort to eliminate confusion and to be consistent with the certificates provided by our standards vendors, NIST, and the most recent versions of EPA Method 8081, TestAmerica is standardizing reporting for the following for multi-component chlordane mixtures:

Analyte	Synonyms	CAS #
Technical Chlordane	Chlordane (technical)	12789-03-6
Chlordane (n.o.s) [not otherwise specified]	----	57-74-9

and the following for single component chlordane isomers:

Preferred Name	Synonyms	CAS #
cis-Chlordane	alpha-Chlordane	5103-71-9
trans-Chlordane	gamma-Chlordane beta-Chlordane	5103-74-2

We anticipate making this change in our system effective March 1, 2018. As of this date, reports and electronic data deliverables (EDDs) will use the names and CAS numbers listed above. For those projects that require continued reporting with synonyms or CAS numbers that are no longer current, please contact your TestAmerica Project Manager and they can arrange to have EDDs adjusted to retain the old designations.

If you have general questions regarding this matter or would like further information, please contact TestAmerica's Experts at www.testamericainc.com.

Sincerely,



Richard Burrows
Corporate Technical Director



Larry Penfold
Quality Compliance Director

THE GOLDSTEIN ENVIRONMENTAL LAW FIRM, P.A.
Brownfields, Transactions, Due Diligence, Development, Permitting, Cleanups & Compliance

Community Meeting Agenda
Former Southern Crop Services Green Reuse Area
April 18, 2023, at 5:30 p.m.

Property Location: 8760 Atlantic Avenue, Delray Beach, FL 33446
Parcel ID No.: 00-42-46-20-01-000-0130

- I. Welcome/Introduction**

- II. Nature and Status of Environmental Concerns and Redevelopment**

- III. Discussion of Request for Designation**

- IV. Designation Process**

- V. Closing/Questions**