



ENVIRONMENTAL SERVICES, LLC

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**PHASE II ENVIRONMENTAL SITE ASSESSMENT**

**FOR**

**VACANT PARCEL - 10 ACRES  
9901 GLADIOLUS DRIVE  
FORT MYERS, LEE COUNTY, FLORIDA**

**Prepared For:**

**Tegal Ventures Limited  
PO Box 54478, Cy-3724  
Limassol, Cyprus**

**Prepared by:**

**EE&G Environmental Services, LLC  
5751 Miami Lakes Drive  
Miami Lakes, Florida 33014  
(305) 374-8300**

**October 2011**

**Project No.: 2011 - 3183**



EE&G Environmental Services, LLC

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**Environmental Certification**

**EE&G Project No. 2011 - 3183**

**Report:** Phase II Environmental Site Assessment Report, dated October 2011

**Site:** Vacant Parcel – 10 Acres, 9901 Gladiolus Drive, Fort Myers, Lee County, Florida, Folio Strap Number: 33-45-24-00-00006.0010

**Client:** Tegal Ventures Limited, PO Box 54478, Cy-3724, Limassol, Cyprus

**Environmental Firm:** EE&G Environmental Services, LLC (EE&G), 5751 Miami Lakes Drive, Miami Lakes, Florida 33014

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**Report Prepared By:**

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**Adam Brosius  
Environmental Professional**

**Report Reviewed By:**

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**Craig C. Clevenger, P.G.  
Senior Hydrogeologist**

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***Environmental Professional Certification:***

I declare that, to the best of my professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in § 312.10 of 40 Code of Federal Regulations (CFR) 312.

The Environmental Professional who directed this project has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Craig C. Clevenger, P.G.  
Senior Hydrogeologist

10/26/2011 Date

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## SECTION 1.0 INTRODUCTION

### 1.1 PURPOSE

EE&G Environmental Services, LLC (EE&G) was retained by Tegal Ventures Limited, the Client, to perform a Phase II Environmental Site Assessment (ESA) of the Vacant Parcel – 10 Acres property, located at 9901 Gladiolus Drive, Fort Myers, Lee County, Florida (hereafter referred to as the “*Property*”). The *Property* is further described as Folio Strap Number: 33-45-24-00-00006.0010.

In August 2011, EE&G prepared a Phase I ESA for the *Property* to assess for recognized environmental conditions (RECs). EE&G identified the following RECs or site concerns during the performance of the Phase I ESA:

- The historical agricultural usage of the *Property* for approximately 20 years. The potential for agrichemicals to remain in the soil and/or groundwater exists.
- The historical dumping of unknown materials at the western portions of the *Property*.
- The historical dumping of unknown materials across the western adjoining property.

Based on these findings, EE&G recommended that a Phase II ESA be conducted to assess for impacts to the soil and/or groundwater at the *Property*.

## SECTION 2.0 PHASE II ESA METHODOLOGIES

To assess the quality of the soil and groundwater at the *Property*, samples were collected utilizing the direct-push technology (DPT) drilling in accordance with the standard practice set forth in ASTM Designation E 1903-97. Access to the southwestern portion of the *Property* was unavailable to the drill rig due to forested areas; therefore, a stainless steel hand-auger was utilized to collect soil samples and for installation of two monitoring wells.

Sampling was conducted in accordance with Florida Department of Environmental Protection's (FDEP's) Standard Operating Procedures (SOPs), as specified in Chapter 62-160, FAC. The samples were collected in laboratory supplied, pre-cleaned sample bottles, placed on ice, and transported to a National Environmental Laboratory Accreditation Conference-certified laboratory for analyses.

The DPT soil sampling technique involved hydraulically driving a sampling core device to the desired depth, collecting the soil sample in acetate liners and extracting the device. On October 5, 2011, EE&G advanced eight soil borings designated SB-1 through SB-8 at the following locations:

- SB-1 thru SB-5: Located across the eastern and central portions of the site, in former agricultural areas.
- SB-6, SB-7 and SB-8: Located at the southwestern portion of the site, in the vicinity of the former dumping of materials.

Refer to **Figure 1** for a map illustrating the soil boring locations.

The soil borings were screened in the field to assess for the presence of organic vapors, and to visually assess the soils for indications of petroleum staining or unnatural discoloration. Soil borings typically extended to 4 feet BLS (with the exception of SB-6, SB-7 and SB-8, which terminated at depths of approximately 1.5 to 3-feet BLS). The depth at which the groundwater interface was encountered was between 0.5 to 1 foot BLS. Samples were retrieved in 4-foot acetate liners in order to isolate and maintain the sample integrity and were then segregated into 2-foot intervals for field analysis. The soil samples were transferred from the acetate liners into pre-cleaned 8-ounce soil jars until half-full, covered with aluminum foil, and allowed to equilibrate to obtain representative readings. The soil samples were screened utilizing a Heath Tech Detecto-Pak III Organic Vapor Analyzer (OVA), equipped with a Flame Ionization Detector (FID). The OVA/FID was utilized with, and without a charcoal filter to assess for the presence of naturally occurring methane. The net OVA/FID readings were interpreted to assess for the presence of volatile organic compounds, indicative of a petroleum hydrocarbon or chlorinated solvent source. OVA/FID results generated from field-testing of soils were compared with the action level established in the Florida Department of Environmental Protection (FDEP) "*Guidelines for Assessment and Source Removal of Petroleum Contaminated Soils*" dated May 1998. The action level defined by these guidelines is 10 parts per million (ppm) of organic vapors.

Five soil samples were collected from the approximately 0 to 1 feet BLS interval from soil borings SB-1 and SB-5. These five surficial soil samples were analyzed for the following parameter:

- Total Arsenic by EPA Method 6010B

Three soil samples also were collected from soil borings SB-6, SB-7 and SB-8 from the approximately 0 to 1 feet BLS interval and analyzed for the following parameters:

- Total Arsenic, Barium, Cadmium and Lead by EPA Method 6010B
- Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8270D
- Total Petroleum Hydrocarbons (TPH) by Method FL-PRO

EE&G collected shallow interval groundwater samples from five DPT sample points designated GP-1 and GP-5 (which corresponded to the soil sample locations SB-1 thru SB-5). The DPT groundwater sampling technique utilized a Screen Point 15 (SP15) sampler, in which a decontaminated unit was threaded onto the leading end of a probe rod and driven to the desired sampling interval. While the sampler was driven to a depth, O-ring seals at the drive head and expendable drive point provided a watertight system. Once at the desired sampling interval, the drive rod was retracted to expose the 4-foot long screened interval and allow access for groundwater sampling. The depth to groundwater was encountered was between 0.5 to 1 foot BLS; therefore, the DPT sampling points were screened from surface grade to a depth of 4-feet BLS. EE&G also installed two 1-inch diameter temporary monitoring wells (TMW-1 and TMW-2) at the southwestern boundary of the *Property*, which consisted of a PVC screened interval from surface grade to a depth of approximately 2 to 4 feet BLS. Prior to sampling, the DPT and TMW sampling points were purged using a peristaltic pump until field parameters (pH, turbidity, dissolved oxygen, temperature and conductivity) stabilized to ensure a representative sample of the groundwater was collected.

Shallow interval groundwater samples were collected from GP-1 thru GP-5 and analyzed for the following parameter:

- Total Arsenic by EPA Method 200.7

Shallow interval groundwater samples were collected from TMW-1 and TMW-2 and analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) by EPA Method 8260B
- PAHs by EPA Method 8270D
- TPH by Method FL-PRO

Refer to **Figure 1** for a map illustrating the groundwater sampling locations.

### SECTION 3.0 PHASE II ESA FINDINGS

Groundwater analytical results were compared with the FDEP's *Contaminant Cleanup Target Levels*, per Chapter 62-777, FAC, which regulates the Groundwater Cleanup Target Levels (GCTLs; a.k.a., No Further Action criteria) and Natural Attenuation Default Source Concentrations (NADSCs; a.k.a., Monitoring Only criteria). Soil analytical results were compared with the FDEP *Contaminant Cleanup Target Levels*, per Chapters 62-777, FAC, which regulate Soil Cleanup Target Levels (SCTLs) for *residential-use direct exposure*, *commercial-use direct exposure* and *leachability* concerns.

#### 3.1 SOIL LITHOLOGY AND VISUAL CHARACTERISTICS

Soil samples collected from the site via direct-push were examined for lithologic characteristics, and the lithologic column generally consisted of the following:

- 0 to 1 feet BLS – Brown Fine Sand
- 1 to 2 feet BLS – Brown and Tan Fine Sand
- 2 to 4 feet BLS – Dark Brown Fine Sand

EE&G did not observe the presence of buried debris within the soil borings. No unusual odors, staining or discolorations were noted within the soil samples.

#### 3.2 OVA RESULTS

OVA results generated from field-testing of soils were compared with the action level established in the FDEP's "*Guidelines for Assessment and Source Removal of Petroleum Contaminated Soils*", dated May 1998. The action level defined by these guidelines was 10 parts per million (ppm) of organic vapors, which applies to soils collected above the water table.

Net OVA samples from the soil borings did not reveal readings above 10 ppm. Detectable concentrations of methane were observed within the soil samples, ranging from 180 ppm to 480 ppm. The OVA results are summarized in **Table 1**.

#### 3.3 SOIL ANALYTICAL RESULTS

Based on comparison to the SCTLs, EE&G noted the following with regard to the soil analytical results:

- Total arsenic was detected in the soil samples collected from SB-1 thru SB-5 at concentrations ranging from 0.141 milligrams per kilogram (mg/Kg) to 0.741 mg/Kg. None of these samples exceeded the 2.1 *residential-use direct exposure* mg/Kg SCTL or 12 mg/Kg *commercial-use direct exposure* SCTL.
- Low concentrations of barium, chromium and lead were detected in soil samples SB-6, SB-7 and SB-8; however, these concentrations did not exceed their applicable SCTLs.
- Soil samples SB-6, SB-7 and SB-8 did not exhibit detectable concentrations of PAHs or TPH above the laboratory method detection limits.

Copies of the soil analytical results and chain-of-custody (COC) form are provided in **Appendix A**. The soil analytical results are summarized in **Table 2**.

### 3.4 GROUNDWATER OBSERVATIONS

During the sampling effort, neither free-floating product (FFP), petroleum sheen, nor a hydrocarbon odor were observed on the groundwater from the direct-push sampling points or temporary monitoring wells.

### 3.5 GROUNDWATER ANALYTICAL RESULTS

Based on comparison to the GCTLs, EE&G noted the following with regard to the groundwater analytical results:

- Groundwater samples collected from GP-1 thru GP-5 exhibited detectable concentrations of total arsenic ranging from 0.006 milligrams per liter (mg/L) to 0.024 mg/L. The concentrations detected in GP-2 (0.019 mg/L), GP-3 (0.011 mg/L) and GP-5 (0.024 mg/L) exceeded the 0.010 mg/L GCTL, but were below the 0.10 mg/L NADSC.

Based on these detections, which were slightly above the GCTL, EE&G requested that the field-filtered samples for GP-2, GP-3 and GP-5 be analyzed for dissolved arsenic. The groundwater samples exhibited dissolved arsenic concentrations as follows, which also exceeded the GCTL: GP-2 at 0.018 mg/L, GP-3 at 0.011 mg/L and GP-5 at 0.023 mg/L.

- Neither VOCs, PAHs nor TPH were above the laboratory's method detection limit in groundwater samples analyzed from TMW-1 and TMW-2.

A copy of the groundwater analytical results and COC forms are provided in **Appendix A**. The groundwater analytical results are summarized in **Table 3**.



## SECTION 4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the field observations & soil and groundwater analytical findings, EE&G has concluded the following:

- Surficial soils samples analyzed for the presence of total arsenic in the eastern and central portions of the *Property* (in the former agricultural areas), did not exhibit concentrations above the FDEP residential-use direct exposure SCTLs.
- Three surficial soil samples and two groundwater samples collected from the southwestern portion of the *Property* (in the area of apparent former dumping of unknown materials), did not exhibit elevated concentrations of the analyzed parameters.
- Three of the five direct-push groundwater samples collected from the former agriculture area at the eastern and central portions of the *Property* exhibited low concentrations of total and dissolved (field-filtered) arsenic, ranging from 0.011 mg/L to 0.024 mg/L, which slightly exceeded the 0.010 mg/L GCTL.

Based on the Phase II ESA findings, EE&G does not see any obstacle to the proposed commercial redevelopment plan (see **Appendix B**). It is not uncommon to find arsenic impacts as a result of historic agricultural usage, and there are numerous examples across the State of Florida of both residential and commercial redevelopment on sites impacted with remnants of agrichemical application.

Considering that none of the soil samples tested contained total arsenic above the SCTL, EE&G recommends that two permanent monitoring wells be installed in the immediate vicinity of GP-2 and GP-5 to re-assess for the presence of arsenic-affected groundwater. The use of permanent wells can often reduce the amount of turbidity and are more representative of actual groundwater quality.

If the re-sampling event confirms the presence of arsenic above the GCTL, then it is possible that additional assessment may be warranted to delineate the extent of affected groundwater. However, based on Phase II ESA sampling data, these low arsenic levels could be managed using Natural Attenuation Monitoring, and would not require active remediation. Please note that if the presence of arsenic is confirmed, restrictions on the future use of the groundwater may be warranted, including a prohibition on use for potable or irrigation purposes. Furthermore, if dewatering is required for construction, then effluent may need to be monitored to determine if any treatment is warranted prior to disposal.

Please note that the southwestern portion of the site could not be readily accessed for the performance of test pits to ascertain if any buried debris was located due to apparent historical dumping. EE&G did not observe surface debris in this area of the site, nor in the soil borings from this area. However, EE&G cautions that conditions may be different in other areas. Therefore, EE&G recommends that any potential debris be managed and disposed of properly if encountered during redevelopment of this area.

**TABLES**

**TABLE 1**  
**SOIL OVA RESULTS**  
**VACANT PARCEL - 10 ACRE**  
**9901 GLADIOLUS DRIVE**  
**FT. MYERS, FL**

SOIL BORING DESIGNATION		DEPTH IN FEET	PARTS PER MILLION (TOTAL)	PARTS PER MILLION (WITH CARBON FILTER)	PARTS PER MILLION (NET)
SB-1		0 - 2	250	250	<1
		2 - 4	220	220	<1
SB-2		0 - 2	350	350	<1
		2 - 4	240	240	<1
SB-3		0 - 2	480	480	<1
		2 - 4	220	220	<1
SB-4		0 - 2	270	270	<1
		2 - 4	240	240	<1
SB-5		0 - 2	180	180	<1
		2 - 4	200	200	<1
SB-6		0 - 2	420	420	<1
SB-7		0 - 2	310	310	<1
		2 - 3	350	350	<1
SB-8		0 - 1.5	460	460	<1

Note:  
NF = Not charcoal filtered

**TABLE 2**  
**SOIL ANALYTICAL RESULTS**  
**VACANT PARCEL - 10 ACRES**  
**9901 GLADIOLUS DRIVE**  
**FORT MYERS, FL**

Parameter	Sample Designation Date Collected Depth (feet - BLS)			SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
	Residential	Commercial	Leachability	10/5/11 0 - 1	10/5/11 0 - 1	10/5/11 0 - 1	10/5/11 0 - 1	10/5/11 0 - 1	10/5/11 0 - 0.5	10/5/11 0 - 1	10/5/11 0 - 1
<b>Metals</b>											
Arsenic	2.1	12	***	0.142 (I)	0.212 (I)	0.141 (I)	0.170 (I)	U	0.627	0.741	0.292
Barium	120	130,000	1,600	NT	NT	NT	NT	NT	2.123	1.410	2.357
Cadmium	82.0	1,700	7.5	NT	NT	NT	NT	NT	U	U	U
Chromium	210	470	38	NT	NT	NT	NT	NT	4.629	3.262	4.897
Lead	400	1,400	***	NT	NT	NT	NT	NT	1.010	1.123	0.936
<b>VOCs</b>	*	*	*	NT	NT	NT	NT	NT	U	U	U
<b>PAHs</b>	*	*	*	NT	NT	NT	NT	NT	U	U	U
<b>TPH by FL-PRO</b>	460	2,700	340	NT	NT	NT	NT	NT	U	U	U

Notes:

**Bold** = Detected value in excess of cleanup criteria

All values given in milligrams per kilogram (mg/Kg)

\* = No group standard.

\*\*\* = Assessed via SPLP or TCLP

NT = Not Tested for this parameter

I = Laboratory value between method detection and method reporting limits

U = Analyzed but not detected

**TABLE 3  
GROUNDWATER ANALYTICAL RESULTS  
VACANT PARCEL - 10 ACRES  
9901 GLADIOLUS DRIVE  
FT. MYERS, FL**

Parameter	GCTL *	NADSC *	Sample Designation						
			GP-1	GP-2	GP-3	GP-4	GP-5	TMW-1	TMW-2
<b>Date Sampled</b>			<b>10/5/11</b>	<b>10/5/11</b>	<b>10/5/11</b>	<b>10/5/11</b>	<b>10/5/11</b>	<b>10/5/11</b>	<b>10/5/11</b>
<b>Metals (mg/L)</b>									
Total Arsenic	0.010	0.100	0.007	<b>0.019</b>	<b>0.011</b>	0.006	<b>0.024</b>	NT	NT
Dissolved Arsenic	0.010	0.100	NT	<b>0.018</b>	<b>0.011</b>	NT	<b>0.023</b>	NT	NT
<b>VOC (ug/L)</b>	***	***	NT	NT	NT	NT	NT	U	U
<b>PAH (ug/L)</b>	***	***	NT	NT	NT	NT	NT	U	U
<b>TPH by FL-PRO (mg/L)</b>	5.0	50	NT	NT	NT	NT	NT	U	U

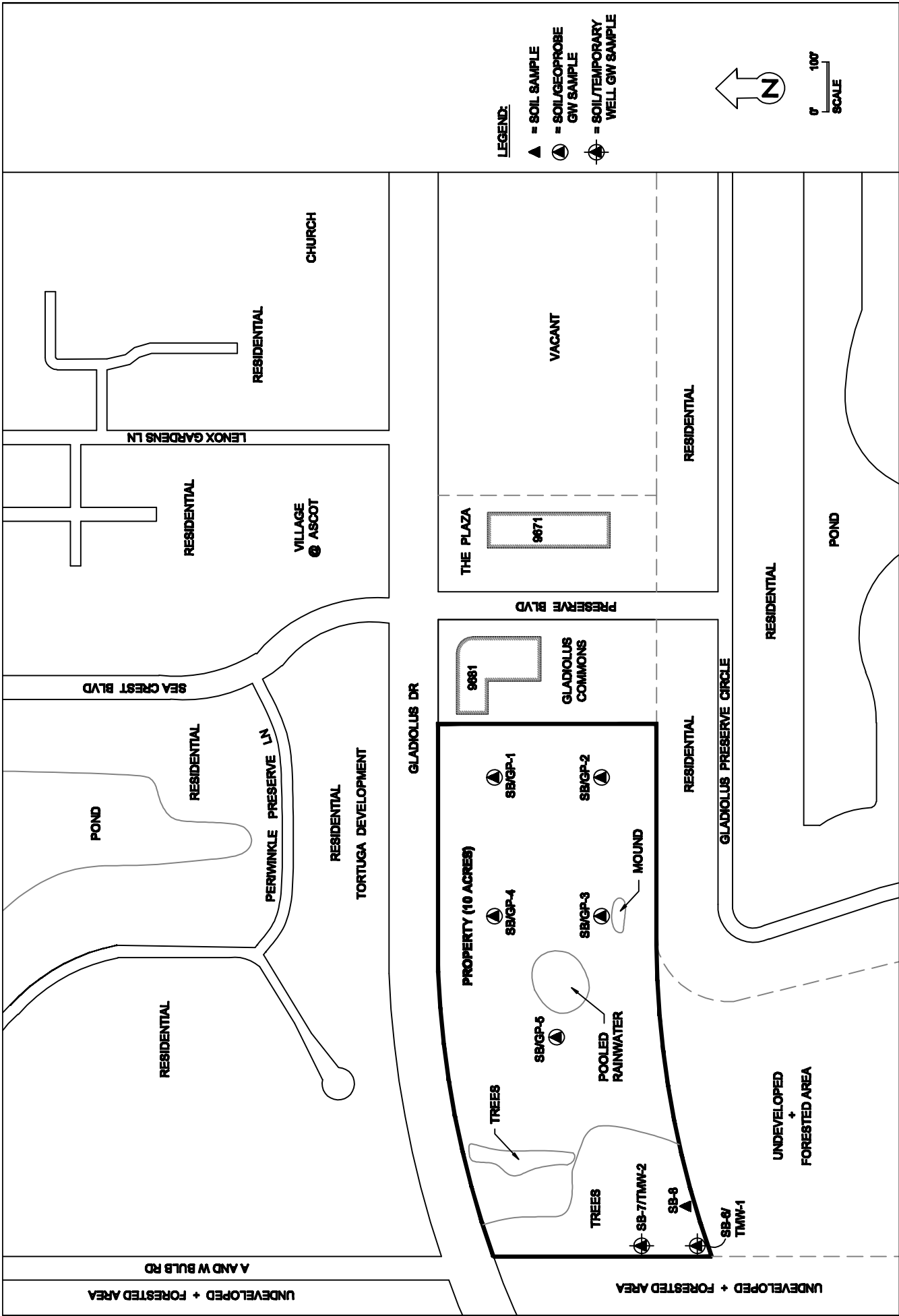
**Notes:**

**Bold** = Indicates value in excess of cleanup criteria  
 ug/L = micrograms per liter    mg/L = milligrams per liter  
 U - Analytical result below the laboratory method reporting limit.  
 NT = Not Tested for this parameter.

Groundwater Cleanup Target Level (GCTL)  
 Natural Attenuation Default Source Concentration (NADSC)  
 VOC = Volatile Organic Compounds  
 PAHs = Polynuclear Aromatic Hydrocarbons

TPH = Total Petroleum Hydrocarbons

**FIGURES**



**FIGURE 1**

Date: 10/12/11
Project #: 2011-3183
Drawn by: JA
Cad File: FIG1
Scale: As Noted

**VACANT PARCEL - 10 ACRES**  
 8801 GLADIOLUS DRIVE  
 FORT MYERS, FL

**SAMPLE LOCATIONS MAP**

**ENVIRONMENTAL SERVICES, LLC**  
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 MIAMI LAKES, FLORIDA 33014  
 (305) 374-8300  
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**APPENDIX A**  
**ANALYTICAL RESULTS AND CHAIN OF CUSTODY FORM**





**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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 Report Printed: 10/13/11  
 Submission # 1110000178  
 Order # 84258

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Solids

**Sample I.D.:** SB-1-1'  
**Collected:** 10/05/11 10:10  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	84.7		%	0.1	0.3	SM2540G	10/11 09:47	10/12 11:47	LYR
Arsenic	0.142 «	I	mg/Kg	0.0649	0.1947	3050/6010B	10/06	10/06 18:43	IMN

« Results reported as Dry Weight (( Wet Weight / % Solids) x 100)  
 QC=Qualifier Codes as defined by DEP 62-160  
 Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to the sample.  
 Qualifiers:  
 U = Analyzed for but not detected.  
 Q = Sample held beyond accepted holding time.  
 I = Value is between MDL and PQL.

  
 \_\_\_\_\_  
 Authorized CSM Signature  
 Florida Environmental Certification # E86006

Florida-Spectrum Environmental Services, Inc.  
 1460 W. McNab Road, Fort Lauderdale, FL 33309

Pembroke Laboratory  
 528 Gooch Rd.  
 Fort Meade, FL 33841

Big Lake Laboratory  
 610 North Parrot Ave.  
 Okeechobee, FL 34972

Spectrum Laboratories  
 630 Indian St.  
 Savannah, GA 31401

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**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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 Report Printed: 10/13/11  
 Submission # 1110000178  
 Order # 84259

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Solids

**Sample I.D.:** SB-2-1'  
**Collected:** 10/05/11 10:30  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	84.8		%	0.1	0.3	SM2540G	10/11 09:47	10/12 11:47	LYR
Arsenic	0.212 «	I	mg/Kg	0.0649	0.1947	3050/6010B	10/06	10/06 19:15	IMN

« Results reported as Dry Weight (( Wet Weight / % Solids) x 100)  
 QC=Qualifier Codes as defined by DEP 62-160  
 Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to the sample.  
 Qualifiers:  
 U=Analyzed for but not detected.  
 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.

  
 \_\_\_\_\_  
 Authorized CSM Signature  
 Florida Environmental Certification # E86006

**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

**Page 3 of 11**  
**Report Printed:** 10/13/11  
**Submission #** 1110000178  
**Order #** 84260

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Solids

**Sample I.D.:** SB-3-1'  
**Collected:** 10/05/11 10:55  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	85.0		%	0.1	0.3	SM2540G	10/11 09:47	10/12 11:47	LYR
Arsenic	0.141 «	I	mg/Kg	0.0649	0.1947	3050/6010B	10/06	10/06 19:20	IMN

« Results reported as Dry Weight (( Wet Weight / % Solids) x 100)  
 QC = Qualifier Codes as defined by DEP 62-160  
 Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to the sample.  
 Qualifiers:  
 U = Analyzed for but not detected.  
 Q = Sample held beyond accepted holding time.  
 I = Value is between MDL and PQL.

  
 \_\_\_\_\_  
 Authorized CSM Signature  
 Florida Environmental Certification # E86006

**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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 Report Printed: 10/13/11  
 Submission # 1110000178  
 Order # 84261

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Solids

**Sample I.D.:** SB-4-1'  
**Collected:** 10/05/11 11:15  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	58.9		%	0.1	0.3	SM2540G	10/11 09:47	10/12 11:47	LYR
Arsenic	0.170 «	I	mg/Kg	0.0649	0.1947	3050/6010B	10/06	10/06 19:24	IMN

« Results reported as Dry Weight (( Wet Weight / % Solids) x 100)  
 QC = Qualifier Codes as defined by DEP 62-160  
 Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
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 I = Value is between MDL and PQL.

  
 \_\_\_\_\_  
 Authorized CSM Signature  
 Florida Environmental Certification # E86006

Report To:  
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 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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 Report Printed: 10/13/11  
 Submission # 1110000178  
 Order # 84262

Project: Vacant Property (2011-3183)  
 Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
 Matrix: Solids

Sample I.D.: SB-5-2'  
 Collected: 10/05/11 11:40  
 Received: 10/06/11 13:55  
 Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	86.2		%	0.1	0.3	SM2540G	10/11 11:02	10/12 11:52	LYR
Arsenic	U «	U	mg/Kg	0.0649	0.1947	3050/6010B	10/06	10/06 19:29	IMN

« Results reported as Dry Weight (( Wet Weight / % Solids) x 100)  
 QC=Qualifier Codes as defined by DEP 62-160  
 Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to the sample.  
 Qualifiers:  
 U=Analyzed for but not detected.  
 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.

  
 Authorized CSM Signature  
 Florida Environmental; Certification # E86006

Report To:  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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 Report Printed: 10/13/11  
 Submission # 1110000178  
 Order # 84263

Project: Vacant Property (2011-3183)  
 Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
 Matrix: Solids

Sample I.D.: SB-6-0.5'  
 Collected: 10/05/11 12:30  
 Received: 10/06/11 13:55  
 Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	78.2		%	0.1	0.3	SM2540G	10/11 09:48	10/12 11:48	LYR
Arsenic	0.627 «		mg/Kg	0.0649	0.1947	3050/6010B	10/06	10/06 19:34	IMN
Barium	2.123 «		mg/Kg	0.0017	0.0051	3050/6010B	10/06	10/06 19:34	IMN
Cadmium	U «	U	mg/Kg	0.0038	0.0114	3050/6010B	10/06	10/06 19:34	IMN
Chromium	4.629 «		mg/Kg	0.038	0.114	3050/6010B	10/06	10/06 19:34	IMN
Lead	1.010 «		mg/Kg	0.0528	0.1584	3050/6010B	10/06	10/06 19:34	IMN
<b>8270D PAHs in Soils and Wastes by GC/MS</b>				<b>Dilution Factor = 1</b>					
Naphthalene	U «	U	ug/Kg	1.37	4.11	3550/8270D	10/11 17:28	10/12 17:28	AC
2-Methylnaphthalene	U «	U	ug/Kg	0.66	1.98	3550/8270D	10/11 17:28	10/12 17:28	AC
1-Methylnaphthalene	U «	U	ug/Kg	0.45	1.35	3550/8270D	10/11 17:28	10/12 17:28	AC
Acenaphthene	U «	U	ug/Kg	0.55	1.65	3550/8270D	10/11 17:28	10/12 17:28	AC
Phenanthrene	U «	U	ug/Kg	0.52	1.56	3550/8270D	10/11 17:28	10/12 17:28	AC
Fluoranthene	U «	U	ug/Kg	0.51	1.53	3550/8270D	10/11 17:28	10/12 17:28	AC
Benzo(a)anthracene	U «	U	ug/Kg	0.46	1.38	3550/8270D	10/11 17:28	10/12 17:28	AC
Benzo(b)fluoranthene	U «	U	ug/Kg	0.53	1.59	3550/8270D	10/11 17:28	10/12 17:28	AC
Benzo(a)pyrene	U «	U	ug/Kg	0.48	1.44	3550/8270D	10/11 17:28	10/12 17:28	AC
Benzo(ghi)perylene	U «	U	ug/Kg	0.66	1.98	3550/8270D	10/11 17:28	10/12 17:28	AC
Acenaphthylene	U «	U	ug/Kg	0.45	1.35	3550/8270D	10/11 17:28	10/12 17:28	AC

Report To:  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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 Report Printed: 10/13/11  
 Submission # 1110000178  
 Order # 84263

Project: Vacant Property (2011-3183)  
 Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
 Matrix: Solids

Sample I.D.: SB-6-0.5'  
 Collected: 10/05/11 12:30  
 Received: 10/06/11 13:55  
 Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Fluorene	U «	U	ug/Kg	0.43	1.29	3550/8270D	10/11 17:28	10/12 17:28	AC
Anthracene	U «	U	ug/Kg	0.36	1.08	3550/8270D	10/11 17:28	10/12 17:28	AC
Pyrene	U «	U	ug/Kg	0.43	1.29	3550/8270D	10/11 17:28	10/12 17:28	AC
Chrysene	U «	U	ug/Kg	0.54	1.62	3550/8270D	10/11 17:28	10/12 17:28	AC
Benzo(k)fluoranthene	U «	U	ug/Kg	0.56	1.68	3550/8270D	10/11 17:28	10/12 17:28	AC
Indeno(1,2,3-cd)pyrene	U «	U	ug/Kg	0.47	1.41	3550/8270D	10/11 17:28	10/12 17:28	AC
Dibenzo(a,h)anthracene	U «	U	ug/Kg	0.66	1.98	3550/8270D	10/11 17:28	10/12 17:28	AC
<b>FL-PRO (Petroleum Residual Organic Totals)-SOIL</b>			<b>Dilution Factor = 1</b>						
TOTAL PRO (C8-C40)	U «	U	mg/Kg	0.01	0.03	FL-PRO	10/07 08:37	10/07 18:02	AC

« Results reported as Dry Weight (( Wet Weight / % Solids) x 100)  
 QC=Qualifier Codes as defined by DEP 62-160  
 Analytes not currently NELAC certified denoted by ~  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to the sample.  
 Qualifiers:  
 U= Analyzed for but not detected.  
 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.

  
 Authorized CSM Signature  
 Florida Environmental Certification # E86006

Report To:  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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 Report Printed: 10/13/11  
 Submission # 1110000178  
 Order # 84264

Project: Vacant Property (2011-3183)  
 Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
 Matrix: Solids

Sample I.D.: SB-7-1'  
 Collected: 10/05/11 13:10  
 Received: 10/06/11 13:55  
 Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	83.7		%	0.1	0.3	SM2540G	10/11 11:02	10/12 11:52	LYR
Arsenic	0.741 «		mg/Kg	0.0649	0.1947	3050/6010B	10/06	10/06 19:38	IMN
Barium	1.410 «		mg/Kg	0.0017	0.0051	3050/6010B	10/06	10/06 19:38	IMN
Cadmium	U «	U	mg/Kg	0.0038	0.0114	3050/6010B	10/06	10/06 19:38	IMN
Chromium	3.262 «		mg/Kg	0.038	0.114	3050/6010B	10/06	10/06 19:38	IMN
Lead	1.123 «		mg/Kg	0.0528	0.1584	3050/6010B	10/06	10/06 19:38	IMN
<b>8270D PAHs in Soils and Wastes by GC/MS</b>				<b>Dilution Factor = 1</b>					
Naphthalene	U «	U	ug/Kg	1.37	4.11	3550/8270D	10/11 17:29	10/12 17:29	AC
2-Methylnaphthalene	U «	U	ug/Kg	0.66	1.98	3550/8270D	10/11 17:29	10/12 17:29	AC
1-Methylnaphthalene	U «	U	ug/Kg	0.45	1.35	3550/8270D	10/11 17:29	10/12 17:29	AC
Acenaphthene	U «	U	ug/Kg	0.55	1.65	3550/8270D	10/11 17:29	10/12 17:29	AC
Phenanthrene	U «	U	ug/Kg	0.52	1.56	3550/8270D	10/11 17:29	10/12 17:29	AC
Fluoranthene	U «	U	ug/Kg	0.51	1.53	3550/8270D	10/11 17:29	10/12 17:29	AC
Benzo(a)anthracene	U «	U	ug/Kg	0.46	1.38	3550/8270D	10/11 17:29	10/12 17:29	AC
Benzo(b)fluoranthene	U «	U	ug/Kg	0.53	1.59	3550/8270D	10/11 17:29	10/12 17:29	AC
Benzo(a)pyrene	U «	U	ug/Kg	0.48	1.44	3550/8270D	10/11 17:29	10/12 17:29	AC
Benzo(ghi)perylene	U «	U	ug/Kg	0.66	1.98	3550/8270D	10/11 17:29	10/12 17:29	AC
Acenaphthylene	U «	U	ug/Kg	0.45	1.35	3550/8270D	10/11 17:29	10/12 17:29	AC



Report To:  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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 Report Printed: 10/13/11  
 Submission # 1110000178  
 Order # 84264

Project: Vacant Property (2011-3183)  
 Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
 Matrix: Solids

Sample I.D.: SB-7-1'  
 Collected: 10/05/11 13:10  
 Received: 10/06/11 13:55  
 Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Fluorene	U «	U	ug/Kg	0.43	1.29	3550/8270D	10/11 17:29	10/12 17:29	AC
Anthracene	U «	U	ug/Kg	0.36	1.08	3550/8270D	10/11 17:29	10/12 17:29	AC
Pyrene	U «	U	ug/Kg	0.43	1.29	3550/8270D	10/11 17:29	10/12 17:29	AC
Chrysene	U «	U	ug/Kg	0.54	1.62	3550/8270D	10/11 17:29	10/12 17:29	AC
Benzo(k)fluoranthene	U «	U	ug/Kg	0.56	1.68	3550/8270D	10/11 17:29	10/12 17:29	AC
Indeno(1,2,3-cd)pyrene	U «	U	ug/Kg	0.47	1.41	3550/8270D	10/11 17:29	10/12 17:29	AC
Dibenzo(a,h)anthracene	U «	U	ug/Kg	0.66	1.98	3550/8270D	10/11 17:29	10/12 17:29	AC
FL-PRO (Petroleum Residual Organic Totals)-SOIL				Dilution Factor = 1					
TOTAL PRO (C8-C40)	U «	U	mg/Kg	0.01	0.03	FL-PRO	10/07 08:37	10/07 18:35	AC

« Results reported as Dry Weight (( Wet Weight / % Solids) x 100)  
 QC=Qualifier Codes as defined by DEP 62-160  
 Analytes not currently NELAC certified denoted by -  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
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 Qualifiers:  
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 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.

  
 Authorized CSM Signature  
 Florida Environmental Certification # E86006

**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

Page 10 of 11  
 Report Printed: 10/13/11  
 Submission # 1110000178  
 Order # 84265

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Solids

**Sample I.D.:** SB-8-0.5'  
**Collected:** 10/05/11 13:00  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	82.3		%	0.1	0.3	SM2540G	10/11 11:02	10/12 11:52	LYR
Arsenic	0.292 «		mg/Kg	0.0649	0.1947	3050/6010B	10/06	10/06 19:43	IMN
Barium	2.357 «		mg/Kg	0.0017	0.0051	3050/6010B	10/06	10/06 19:43	IMN
Cadmium	U «	U	mg/Kg	0.0038	0.0114	3050/6010B	10/06	10/06 19:43	IMN
Chromium	4.897 «		mg/Kg	0.038	0.114	3050/6010B	10/06	10/06 19:43	IMN
Lead	0.936 «		mg/Kg	0.0528	0.1584	3050/6010B	10/06	10/06 19:43	IMN
<b>8270D PAHs in Soils and Wastes by GC/MS</b>				<b>Dilution Factor = 1</b>					
Naphthalene	U «	U	ug/Kg	1.37	4.11	3550/8270D	10/11 17:29	10/12 17:29	AC
2-Methylnaphthalene	U «	U	ug/Kg	0.66	1.98	3550/8270D	10/11 17:29	10/12 17:29	AC
1-Methylnaphthalene	U «	U	ug/Kg	0.45	1.35	3550/8270D	10/11 17:29	10/12 17:29	AC
Acenaphthene	U «	U	ug/Kg	0.55	1.65	3550/8270D	10/11 17:29	10/12 17:29	AC
Phenanthrene	U «	U	ug/Kg	0.52	1.56	3550/8270D	10/11 17:29	10/12 17:29	AC
Fluoranthene	U «	U	ug/Kg	0.51	1.53	3550/8270D	10/11 17:29	10/12 17:29	AC
Benzo(a)anthracene	U «	U	ug/Kg	0.46	1.38	3550/8270D	10/11 17:29	10/12 17:29	AC
Benzo(b)fluoranthene	U «	U	ug/Kg	0.53	1.59	3550/8270D	10/11 17:29	10/12 17:29	AC
Benzo(a)pyrene	U «	U	ug/Kg	0.48	1.44	3550/8270D	10/11 17:29	10/12 17:29	AC
Benzo(ghi)perylene	U «	U	ug/Kg	0.66	1.98	3550/8270D	10/11 17:29	10/12 17:29	AC
Acenaphthylene	U «	U	ug/Kg	0.45	1.35	3550/8270D	10/11 17:29	10/12 17:29	AC

Report To:  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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 Report Printed: 10/13/11  
 Submission # 1110000178  
 Order # 84265

Project: Vacant Property (2011-3183)  
 Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
 Matrix: Solids

Sample I.D.: SB-8-O.5'  
 Collected: 10/05/11 13:00  
 Received: 10/06/11 13:55  
 Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**  
 All results reported as dry weight where appropriate.

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Fluorene	U «	U	ug/Kg	0.43	1.29	3550/8270D	10/11 17:29	10/12 17:29	AC
Anthracene	U «	U	ug/Kg	0.36	1.08	3550/8270D	10/11 17:29	10/12 17:29	AC
Pyrene	U «	U	ug/Kg	0.43	1.29	3550/8270D	10/11 17:29	10/12 17:29	AC
Chrysene	U «	U	ug/Kg	0.54	1.62	3550/8270D	10/11 17:29	10/12 17:29	AC
Benzo(k)fluoranthene	U «	U	ug/Kg	0.56	1.68	3550/8270D	10/11 17:29	10/12 17:29	AC
Indeno(1,2,3-cd)pyrene	U «	U	ug/Kg	0.47	1.41	3550/8270D	10/11 17:29	10/12 17:29	AC
Dibenzo(a,h)anthracene	U «	U	ug/Kg	0.66	1.98	3550/8270D	10/11 17:29	10/12 17:29	AC
<b>FL-PRO (Petroleum Residual Organic Totals)-SOIL</b>				<b>Dilution Factor =1</b>					
TOTAL PRO (C8-C40)	U «	U	mg/Kg	0.01	0.03	FL-PRO	10/07 08:38	10/07 19:08	AC

« Results reported as Dry Weight (( Wet Weight / % Solids) x 100)  
 QC=Qualifier Codes as defined by DEP 62-160  
 Analytes not currently NELAC certified denoted by -  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
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 Qualifiers:  
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 I=Value is between MDL and PQL.

  
 Authorized CSM Signature  
 Florida Environmental Certification # E86006

SUBMISSION #  
110-1778



- 1460 W. McNab Road Ft. Laud, FL 33309
- 630 Indian Street Savannah, GA 31401
- 528 Gooch Road Fort Meade, FL 33841
- 610 Parrot Ave. N, Okeechobee, FL 34972

Original-Return w/report

Yellow-Lab File Copy

Pink - Sampler Copy

DUE DATE Requested  
10-18-11  
RUSH RESERVATION #

CHAIN OF CUSTODY RECORD

Report to: EE+G Purchase Order # \_\_\_\_\_  
 Invoice to: \_\_\_\_\_  
 (company name) \_\_\_\_\_  
 Project Name: Vacant Property (2011-3183) Site Location: 9901 Gladwin Dr, Ft. Myers, FL  
 Project Number: \_\_\_\_\_ Phone: 305-374-9300 Fax: 305-374-9004 Email: \_\_\_\_\_  
 Contract: Adson Brosius Affiliation: EE+G 305-322-2002 Sampler Signature: J. Lettberg

Lab Control Number	Sample ID	Date Sampled	Time Sampled	Matrix			Bottle & Pres. Combo Codes	Number of Containers Received & NELAC Letter Suffixes A-?	Analysis Required	Temp	PH	COND	CHLOR
				DW	SW	GW							
84258	SB-1-1'	10-05	1010	S			SA	1	T-AS				
84259	SB-2-1'		1030					1	PAH-6270				
842100	SB-3-1'		1055					1	FL PRO				
842101	SB-4-1'		1115					1	T-AS, Ba, Cd, Cr, Pb				
842102	SB-5-2'		1140					1					
842103	SB-6-0.5'		1230					1					
842104	SB-7-1'		1310					1					
842105	SB-8-0.5'		1300					1					
Special Comments: <u>*I waive NELAC protocol* (sign here) &gt;</u>										Total			

Deliverables: \_\_\_\_\_ QA/QC Report Needed? Yes (additional charge)

Sample Custody & Field Comments: Temp as received Y N C  
Custody seals? Y N  
FIELD TIME: \_\_\_\_\_ hrs  
Sampling \_\_\_\_\_ hrs  
Pick-Up \_\_\_\_\_ hrs  
Misc. Charges \_\_\_\_\_

Bottle Type: A-liter amber  
B-Bacteria bag/bottle  
F-500 ml  
O-125 ml  
L-liter bottle  
S4-4 oz soil jar / S8-8 oz soil jar  
T-250 ml  
V-40 ml vial  
W-wide mouth  
X-other  
B-brown liter plastic

Preservatives: A-ascorbic acid  
C-HCL  
Cu-CuSO4  
H-HNO3  
M-MCAB  
Z-zinc acetate

Additional Preservatives: Hex-Hex Cr Buffer  
EDA-Ethylene Diamine

Signature: J. Lettberg Affiliation: EE+G Date/Time: 10-06-11/1240  
 Received by: [Signature] Date/Time: 10/6/11 1240  
 Relinquished by: [Signature] Date/Time: 10/6/11 1355  
 Relinquished by: [Signature] Date/Time: 10/6/11 1355

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**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

**Page 1 of 17**  
**Report Printed:** 10/12/11  
**Submission #** 1110000180  
**Order #** 84269

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Water

**Sample I.D.:** GP-1  
**Collected:** 10/05/11 10:20  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Arsenic	0.007		mg/L	0.0012	0.0036	200.7	10/06	10/06 17:53	IMN

Unless indicated, soil results are reported based on actual (wet) weight basis.

Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to this sample.  
 QC=Qualifier Codes as defined by DEP 62-160  
 U=Analyzed for but not detected.  
 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.  
 J=Estimated value.

Authorized CSM Signature (954) 978-6400  
 Florida-Spectrum Environmental Services, Inc.  
 Certification # E86006

Florida-Spectrum Environmental Services, Inc.  
 1460 W. McNab Road, Fort Lauderdale, FL 33309

Pembroke Laboratory  
 528 Gooch Rd.  
 Fort Meade, FL 33841

Big Lake Laboratory  
 610 North Parrot Ave.  
 Okeechobee, FL 34972

Spectrum Laboratories  
 630 Indian St.  
 Savannah, GA 31401

[www.flenviro.com](http://www.flenviro.com)

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 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

Page 2 of 17  
**Report Printed:** 10/12/11  
**Submission #** 1110000180  
**Order #** 84270

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Water

**Sample I.D.:** GP-2  
**Collected:** 10/05/11 10:40  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Arsenic	0.019		mg/L	0.0012	0.0036	200.7	10/06	10/06 17:57	IMN

Unless indicated, soil results are reported based on actual (wet) weight basis.

Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to this sample.  
 QC=Qualifier Codes as defined by DEP 62-160  
 U=Analyzed for but not detected.  
 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.  
 J=Estimated value.

  
 Authorized CSM Signature (954) 978-6400  
 Florida-Spectrum Environmental Services, Inc.  
 Certification # E86006

**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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 Report Printed: 10/12/11  
 Submission # 1110000180  
 Order # 84271

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Water

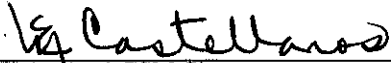
**Sample I.D.:** GP-3  
**Collected:** 10/05/11 11:05  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Arsenic	0.011		mg/L	0.0012	0.0036	200.7	10/06	10/06 18:02	IMN

Unless indicated, soil results are reported based on actual (wet) weight basis.

Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to this sample.  
 QC=Qualifier Codes as defined by DEP 62-160  
 U=Analyzed for but not detected.  
 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.  
 J=Estimated value.

  
 Authorized CSM Signature (954) 978-6400  
 Florida-Spectrum Environmental Services, Inc.  
 Certification # E86006

**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

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**Report Printed:** 10/12/11  
**Submission #** 1110000180  
**Order #** 84272

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Water


**Sample I.D.:** GP-4  
**Collected:** 10/05/11 11:25  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Arsenic	0.006		mg/L	0.0012	0.0036	200.7	10/06	10/06 18:06	IMN

Unless indicated, soil results are reported based on actual (wet) weight basis.

Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to this sample.  
 QC=Qualifier Codes as defined by DEP 62-160  
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 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.  
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 Report Printed: 10/12/11  
 Submission # 1110000180  
 Order # 84273

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Water

**Sample I.D.:** GP-5  
**Collected:** 10/05/11 11:50  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Arsenic	0.024		mg/L	0.0012	0.0036	200.7	10/06	10/06 18:11	IMN

Unless indicated, soil results are reported based on actual (wet) weight basis.

Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to this sample.  
 QC=Qualifier Codes as defined by DEP 62-160  
 U=Analyzed for but not detected.  
 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.  
 J=Estimated value.



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Submission # 1110000180  
Order # 84274

Project: Vacant Property (2011-3183)  
Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
Matrix: Water

Sample I.D.: TMW-1  
Collected: 10/05/11 12:45  
Received: 10/06/11 13:55  
Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
8260B Volatile Organics in Water by GC/MS			Dilution Factor = 1						
Acetone	U	U	ug/L	1.42	4.26	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Acrolein	U	U	ug/L	6.99	20.97	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Acrylonitrile	U	U	ug/L	0.52	1.56	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Methyl Ethyl Ketone	U	U	ug/L	0.56	1.68	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Dichlorodifluoromethane	U	U	ug/L	1.06	3.18	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Chloromethane	U	U	ug/L	0.88	2.64	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Vinyl Chloride	U	U	ug/L	0.79	2.37	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Bromomethane	U	U	ug/L	0.60	1.80	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Chloroethane	U	U	ug/L	0.47	1.41	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Trichlorofluoromethane	U	U	ug/L	0.48	1.44	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,1-Dichloroethene	U	U	ug/L	0.42	1.26	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Methylene Chloride	U	U	ug/L	0.99	2.97	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Trans-1,2-Dichloroethene	U	U	ug/L	0.21	0.63	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Methyl-Tert-Butyl Ether	U	U	ug/L	0.55	1.65	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,1-Dichloroethane	U	U	ug/L	0.19	0.57	5030/8260B	10/11 17:59	10/11 17:59	MAZ
2,2-Dichloropropane	U	U	ug/L	0.76	2.28	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Cis-1,2-Dichloroethene	U	U	ug/L	0.17	0.51	5030/8260B	10/11 17:59	10/11 17:59	MAZ

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Miami Lakes, FL 33014

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**Report Printed:** 10/12/11  
**Submission #** 1110000180  
**Order #** 84274

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Water

**Sample I.D.:** TMW-1  
**Collected:** 10/05/11 12:45  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Chloroform	U	U	ug/L	0.27	0.81	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Bromochloromethane	U	U	ug/L	0.21	0.63	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,1,1-Trichloroethane	U	U	ug/L	0.67	2.01	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,1-Dichloropropene	U	U	ug/L	0.65	1.95	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Carbon Tetrachloride	U	U	ug/L	0.81	2.43	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Benzene	U	U	ug/L	0.14	0.42	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,2-Dichloroethane	U	U	ug/L	0.31	0.93	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Trichloroethene	U	U	ug/L	0.34	1.02	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,2-Dichloropropane	U	U	ug/L	0.46	1.38	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Bromodichloromethane	U	U	ug/L	0.52	1.56	5030/8260B	10/11 17:59	10/11 17:59	MAZ
2-Chloroethylvinyl Ether	U	U	ug/L	0.76	2.28	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Dibromomethane	U	U	ug/L	0.37	1.11	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Cis-1,3-Dichloropropene	U	U	ug/L	0.41	1.23	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Toluene	U	U	ug/L	0.31	0.93	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Trans-1,3-Dichloropropene	U	U	ug/L	0.28	0.84	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,1,2-Trichloroethane	U	U	ug/L	0.46	1.38	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,3-Dichloropropane	U	U	ug/L	0.46	1.38	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Tetrachloroethene	U	U	ug/L	0.42	1.26	5030/8260B	10/11 17:59	10/11 17:59	MAZ

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Miami Lakes, FL 33014

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Report Printed: 10/12/11  
Submission # 1110000180  
Order # 84274

Project: Vacant Property (2011-3183)  
Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
Matrix: Water

Sample I.D.: TMW-1  
Collected: 10/05/11 12:45  
Received: 10/06/11 13:55  
Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Dibromochloromethane	U	U	ug/L	0.30	0.90	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,2-Dibromoethane (EDB)	U	U	ug/L	0.25	0.75	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Bromobenzene	U	U	ug/L	0.40	1.20	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Chlorobenzene	U	U	ug/L	0.34	1.02	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Ethylbenzene	U	U	ug/L	0.42	1.26	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,1,1,2-Tetrachloroethane	U	U	ug/L	0.15	0.45	5030/8260B	10/11 17:59	10/11 17:59	MAZ
m & p-Xylene	U	U	ug/L	0.80	2.40	5030/8260B	10/11 17:59	10/11 17:59	MAZ
o-Xylene	U	U	ug/L	0.32	0.96	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Styrene	U	U	ug/L	0.31	0.93	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Isopropylbenzene	U	U	ug/L	0.38	1.14	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Bromoform	U	U	ug/L	0.16	0.48	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,1,1,2-Tetrachloroethane	U	U	ug/L	0.14	0.42	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,2,3-Trichloropropane	U	U	ug/L	0.22	0.66	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,3,5-Trimethylbenzene	U	U	ug/L	0.38	1.14	5030/8260B	10/11 17:59	10/11 17:59	MAZ
2-Chlorotoluene	U	U	ug/L	0.38	1.14	5030/8260B	10/11 17:59	10/11 17:59	MAZ
4-Chlorotoluene	U	U	ug/L	0.33	0.99	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Tert-Butylbenzene	U	U	ug/L	0.40	1.20	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,2,4-Trimethylbenzene	U	U	ug/L	0.38	1.14	5030/8260B	10/11 17:59	10/11 17:59	MAZ

Report To:  
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EE&G Environmental Svcs-Miami  
5751 Miami Lakes Drive  
Miami Lakes, FL 33014

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Submission # 1110000180  
Order # 84274

Project: Vacant Property (2011-3183)  
Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
Matrix: Water

Sample I.D.: TMW-1  
Collected: 10/05/11 12:45  
Received: 10/06/11 13:55  
Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Sec-Butylbenzene	U	U	ug/L	0.45	1.35	5030/8260B	10/11 17:59	10/11 17:59	MAZ
P-Isopropyltoluene	U	U	ug/L	0.41	1.23	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,3-Dichlorobenzene	U	U	ug/L	0.40	1.20	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,4-Dichlorobenzene	U	U	ug/L	0.39	1.17	5030/8260B	10/11 17:59	10/11 17:59	MAZ
n-Butylbenzene	U	U	ug/L	0.34	1.02	5030/8260B	10/11 17:59	10/11 17:59	MAZ
n-PropylBenzene	U	U	ug/L	0.39	1.17	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,2-Dichlorobenzene	U	U	ug/L	0.30	0.90	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,2-Dibromo-3-Chloropropane (DBCP)	U	U	ug/L	0.17	0.51	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,2,4-Trichlorobenzene	U	U	ug/L	0.23	0.69	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Hexachlorobutadiene	U	U	ug/L	0.47	1.41	5030/8260B	10/11 17:59	10/11 17:59	MAZ
Naphthalene	U	U	ug/L	0.24	0.72	5030/8260B	10/11 17:59	10/11 17:59	MAZ
1,2,3-Trichlorobenzene	U	U	ug/L	0.28	0.84	5030/8260B	10/11 17:59	10/11 17:59	MAZ
<b>8270D PAHs in WATER by GC/MS</b>						<b>Dilution Factor = 1</b>			
Naphthalene	U	U	ug/L	0.027	0.081	8270D	10/07 08:35	10/07 16:35	AC
2-Methylnaphthalene	U	U	ug/L	0.036	0.108	8270D	10/07 08:35	10/07 16:35	AC
1-Methylnaphthalene	U	U	ug/L	0.020	0.060	8270D	10/07 08:35	10/07 16:35	AC
Acenaphthene	U	U	ug/L	0.008	0.024	8270D	10/07 08:35	10/07 16:35	AC
Phenanthrene	U	U	ug/L	0.013	0.039	8270D	10/07 08:35	10/07 16:35	AC

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Adam Brosius  
EE&G Environmental Svcs-Miami  
5751 Miami Lakes Drive  
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Report Printed: 10/12/11  
Submission # 1110000180  
Order # 84274

Project: Vacant Property (2011-3183)  
Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
Matrix: Water

Sample I.D.: TMW-1  
Collected: 10/05/11 12:45  
Received: 10/06/11 13:55  
Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Fluoranthene	U	U	ug/L	0.004	0.012	8270D	10/07 08:35	10/07 16:35	AC
Benzo(a)anthracene	U	U	ug/L	0.004	0.012	8270D	10/07 08:35	10/07 16:35	AC
Benzo(b)fluoranthene	U	U	ug/L	0.008	0.024	8270D	10/07 08:35	10/07 16:35	AC
Benzo(a)pyrene	U	U	ug/L	0.006	0.018	8270D	10/07 08:35	10/07 16:35	AC
Benzo(ghi)perylene	U	U	ug/L	0.007	0.021	8270D	10/07 08:35	10/07 16:35	AC
Acenaphthylene	U	U	ug/L	0.006	0.018	8270D	10/07 08:35	10/07 16:35	AC
Fluorene	U	U	ug/L	0.008	0.024	8270D	10/07 08:35	10/07 16:35	AC
Anthracene	U	U	ug/L	0.006	0.018	8270D	10/07 08:35	10/07 16:35	AC
Pyrene	U	U	ug/L	0.011	0.033	8270D	10/07 08:35	10/07 16:35	AC
Chrysene	U	U	ug/L	0.004	0.012	8270D	10/07 08:35	10/07 16:35	AC
Benzo(k)fluoranthene	U	U	ug/L	0.003	0.009	8270D	10/07 08:35	10/07 16:35	AC
Indeno(1,2,3-cd)pyrene	U	U	ug/L	0.011	0.033	8270D	10/07 08:35	10/07 16:35	AC
Dibenzo(a,h)anthracene	U	U	ug/L	0.004	0.012	8270D	10/07 08:35	10/07 16:35	AC
FL-PRO (Petroleum Residual Organic Totals)-WATER				Dilution Factor = 1					

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**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Water


**Sample I.D.:** TMW-1  
**Collected:** 10/05/11 12:45  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
TOTAL PRO (C8-C40)	U	U	mg/L	0.07	0.21	FL-PRO	10/07 08:50	10/07 22:47	AC

Unless indicated, soil results are reported based on actual (wet) weight basis.

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 QC=Qualifier Codes as defined by DEP 62-160  
 U=Analyzed for but not detected.  
 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.  
 J=Estimated value.

  
 Authorized CSM Signature (954) 978-6400  
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 Order # 84275

Project: Vacant Property (2011-3183)  
 Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
 Matrix: Water

Sample I.D.: TMW-2  
 Collected: 10/05/11 13:30  
 Received: 10/06/11 13:55  
 Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
8260B Volatile Organics in Water by GC/MS				Dilution Factor =1					
Acetone	U	U	ug/L	1.42	4.26	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Acrolein	U	U	ug/L	6.99	20.97	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Acrylonitrile	U	U	ug/L	0.52	1.56	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Methyl Ethyl Ketone	U	U	ug/L	0.56	1.68	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Dichlorodifluoromethane	U	U	ug/L	1.06	3.18	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Chloromethane	U	U	ug/L	0.88	2.64	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Vinyl Chloride	U	U	ug/L	0.79	2.37	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Bromomethane	U	U	ug/L	0.60	1.80	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Chloroethane	U	U	ug/L	0.47	1.41	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Trichlorofluoromethane	U	U	ug/L	0.48	1.44	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,1-Dichloroethene	U	U	ug/L	0.42	1.26	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Methylene Chloride	U	U	ug/L	0.99	2.97	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Trans-1,2-Dichloroethene	U	U	ug/L	0.21	0.63	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Methyl-Tert-Butyl Ether	U	U	ug/L	0.55	1.65	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,1-Dichloroethane	U	U	ug/L	0.19	0.57	5030/8260B	10/11 18:24	10/11 18:24	MAZ
2,2-Dichloropropane	U	U	ug/L	0.76	2.28	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Cis-1,2-Dichloroethene	U	U	ug/L	0.17	0.51	5030/8260B	10/11 18:24	10/11 18:24	MAZ



Report To:  
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Miami Lakes, FL 33014

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Submission # 1110000180  
Order # 84275

Project: Vacant Property (2011-3183)  
Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
Matrix: Water

Sample I.D.: TMW-2  
Collected: 10/05/11 13:30  
Received: 10/06/11 13:55  
Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Chloroform	U	U	ug/L	0.27	0.81	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Bromochloromethane	U	U	ug/L	0.21	0.63	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,1,1-Trichloroethane	U	U	ug/L	0.67	2.01	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,1-Dichloropropene	U	U	ug/L	0.65	1.95	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Carbon Tetrachloride	U	U	ug/L	0.81	2.43	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Benzene	U	U	ug/L	0.14	0.42	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,2-Dichloroethane	U	U	ug/L	0.31	0.93	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Trichloroethene	U	U	ug/L	0.34	1.02	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,2-Dichloropropane	U	U	ug/L	0.46	1.38	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Bromodichloromethane	U	U	ug/L	0.52	1.56	5030/8260B	10/11 18:24	10/11 18:24	MAZ
2-Chloroethylvinyl Ether	U	U	ug/L	0.76	2.28	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Dibromomethane	U	U	ug/L	0.37	1.11	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Cis-1,3-Dichloropropene	U	U	ug/L	0.41	1.23	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Toluene	U	U	ug/L	0.31	0.93	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Trans-1,3-Dichloropropene	U	U	ug/L	0.28	0.84	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,1,2-Trichloroethane	U	U	ug/L	0.46	1.38	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,3-Dichloropropane	U	U	ug/L	0.46	1.38	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Tetrachloroethene	U	U	ug/L	0.42	1.26	5030/8260B	10/11 18:24	10/11 18:24	MAZ

**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

Page 14 of 17  
 Report Printed: 10/12/11  
 Submission # 1110000180  
 Order # 84275

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Water

**Sample I.D.:** TMW-2  
**Collected:** 10/05/11 13:30  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Dibromochloromethane	U	U	ug/L	0.30	0.90	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,2-Dibromoethane (EDB)	U	U	ug/L	0.25	0.75	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Bromobenzene	U	U	ug/L	0.40	1.20	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Chlorobenzene	U	U	ug/L	0.34	1.02	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Ethylbenzene	U	U	ug/L	0.42	1.26	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,1,1,2-Tetrachloroethane	U	U	ug/L	0.15	0.45	5030/8260B	10/11 18:24	10/11 18:24	MAZ
m & p-Xylene	U	U	ug/L	0.80	2.40	5030/8260B	10/11 18:24	10/11 18:24	MAZ
o-Xylene	U	U	ug/L	0.32	0.96	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Styrene	U	U	ug/L	0.31	0.93	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Isopropylbenzene	U	U	ug/L	0.38	1.14	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Bromoform	U	U	ug/L	0.16	0.48	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,1,1,2-Tetrachloroethane	U	U	ug/L	0.14	0.42	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,2,3-Trichloropropane	U	U	ug/L	0.22	0.66	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,3,5-Trimethylbenzene	U	U	ug/L	0.38	1.14	5030/8260B	10/11 18:24	10/11 18:24	MAZ
2-Chlorotoluene	U	U	ug/L	0.38	1.14	5030/8260B	10/11 18:24	10/11 18:24	MAZ
4-Chlorotoluene	U	U	ug/L	0.33	0.99	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Tert-Butylbenzene	U	U	ug/L	0.40	1.20	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,2,4-Trimethylbenzene	U	U	ug/L	0.38	1.14	5030/8260B	10/11 18:24	10/11 18:24	MAZ

Report To:  
Adam Brosius  
EE&G Environmental Svcs-Miami  
5751 Miami Lakes Drive  
Miami Lakes, FL 33014

Page 15 of 17  
Report Printed: 10/12/11  
Submission # 1110000180  
Order # 84275

Project: Vacant Property (2011-3183)  
Site Location: 9901 Gladiolus Dr., Fort Myers, FL  
Matrix: Water

Sample I.D.: TMW-2  
Collected: 10/05/11 13:30  
Received: 10/06/11 13:55  
Collected by: Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Sec-Butylbenzene	U	U	ug/L	0.45	1.35	5030/8260B	10/11 18:24	10/11 18:24	MAZ
P-Isopropyltoluene	U	U	ug/L	0.41	1.23	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,3-Dichlorobenzene	U	U	ug/L	0.40	1.20	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,4-Dichlorobenzene	U	U	ug/L	0.39	1.17	5030/8260B	10/11 18:24	10/11 18:24	MAZ
n-Butylbenzene	U	U	ug/L	0.34	1.02	5030/8260B	10/11 18:24	10/11 18:24	MAZ
n-PropylBenzene	U	U	ug/L	0.39	1.17	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,2-Dichlorobenzene	U	U	ug/L	0.30	0.90	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,2-Dibromo-3-Chloropropane (DBCP)	U	U	ug/L	0.17	0.51	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,2,4-Trichlorobenzene	U	U	ug/L	0.23	0.69	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Hexachlorobutadiene	U	U	ug/L	0.47	1.41	5030/8260B	10/11 18:24	10/11 18:24	MAZ
Naphthalene	U	U	ug/L	0.24	0.72	5030/8260B	10/11 18:24	10/11 18:24	MAZ
1,2,3-Trichlorobenzene	U	U	ug/L	0.28	0.84	5030/8260B	10/11 18:24	10/11 18:24	MAZ
<b>8270D PAHs in WATER by GC/MS</b>						Dilution Factor = 1			
Naphthalene	U	U	ug/L	0.027	0.081	8270D	10/07 14:49	10/07 17:49	AC
2-Methylnaphthalene	U	U	ug/L	0.036	0.108	8270D	10/07 14:49	10/07 17:49	AC
1-Methylnaphthalene	U	U	ug/L	0.020	0.060	8270D	10/07 14:49	10/07 17:49	AC
Acenaphthene	U	U	ug/L	0.008	0.024	8270D	10/07 14:49	10/07 17:49	AC
Phenanthrene	U	U	ug/L	0.013	0.039	8270D	10/07 14:49	10/07 17:49	AC

**Report To:**  
Adam Brosius  
EE&G Environmental Svcs-Miami  
5751 Miami Lakes Drive  
Miami Lakes, FL 33014

Page 16 of 17  
**Report Printed:** 10/12/11  
**Submission #** 1110000180  
**Order #** 84275

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Water

**Sample I.D.:** TMW-2  
**Collected:** 10/05/11 13:30  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Fluoranthene	U	U	ug/L	0.004	0.012	8270D	10/07 14:49	10/07 17:49	AC
Benzo(a)anthracene	U	U	ug/L	0.004	0.012	8270D	10/07 14:49	10/07 17:49	AC
Benzo(b)fluoranthene	U	U	ug/L	0.008	0.024	8270D	10/07 14:49	10/07 17:49	AC
Benzo(a)pyrene	U	U	ug/L	0.006	0.018	8270D	10/07 14:49	10/07 17:49	AC
Benzo(ghi)perylene	U	U	ug/L	0.007	0.021	8270D	10/07 14:49	10/07 17:49	AC
Acenaphthylene	U	U	ug/L	0.006	0.018	8270D	10/07 14:49	10/07 17:49	AC
Fluorene	U	U	ug/L	0.008	0.024	8270D	10/07 14:49	10/07 17:49	AC
Anthracene	U	U	ug/L	0.006	0.018	8270D	10/07 14:49	10/07 17:49	AC
Pyrene	U	U	ug/L	0.011	0.033	8270D	10/07 14:49	10/07 17:49	AC
Chrysene	U	U	ug/L	0.004	0.012	8270D	10/07 14:49	10/07 17:49	AC
Benzo(k)fluoranthene	U	U	ug/L	0.003	0.009	8270D	10/07 14:49	10/07 17:49	AC
Indeno(1,2,3-cd)pyrene	U	U	ug/L	0.011	0.033	8270D	10/07 14:49	10/07 17:49	AC
Dibenzo(a,h)anthracene	U	U	ug/L	0.004	0.012	8270D	10/07 14:49	10/07 17:49	AC
<b>FL-PRO (Petroleum Residual Organic Totals)-WATER</b>				<b>Dilution Factor = 1</b>					

**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

Page 17 of 17  
**Report Printed:** 10/12/11  
**Submission #** 1110000180  
**Order #** 84275

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr., Fort Myers, FL  
**Matrix:** Water

**Sample I.D.:** TMW-2  
**Collected:** 10/05/11 13:30  
**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
TOTAL PRO (C8-C40)	U	U	mg/L	0.07	0.21	FL-PRO	10/07 08:51	10/07 23:19	AC

Unless indicated, soil results are reported based on actual (wet) weight basis.

Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to this sample.  
 QC=Qualifier Codes as defined by DEP 62-160  
 U=Analyzed for but not detected.  
 Q=Sample held beyond accepted holding time.  
 I=Value is between MDL and PQL.  
 J=Estimated value.



Authorized CSM Signature (954) 978-6400  
 Florida-Spectrum Environmental Services, Inc.  
 Certification # E86006

**SUBMISSION #**  
110-100

Logged in LIMS by NR  
CSM assigned NR



**CHAIN OF CUSTODY RECORD**

1460 W. McNab Road Ft. Laud., FL 33309  
 630 Indian Street Savannah, GA 31401  
 528 Gooch Road Fort Meade, FL 33841  
 610 Parrot Ave. N, Okeechobee, FL 34972

Tel: (954) 978-6400  
 Tel: (912) 238-5050  
 Tel: (863) 285-8145  
 Tel: (863) 763-3336

**DUE DATE Requested**  
10-19-11  
**RUSH RESERVATION #**

Report to: EE+G Purchase Order # 5351 Miami Lakes Dr.  
 Invoice to: EE+G Address: Miami Lakes, FL 33014  
 (company name)

Project Name: Vacant Property (2011-3183) Site Location: 9901 Alsdorfs Dr, Ft. Myers, FL  
 and/or Number: Adam Brosius Phone: 305-374-8300 Fax: 305-374-9004 Email: J. Lathrop  
 Project Contact: Adam Brosius Affiliation: EE+G 305-322-2002

ORDER # Take Lathrop Sample ID GP-1 Date Sampled 10-05 Time Sampled 1020 Matrix GW Bottle & Pres. 25X Number of Containers Received & NELAC Letter Suffixes 2 Sampler Signature J. Lathrop

Lab Control Number	Sample ID	Date Sampled	Time Sampled	Matrix	Bottle & Pres. Combo Codes	#	Analysis Required	Field Tests									
								T	P	C							
1	84 209	10-05	1020	GW	25X	2	T-As	Archive	PAH-8270	FL PRO	VOL-8240						
2	84 270		1040				✓	✓									
3	84 271		1105				✓	✓									
4	84 278		1125				✓	✓									
5	84 273		1150				✓	✓									
6	84 274		1245				✓	✓									
7	84 275		1330				✓	✓									
8																	
9																	
10																	

Special Comments: 9 valve NEIAC protocol (sign here) >

Deliverables: QA/QC Report Needed? Yes  No  (additional charge)

Sample Custody & Field Comments

Temp as received 4 Y  N  C

Custody seals? 4 Y  N  C

FIELD TIME: 10/11/11 13:55 hrs

Sampling 10/11/11 13:55 hrs

Pick-Up 10/11/11 13:55 hrs

Misc. Charges 10/11/11 13:55 hrs

A-liter amber B-Bacteria bag/bottle O-125 ml  
 F-500 ml I-liter bottle  
 S4-4 oz soil jar / S8-8 oz soil jar  
 T-250 ml V-40 ml vial  
 W-wide mouth TED-Tedlar Air Bag  
 X-other Additional Bottle Types  
 B-brown liter plastic

Preservatives: A-ascorbic acid C-HCL OI-OUSO4 H-HNO3 M-MCAB Z-zinc acetate  
 P-H3PO4 S-H2SO4 T-NA2S2O3 U-Umpreserved N-NaOH NH4-NH4CL  
 Additional Preservatives: Hex-Hex Cr Buffer EDA-Ethylene Diamine

Signature: J. Lathrop Affiliation: EE+G Date/Time: 10-06-11/1240

Relinquished by: J. Lathrop Date/Time: 10-06-11/1240

Received by: [Signature] Date/Time: 10/11/11 13:55

Relinquished by: [Signature] Date/Time: 10/11/11 13:55

Received by: [Signature] Date/Time: 10/11/11 13:55

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**Report To:**  
 Adam Brosius  
 EE&G Environmental Svcs-Miami  
 5751 Miami Lakes Drive  
 Miami Lakes, FL 33014

**Page 1 of 1**  
**Report Printed:** 10/17/11  
**Submission #** 1110000384

**Project:** Vacant Property (2011-3183)  
**Site Location:** 9901 Gladiolus Dr, Ft. Myers, FL

**Received:** 10/06/11 13:55  
**Collected by:** Jake Lathrop

**LABORATORY ANALYSIS REPORT**

Arsenic, Dissolved												
SAMPLE ID	Date	Time	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST	
GP-2	10/05/11	10:40	0.018		mg/L	0.0012	0.0036	200.7	10/13	10/13 14:08	IMN	
GP-3	10/05/11	11:05	0.011		mg/L	0.0012	0.0036	200.7	10/13	10/13 14:12	IMN	
GP-5	10/05/11	11:50	0.023		mg/L	0.0012	0.0036	200.7	10/13	10/13 14:22	IMN	

Unless indicated, soil results are reported based on actual (wet) weight basis.  
 Analytes not currently NELAC certified denoted by ~.  
 Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.  
 Results relate only to the samples.  
 QC=Qualifier Codes as defined by DEP 62-160  
 U= Analyzed for but not detected.  
 Q= Sample held beyond acceptable holding time.  
 I=Value is between MDL and PQL.  
 J=Estimated value.

  
 Authorized CSM Signature  
 Florida-Spectrum Environmental Services, Inc.  
 Certification # E86006

Florida-Spectrum Environmental Services, Inc.  
 1460 W. McNab Road, Fort Lauderdale, FL 33309

Pembroke Laboratory  
 528 Gooch Rd.  
 Fort Meade, FL 33841

Big Lake Laboratory  
 610 North Parrot Ave.  
 Okeechobee, FL 34972

Spectrum Laboratories  
 630 Indian St.  
 Savannah, GA 31401

[www.flenviro.com](http://www.flenviro.com)

SUBMISSION # 110-384



- 1460 W. McNab Road Ft. Landi, FL 33309
- 630 Indian Street Savannah, GA 31401
- 578 Gooch Road Fort Meade, FL 33841
- 610 Parrot Ave N. Okeechobee, FL 34972

**CHAIN OF CUSTODY RECORD**

Tel: (954) 978-6400  
 Tel: (912) 238-5050  
 Tel: (863) 285-8145  
 Tel: (863) 763-3336

Fax: (954) 978-2233  
 Fax: (912) 234-4815  
 Fax: (863) 285-7030  
 Fax: (863) 763-1544

**DUE DATE Requested**  
 10/17/11

**RUSH RESERVATION #**  
 15214435

*Kath Sanchez Zayas apply*

Report to: **EEETG**  
 Invoice to: **EEETG**  
 (company name)  
 Project Name: **Vscont Property (2011-2183)**  
 and/or Number  
 Project: **Adam Brosius**  
 Contact: **Adam Brosius** Phone: **305-374-8300**  
 Sample Name: **Take Lathrop** Affiliation: **EEETG 305-322-2002**  
 (printed)

Report to Address: **5751 Miami Lakes Dr.**  
 Invoice to Address: **Miami Lakes, FL 33014**  
 Site Location: **9901 Gladfolds Dr, Ft. Myers, FL**  
 Fax: **305-374-9004** Email:

ORDER # Lab Control Number	Sample ID	Date Sampled	Time Sampled	Matrix			Bottle & Pres. Combo Codes	Number of Containers Received & NETAC Letter Studies A-?	Analysis Required				Field Tests					
				DW	SW	HW			S SED	SEA	X AIR	PAH	PCB	VOC	THAL	TEMP	PH	COND
1	CP-1	10-05-2011	1020	GW				2	T-AF	Archival	PAH-8270	FL-PRO	VOC-8260	THAL				
2	GA-2		1040					1										
3	GA-3		1105					1										
4	GA-4		1125					1										
5	GA-5		1150					1										
6	THW-1		1245					1										
7	THW-2		1530					1										
8																		
9																		
10																		

Special Comments: **9 waive NETAC protocol" (sign here) >**

Deliverables: **QA/QC Report Needed?** Yes No (additional charge)

Signature: **J. Lathrop** Affiliation: **EEETG** Date/Time: **10-06-11/1240**

Received by: **[Signature]** Date/Time: **10/6/11 1240**

Relinquished by: **[Signature]** Date/Time: **10/6/11 1355**

Relinquished by: **[Signature]** Date/Time: **10/6/11 1355**

Received by: **[Signature]** Date/Time: **10/6/11 1355**

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## Maria Castellanos

---

**From:** Adam Brosius [ABrosius@eeandg.com]

**Sent:** Thursday, October 13, 2011 11:16 AM

**To:** Maria Castellanos

**Cc:** Craig C. Clevenger

**Subject:** RE: Vacant Property

Thanks Maria.

Please remove GP-2, GP-3 and GP-5 from the archive and analyze for dissolved arsenic. Please shoot for a Monday TAT.

Thank you. Have a nice day too!

Adam B. Brosius  
Senior Project Professional  
EE&G Environmental Services, LLC  
5751 Miami Lakes Drive  
Miami Lakes, FL 33014  
Ph: 305.374.8300  
Fax: 305.374.9004  
Mobile: 305.710.7014  
[abrosius@eeandg.com](mailto:abrosius@eeandg.com)

---

**From:** Maria Casellanos [mailto:m.castellanos@flenviro.com]

**Sent:** Wednesday, October 12, 2011 4:58 PM

**To:** Adam Brosius

**Cc:** Craig C. Clevenger

**Subject:** Vacant Property

Hello Adam,  
This report is now completed.  
Have a good one!

Maria E. Castellanos – CSM Director  
Florida Environmental Services, Inc.  
1460 West McNab Road  
Fort Lauderdale, FL 33309  
[m.castellanos@flenviro.com](mailto:m.castellanos@flenviro.com)

(O) 954-978-6400

(F) 954-978-2233

**APPENDIX B**

**PROPOSED REDEVELOPMENT PLAN**

RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS  
OF LEE COUNTY, FLORIDA

WHEREAS, an application was filed by the property owner, Gladiolus K & R Partners, LLC, 10± acres from Agricultural (AG-2) to Commercial Planned Development (CPD), in reference to The Villages on Gladiolus; and,

WHEREAS, a public hearing was advertised and held on April 9, 2009, before the Lee County Zoning Hearing Examiner, who gave full consideration to the evidence in the record for Case #DCI2006-00102; and

WHEREAS, a second public hearing was advertised and held on June 29, 2009, before the Lee County Board of Commissioners, who gave full and complete consideration to the recommendations of the staff, the Hearing Examiner, the documents on record and the testimony of all interested persons.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS:

SECTION A. REQUEST

The applicant filed a request to rezone 10± acres from AG-2 to CPD with a maximum of 29,999 square feet of commercial retail, 128,000 square feet of office; or 29,999 square feet commercial retail, 78,000 square feet office and 120-unit hotel. Maximum height requested is two (2) stories/35 feet for office and retail and four (4) stories/50 feet for a hotel. No development blasting is requested. The development will connect to public potable water and sanitary sewer service. The property is located in the Urban Community Land Use Category and is legally described in attached Exhibit A. The request is APPROVED, SUBJECT TO the conditions and deviations specified in Sections B and C below.

SECTION B. CONDITIONS:

All references to uses are as defined or listed in the Lee County Land Development Code (LDC).

1. The development of this project must be consistent with the 1-page Master Concept Plan (MCP) entitled "MASTER CONCEPT PLAN, GLADIOLUS VILLAGE" date-stamped "Received Jul 07 2009 Community Development," attached hereto as Exhibit C, except as modified by the conditions below.

This development must comply with all requirements of the LDC at time of local development order approval, except as may be granted by deviation as part of this planned development. If changes to the MCP are subsequently pursued, appropriate approvals will be necessary.