PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

Taylor Nursery
907 63rd Avenue East
Bradenton, Manatee County, Florida

GLE Project Number: 10310-00099

Prepared for

Mr. John Rowland
Construction Coordinator
Manatee County Property Management
Construction Services
1112 Manatee Avenue West
Bradenton, Florida 34205

September 17, 2010

Prepared by:

GLE

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Conducted on

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Bradenton, Manatee County, Florida

GLE Project Number: 10310-00099

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Mr. John Rowland
Construction Coordinator
Manatee County Property Management
Construction Services
1112 Manatee Avenue West
Bradenton, Florida 34205

Issue Date: September 16, 2010

Michael Madonna
Sr. Project Manager

Signature

Paul R. Belyea, PG
Florida Registration No. PG174
Director of Environmental Sciences
& Engineering

9-16-10

Signature

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1.0 INTRODUCTION

GLE prepared a Phase I Environmental Site Assessment (ESA) for the Taylor Nursery facility located at 907 63rd Avenue East, Bradenton, Manatee County, Florida (the "Property"), GLE Project #10310-00099, dated June 10, 2010. **Figure A-1 and Figure A-2** in **Appendix A** show the location of the Property. The Phase I ESA revealed evidence of Recognized Environmental Conditions (RECs) in connection with the Property, in the form of the historic use at the Property as an ornamental plant and nursery facility from at least 1975 to date. During this time period pesticides and herbicides have been applied at the Property on an as needed basis. The application of pesticides and herbicides represents a risk of impact to the soil and groundwater at the Property. Based on site observations and information provided by Mr. Greg Taylor, the Property owner, a fuel oil aboveground storage tank (AST) was previously associated with the former dwelling structure located on the south-central portion of the Property. Although not regulated, a former fuel oil release represents a risk of impact to the soil and groundwater at the Property.

In light of the findings of the Phase I ESA, GLE was requested by the Client to submit a cost proposal to perform a Limited Phase II ESA with respect to the aforementioned on-site RECs. It is our understanding that the proposed limited Phase II ESA is being performed in an effort to assist Manatee County with evaluating potential environmental risks associated with the Property prior to acquisition. The Limited Phase II ESA being performed was not intended for regulatory compliance purposes. As such, GLE proposed to complete a limited soil boring, soil sampling, and groundwater sampling event through the use of hand auger sample collection techniques and through the installation of temporary groundwater monitoring wells at the above referenced site.

The objectives of this Limited Phase II Environmental Site Assessment were to:

- **Investigate the former fuel oil AST location for potential impacts associated with a former fuel oil release. Investigate random areas throughout the nursery facility for potential impacts originating from the use of pesticides and herbicides, which are applied on an as needed basis. (Confirmation groundwater sampling for arsenic was also conducted based on temporary groundwater sample analytical results).**

2.0 INVESTIGATIVE METHODOLOGIES

2.1 Soil Investigative Methodologies

GLE personnel conducted the soil boring investigations on August 16, 2010. The soil boring investigation consisted of using a stainless steel hand auger for visual inspection and organic vapor screening using a MicroFID organic vapor analyzer (OVA), equipped with a flame ionization detector (FID). The hand auger was decontaminated using Liquinox™ soap and water rinse prior to advancing each environmental soil boring.

A total of fourteen (14) soil borings were advanced during this assessment. Discrete soil samples were collected at the surface, one and two foot depth intervals. Black to Brown, gray and tan, fine sand soil was encountered from land surface down to approximately five feet below land surface (ft-bls) at the majority of the soil borings advanced during this assessment. The depth to the Surficial Aquifer groundwater table was noted at approximately 2 to 4 feet below land surface (ft-bls) during the well installation activities.

Organic vapor field screening of collected soil samples was conducted using the OVA. The select soil samples collected were screened by placing the soil into 16-ounce glass containers, leaving half of the container empty, capping the containers with aluminum foil, setting aside for approximately ten minutes, and then placing the OVA's probe into the headspace of the sample jars. The headspace inside the containers of each sample was analyzed using the OVA with temperature maintained between 20° Celsius (C) and 32° C. Please refer to **Appendix B** for the soil boring and field OVA sample collection logs. Results of the organic vapor screening for soils collected from the fourteen (14) soil boring locations are summarized in **Table 1**.

In addition to the OVA screening activities, GLE collected a total of six (6) soil samples for laboratory analysis. Specifically, one (1) soil sample (HA-1) was collected at 0.5 ft-bls from the approximate location of the former fuel oil AST, previously located at the northwest corner of the onsite building structure. Five (5) additional soil samples (SS-1 through SS-5) were collected at 0.5 ft-bls, and from various locations and soil borings advanced at the Property. Please refer to **Figure A-3** in **Appendix A** for the approximate soil boring and soil sample locations. The soils samples were collected from the following locations on the Property:

(1) HA-1 was collected at the northwest corner of the onsite building located on the south-central portion of the Property.

(2) SS-1 was collected at the location of HA-4, which was advanced on the west-southwest portion of the Property. Note: HA-4 was advanced to the northwest of the onsite building referenced above and at an apparent (graded soil) stormwater drainage collection area.

(3) SS-2 was collected at the location of HA-5, which was advanced adjacent to the west of the onsite irrigation water well, which is located on the central portion of the Property.

(4) SS-3 was collected at the location of HA-10, which was advanced within the depression/pond area, which was reported as being previously filled in with horticulture debris. The depression/pond area was reported located on the north portion of the Property. It should be noted that refusal conditions (apparent horticulture/nursery material debris, etc.) were encountered at soil boring

locations HA-8 and HA-9, advanced in the approximate location of the depression/pond area referenced above, as well as in close proximity to the east of HA-10, referenced above. Please note the extent of the discarded/buried debris was not determined.

(5) SS-4 was collected at the location of HA-12, which was advanced on the north-central portion of the Property, and approximately equidistant between the locations of HA-5 and HA-10, referenced above.

(6) SS-5 was collected at the location of HA-11, which was advanced on the northeast portion of the Property.

The representative soil samples, once collected, were immediately placed on wet ice and submitted under strict chain-of-custody (COC) to SunLabs, Inc. (SunLabs) located in Tampa, Florida on August 17, 2010. HA-1 soil sample was analyzed for the petroleum contaminants of concern including volatile organic aromatics (VOA) by EPA Method 8260, Low Level Polynuclear Aromatic Hydrocarbons (L.L. PAHs) by EPA Method 8270 and Total Recoverable Petroleum Hydrocarbons (TRPH) by the Florida Petroleum Range Organics (FL PRO) method. The five (5) additional soil samples (SS-1 through SS-5) were analyzed for chlorinated pesticides by EPA Method 8081, chlorinated herbicides by EPA Method 8151, organophosphorus pesticides by EPA Method 8270, and specific heavy metals including arsenic, cadmium and chromium by EPA Method 6010.

2.2 Groundwater Investigative Methodologies

On August 16, 2010, GLE installed four (4) temporary groundwater monitoring wells (TMW-01 through TMW-04) at the site. The temporary groundwater monitoring wells installed during this assessment consisted of a 5-foot section, pre-packed, 0.10-inch slotted well screen, installed into the top of the water table. The temporary monitoring wells were installed in the following locations:

(1) TMW-01 was installed at the location of HA-1 and at the approximate location of the former fuel oil AST, which was previously located at the northwest corner of the onsite building, located on the south-central portion of the Property.

(2) TMW-02 was installed at HA-5, which was advanced adjoining to the west of the onsite irrigation water well, which is located on the central portion of the Property.

(3) TMW-03 was installed at HA-10, which was advanced on the north-central portion of the Property and in the approximate location of the depression/pond area that was reported as being previously filled in with horticulture debris.

(4) TMW-04 was installed at HA-12, which was advanced on the north-central portion of the Property and approximately equidistant between HA-5/TMW-2 and HA-10/TMW-3, referenced above.

Figure A-3 in **Appendix A** shows the locations of the temporary monitoring wells installed at the Property during this Phase II ESA. At that time, moist soil conditions were identified at approximately 1.5-feet below land surface (ft-bls). In addition, the depth to the Surficial Aquifer groundwater table was noted at approximately 2.5 ft-bls during the well installation activities.

Following installation, each newly installed temporary groundwater monitoring well was continuously developed until the development water produced exhibited limited fine grained sediment, utilizing a peristaltic pump. The monitoring wells were then purged for sample collection using a peristaltic pump equipped with virgin silicone pump head tubing and virgin polyethylene down-well tubing. The purge activities continued until the well water appeared to be totally free from fine grain sediment. The monitor wells were then sampled in general accordance with FDEP Standard Operating Procedure (SOP) FS 2200. Upon stabilization representative groundwater samples were collected from the four (4) temporary groundwater monitoring wells. The groundwater produced during sample collection appeared to be nearly clear, with low turbidity readings recorded at each temporary well location. However, during the sampling activities conducted at TMW-03, specifically, the total metals sample collected was observed with fine sediment and also slightly brown in color/appearance in the sample container. Therefore, as proposed by GLE, a filtered metals sample was collected utilizing a 1-micron in-line filter prior to sample preservation.

The groundwater samples were collected into appropriate laboratory provided containers, immediately placed on wet ice and delivered to SunLabs under strict chain of custody for standard turn around time laboratory analysis. The representative groundwater samples collected from TMW-01 were analyzed for the petroleum contaminants of concern and analytical methods referenced above. The representative groundwater samples collected from TMW-02, TMW-03 and TMW-04 were analyzed for the chlorinated pesticides by EPA Method 8081, chlorinated herbicides by EPA Method 8151/8321, and organophosphorus pesticides by EPA Method 8141/8270, and the RCRA metals including arsenic, cadmium and chromium. As noted above, due to apparent sediment in the groundwater purged and collected from TMW-03, a filtered metals sample was also collected in the field utilizing a 1-micron filter, prior to field preservation and in accordance with SOP FS 2200. Please refer to **Appendix B** for the groundwater sampling collection logs.

Based on the review of the groundwater analytical results for groundwater samples collected from TMW-02, arsenic was reported at 61 micrograms per liter (µg/L) or 0.061 milligrams per liter (mg/L), which is above the applicable Groundwater Cleanup target Level (GCTL) of 10 µg/L or 0.01 mg/L, respectively. Therefore, GLE recommended that

a permanent groundwater monitoring well be advanced at the location of TMW-02 for the collection of confirmation groundwater samples for the analysis of arsenic only. Following authorization from MC regarding Change Order #2, one (1) permanent groundwater monitoring well was installed on the Property on September 8, 2010, at the location of TMW-02. Please refer to **Appendix B** for the Well Construction and Development Log. Applicable well installation permits will be provided once received from the well installation contractor. A representative groundwater sample was collected and a subsequent duplicate groundwater sample was collected from MW-01 on September 10, 2010. Please refer to **Appendix B** for the groundwater sample collection log. The analytical results for the confirmation samples collected from MW-01 are presented below in **Section 3.2**.

3.0 RESULTS OF INVESTIGATIVE METHODOLOGIES

3.1 Results of Soil Investigation

The lithology of the site consists of black, brown, gray and tan, fine sand from land surface to approximately five (5) ft-bls in the majority of the soil borings advanced during this limited Phase II ESA. In addition, the Surficial Aquifer groundwater table was identified at a depth of approximately 2 ft-bls. Furthermore, one (1) soil boring was advanced to approximately twelve (12) feet bls at the time of the permanent groundwater monitoring well installation activities, which were conducted on September 8, 2010. Soil from approximately 5 ft-bls to approximately seven ft-bls consisted of tan brown sandy clay soil, with shell material. Brown fine sand with root material was identified from approximate 7 ft-bls to approximately 9 ft-bls. Tan fine sand with shell material was encountered from approximately 9 ft-bls to the boring completion depth of approximately 12 ft-bls.

No visual or olfactory indications of contamination (i.e., odors, streaking etc.) were identified within the borings at the time of the investigation. In addition, the majority of the net OVA readings for discrete depth soil samples screened during the Phase II ESA were less than 10 PPM. However, specific hand auger soil borings including HA-08, HA-10 and HA-12, were reported with net OVA readings above 10 ppm during this assessment. Specifically, HA-08 was reported with a net OVA reading of 10.4 ppm at approximately 2.5 ft-bls. Please note refusal was encountered at this boring location and depth referenced above. Refusal was also encountered at HA-09 during this assessment. HA-10 was reported with net OVA reading of 45 ppm at approximately 3 ft-bls. Debris and roots were encountered at this boring location. HA-12 was reported with net OVA reading of 520 at approximately 2 ft-bls and was also noted with an organic content and organic odor at the time of this assessment. The FID data is summarized in **Table 1** in **Appendix A**, and is presented on the Soil Boring Logs in **Appendix B**.

3.1.1 Soil Analytical Results

The results of the analyses performed on the soil samples HA-1 and SS-1 through SS-5 indicated the following:

3.1.2 Soil Results from HA-1/6"

- No VOA constituents were reported above their respective laboratory detection limts in HA-1. TRPH was reported at 7.9 milligrams per kilogram (mg/kg), which is below the applicable Residential Direct Exposure Soil Clanup Target Level (SCTL) of 460 mg/kg. The reported concentration for TRPH in this soil sample is below the applicable Leachability Based on Groundwater Criteria concentration limit of 340 mg/kg. Specific L.L. PAHs were reported above their applicable laboratory detection limits including anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, phenanthrene and pyrene. The reported concentrations for respective constituents referenced above, were all reported below their applicable SCTLs during this assessment, as well as their respective Leachability Based on Groundwater Criteria concentration limits. Please refer to **Appendix A, Table 2** the **Soil Analytical Summary Table,** as well as the applicable **Benzo(a)pyrene Equivalent Compound Conversion Table,** which were completed for HA-1.

3.1.3 Soil Results from HA-4/SS-1/6"

- No organophsphorus pesticides and no chlorinated herbicides were reported above their respective laboratory detection limits/Method Detection Limits (MDL) in soil sample SS-1/6". However, a-chlordane was reported at 0.069 mg/kg and g-chlordane was reported at 0.070 mg/kg. In addition, chlordane, technical was reported at 0.33 mg/kg. The reported concentrations for chlordane referenced above, are all below the applicable Residential Direct Exsposure SCTL of 2.8 mg/kg, as well as the applicable Leachability Based on Groundwater Criteria concentration limit of 9.6 mg/kg.

- Arsenic was reported 1.5 mg/kg, which is below its respective Residential Direct Exposure SCTL of 2.1 mg/kg. Please note SPLP analysis is required to determine the Leachability concentration limit of arsenic with respect to groundwater, which was not conducted during this assessment. Cadmium was reported at 0.091 mg/kg, which is below its respective Residential Direct Exposure SCTL of 82 mg/kg and the applicable Leachability Based on Groundwater Criteria concentratuion limit of 7.5 mg.kg. In addition, chromium was reported at 8.8 mg/kg, which is below its respective Residential Direct Exposure SCTL of 210 mg/kg and the applicable Leachability Based on Groundwater Criteria concentration limit of 38 mg/kg.

3.1.4 Soil Results from HA-5/SS-2/6"

- No organophsphorus pesticides and no chlorinated herbicides were reported above their respective laboratory detection limits/MDLs in soil sample SS-2/6". However, a-chlordane was reported at 0.023 mg/kg and g-chlordane was reported at 0.013 mg/kg. In addition, chlordane, technical was reported at 0.17 mg/kg. The reported concentrations for chlordane referenced above are all below the applicable Residential Direct Exsposure SCTL of 2.8 mg/kg as well as the applicable Leachability Based on Groundwater Criteria concentration limit of 9.6 mg/kg.

- Arsenic was reported above laboratory detection limits with a concentration of 1.8 mg/kg, which is below its respective Residential Direct Exposure SCTL of 2.1 mg/kg. SPLP analysis is required to determine the Leachability concentration limit of arsenic with respect to groundwater, which was not conducted during this assessment. Chromium was reported at 7.4 mg/kg, which is below its respective Residential Direct Exposure SCTL of 210 mg/kg and the applicable Leachability Based on Groundwater Criteria concentration limit of 38 mg/kg.

3.1.5 Soil Results from HA-10/SS-3/6"

- No organochlorine pesticides, no organophsphorus pesticides and no chlorinated herbicides, were reported above their respective laboratory detection limits/MDLs, in soil sample SS-3/6".

- Arsenic was reported above laboratory detection limits with a concentration of 0.67 mg/kg, which is below its respective Residential Direct Exposure SCTL of 2.1 mg/kg. SPLP analysis is required to determine the Leachability concentration limit of arsenic with respect to groundwater, which was not conducted during this assessment. Chromium was reported at 4.8 mg/kg, which is below its respective Residential Direct Exposure SCTL of 210 mg/kg and the applicable Leachability Based on Groundwater Criteria concentration limit of 38 mg/kg.

3.1.6 Soil Results from HA-12/SS-4/6"

- No organochlorine pesticides, no organophsphorus pesticides and no chlorinated herbicides, were reported above their respective laboratory detection limits/MDLs, in soil sample, in soil sample SS-4/6".

- Arsenic and cadmium were reported below their respective laboratory detection limits during this assessment in soil sample SS-4/6". However, chromium was reported at 7.6 mg/kg, which is below its respective Residential Direct Exposure SCTL of 210 mg/kg and the applicable Leachability Based on Groundwater Criteria concentration limit of 38 mg/kg.

3.1.7 Soil Results from HA-11/SS-5/6"

- No organochlorine pesticides, no organophsphorus pesticides and no chlorinated herbicides, were reported above their respective laboratory detection limits/MDLs, in soil sample, in soil sample SS-5/6".

- Arsenic was reported above laboratory detection limits with a concentration of 1.7 mg/kg, which is below its respective Residential Direct Exposure SCTL of 2.1 mg/kg. SPLP analysis is required to determine the Leachability concentration limit of arsenic with respect to groundwater, which was not conducted during this assessment. Chromium was reported at 4.2 mg/kg, which is below its respective Residential Direct Exposure SCTL of 210 mg/kg and the applicable Leachability Based on Groundwater Criteria concentration limit of 38 mg/kg.

It should be noted that although specific herbicide compounds including Dinoseb, MCPA and MCPP were **not** reported above their respective laboratory detection limits/Method Detection Limits (MDLs) for soil samples SS-1 through SS-5 at the time of sample analysis; the laboratory detection limits/MDLs reported for respective compounds are above their respective Leachability Based on Groundwater Criteria concentrations as per Chapter 62-770 F.A.C. The laboratory method detection limits for the analytical Method 8151 is limited for specific constituents including but not limited to those constituents referenced above. The analytical method detection limits and reported concentrations in these samples as non-detect are considered valid in this situation. In addition, based on the review of the analytical data for groundwater samples collected from TMW-2, TMW-3 and TMW-4, the herbicide compounds referenced above were not reported above the laboratory detection limits/MDLs or Groundwater Cleanup Target Levels (GCTLs) during this assessment.

It should be noted that although specific organophosphorous pesticide compounds including Dichlorvos, Dicrotophos, Dimethoate, and Ethoprop were **not** reported above their respective laboratory detection limits/MDLs for soil samples SS-1 through SS-5 at the time of sample analysis; the laboratory detection limits/MDLs reported for respective compounds are above their respective Leachability Based on Groundwater Criteria concentrations. The laboratory method detection limits for analytical Methods 8270 is limited for specific constituents including but not limited to those constituents referenced above. The analytical method detection limits and reported concentrations in these samples as non-detect are considered valid in this situation. In addition, based on the review of the analytical data for groundwater samples collected from TMW-02, TMW-03 and TMW-04, the pesticide compounds referenced above were not reported above the laboratory detection limits/MDLs or GCTLs during this assessment.

The soil analytical results are summarized in **Table 3** in **Appendix A** and the complete laboratory analytical report data is presented in **Appendix C.**

3.2 Results of Groundwater Investigation

3.2.1 Groundwater Analytical Results

The results of the analyses performed on the groundwater samples collected from TMW-01 through TMW-04 as well as permanent groundwater monitoring well MW-01 (advanced at the location of TMW-02) indicated the following:

3.2.2 Analytical Results from TMW-01

- No petroleum constituents of concern (VOA, L.L. PAHs or TRPH) were reported above their respective laboratory detection limits or applicable GCTLs in the groundwater samples collected from TMW-01.

3.2.3 Analytical Results from TMW-02

- No organophsphorus pesticides, or chlorinated herbicides were reported above their respective laboratory detection limits or applicable GCTLs, in temporary monitoring well TMW-02. However, d-BHC was reported at 0.013 micrograms per liter (µg/L), which is below the applicable GCTL of 2.1 µg/L. In addition, g-chlordane was reported at 0.0098 µg/L, which is below the applicable GCTL of 2 µg/L.

- Total arsenic was reported at 61 µg/L in TMW-2. The reported concentration for total arsenic in TMW-02 is above the applicable GCTL of 10 µg/L, at this time, however is below the Natural Attenuation Default Concentration limit of 100 µg/L. Please note the applicable GCTL for arsenic is the primary drinking water standard as referenced in Chapter 62-550, F.A.C.

3.2.4 Analytical Results from TMW-03

- No organochlorine pesticides, no organophsphorus pesticides, and no chlorinated herbicides were reported above their respective laboratory detection limits/MDLs or applicable GCTLs, in temporary monitoring well TMW-03.

- Total chromium was reported at 26 µg/L in TMW-03. The reported concentration for total chromium in TMW-03 is below the applicable GCTL of 100 µg/L. Please note that due to fine sediment and the slight brownish color (presumably tannin) observed in the in the groundwater sample collected from TMW-03, GLE elected to collect a filtered metals sample for laboratory analysis and for the comparison of the analytical results (total metals results vs. filtered metals results). The filtered metals sample results were reported below all of their respective laboratory detection limits/MDLs, including chromium.

3.2.5 Analytical Results from TMW-04

- No organophsphorus pesticides, or chlorinated herbicides were reported above their respective laboratory detection limits or applicable GCTLs, in temporary monitoring well TMW-04. However, a-chlordane was reported at 0.096 µg/L and g-chlordane was reported at 0.11 µg/L. The reported concentrations for a-chlordane and g-chlordane are below the applicable GCTLs of 2 µg/L and the NADC limit of 200 µg/L, respectively. Total arsenic, total cadmium and total chromium were all reported below their respective laboratory detection limits/MDLs during this Phase II ESA.

3.2.6 Analytical Results from MW-01 and MW-01 Duplicate Sample

- Total arsenic was reported below laboratory detetcion limits in the groundwater sample collected on September 10, 2010, from the permanent groundwater monitoring well MW-01 at 4.8 µg/L and at 4.8 µg/L in the duplicate sample (MW-01 Duplicate) also collected. The reported concentration for total arsenic in MW-01 and in the duplicate sample are below the applicable GCTL of 10 µg/l, at this time, as well as below the Natural Attenuation Default Concentration limit of 100 µg/l. Please note the applicable GCTL for arsenic is the primary drinking water standard as referenced in Chapter 62-550, F.A.C.

The groundwater analytical results are summarized in **Table 3** in **Appendix A** and the complete laboratory analytical report data is presented in **Appendix C.**

4.0 CONCLUSIONS AND RECOMMENDATIONS

No soil impacts were identified on the Property above applicable SCTLs during this Phase II ESA. Therefore, no further assessment of the soil appears warranted at the Property, in GLE's opinion, at this time. In addition, no groundwater impacts were identified on the Property above applicable GCTLs except for arsenic, which was reported at 61 µg/l in TMW-02. However, based on the results for confirmation groundwater samples collected from a permanent groundwater monitoring well MW-01 advanced at the location of TMW-02; arsenic was reported below laboratory detection limits at 4.8 µg/L. Based on the results of our soil and groundwater

field sampling activities, and laboratory analyses, this investigation has revealed no evidence to suggest that the soil or groundwater underlying the Property have sustained significant pesticide or herbicide impacts, in GLE's opinion, at this time.

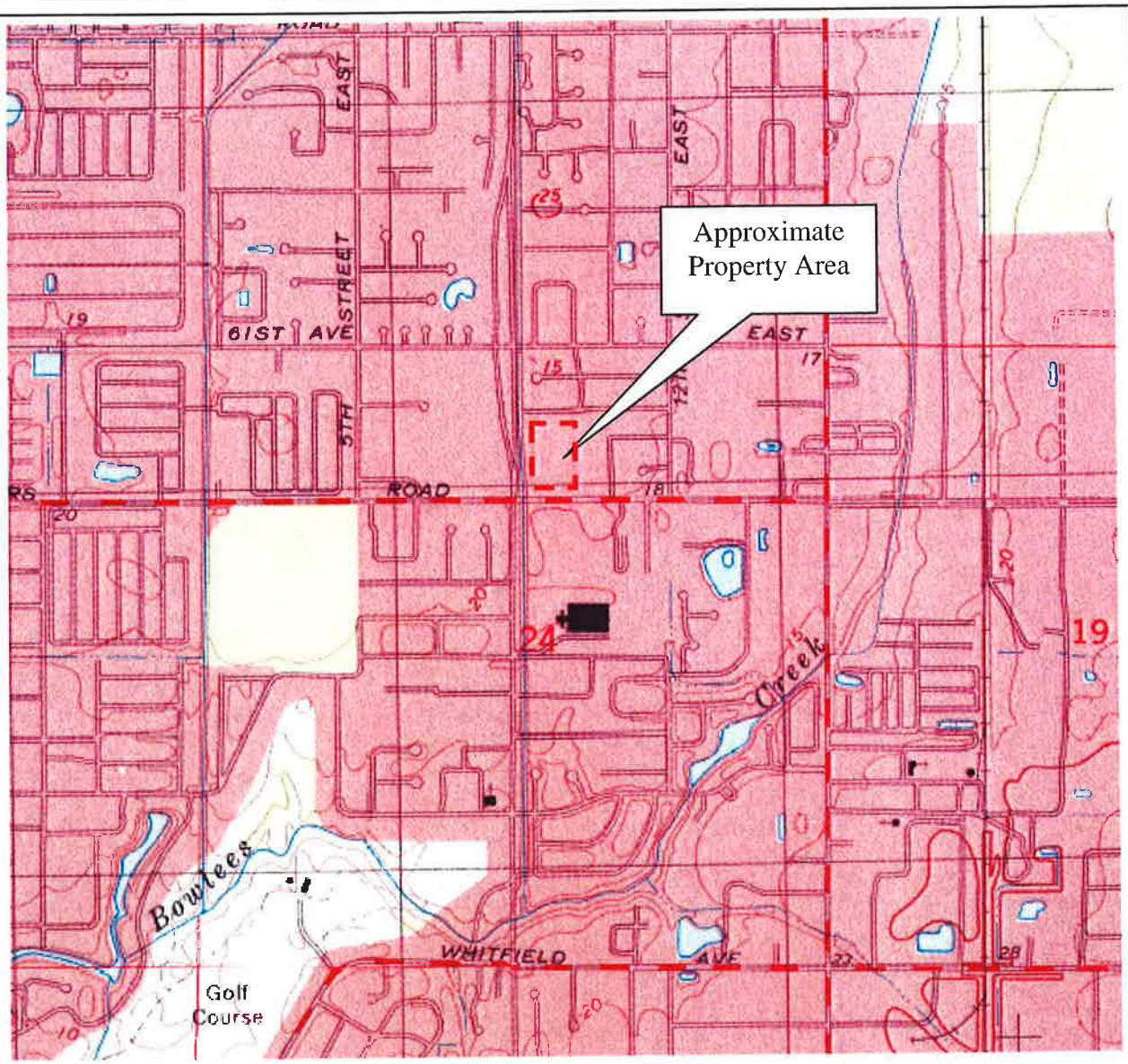
As referenced in the Phase I ESA report. there is an existing onsite irrigation water well, which is currently being utilized for this designated purpose. Therefore, GLE recommends that the onsite irrigation water well be abandoned by a licensed water well contractor and in accordance with the local water management district regulations if no longer intended to be utilized for this designated purpose.

As referenced in the Phase I ESA and also documented during the Phase II ESA activities, GLE has confirmed that miscellaneous nursery debris was in fact previously discarded and buried on the northern portion of the Property. Specifically, miscellaneous nursery plant containers, as well as plastic and horticulture material, was encountered at approximately one ft-bls to completion depth of approximately 5 ft-bls at HA-10. In addition, due to the buried debris, refusal was encountered during hand auger soil sample collection activities in hand auger boring locations HA-8 and HA-9. It should be noted that the aerial extent of buried debris was not defined by GLE during the limited Phase II ESA. Therefore, GLE recommends that if future building or construction activities are proposed on the north-central portion of the Property, that a geotechnical investigation be conducted to document the onsite soil conditions in this general area. Depending on the proposed future use of the Property, there is a potential that the debris located in this area would need to be exposed and excavated for removal and disposal at an approved solid waste facility. Although not anticipated at this time based on the soil and groundwater analytical results presented in this report, in the event that potential environmental conditions are identified and/or discovered at the time of the excavation activities (i.e. buried drums, pesticide/herbicide containers, stained soil and/or olfactory indications of a chemical release), then GLE recommends that additional environmental assessment of this area be conducted at that time.

5.0 LIMITATIONS

The Phase II ESA activities described herein were performed in an effort to assess on-site soil and/or groundwater for potential impacts associated with the application of pesticides/herbicides at this nursery facility on an as needed basis. The limited Phase II ESA was performed in an effort to assist the Client with evaluating potential environmental risks associated with the Property prior to commencing with a real estate transaction and was not intended for regulatory compliance purposes. Accordingly, the work performed and laboratory data obtained for this project appears, in GLE's opinion, to be sufficient at this time. The information contained in this report was prepared based upon the regulations in force at the time of this report. The information herein is only for the specific use of the client and GLE. GLE accepts no responsibility for the use, interpretation, or reliance by other parties on the information contained herein, unless written authorization has been obtained by GLE.

APPENDIX A
Figures and Tables



N

Figure A-1
USGS Topographic Map
Bradenton, Florida
Dated 1995

Not to Scale

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Tampa, Florida 33607 (813) 241-8350

GLE
Facilities and Environmental Consultants

Drawn	Job No.
MAM	10310-00099
Checked	Figure
PRB	A-1
Date	
08/26/2010	

● Water Well

R = Residence/Office
FP = Former Pond
C = Concrete Slab
H = Horticulture Debris

Approximate Property Boundary

N

Figure A-2
Site Map

Not to Scale

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PRB	A-2
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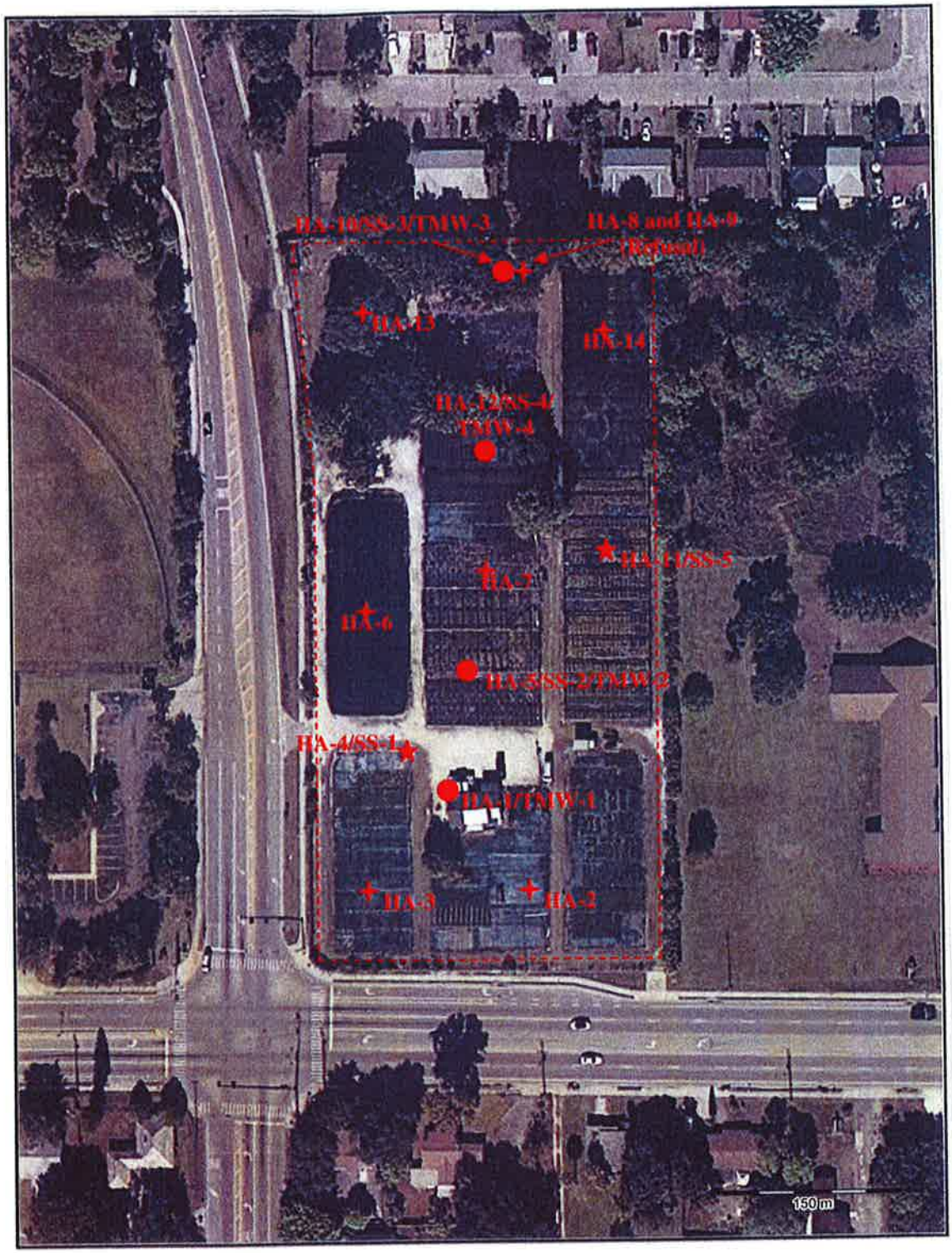
08/26/10	



Key

+ Approximate Soil Boring Location (Only)

● Approximate Soil Boring/Soil Sample/TMW Location

★ Approximate Soil Boring and Soil Sample Location

Approximate Property Boundary

N

Figure A-3
Soil Boring, Soil Sample and Temporary Monitoring Well Locations Site Map

Not to Scale

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08/26/2010	

Approximate Property Boundary

N

Figure A-4

Monitoring Well MW-01
Location Site Map

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Date	
09/14/2010	

Table 1
Organic Vapor Screening Results
Taylor Nursery
907 63rd Avenue East
Bradenton, Manatee County, Florida
GLE Project No.: 10310-00099

Sample Designation	Sample Collection Depth (ft bls[1])	Total Organic Vapor Concentration (unfiltered) (ppm[2])	Vapor Concentration (filtered) (ppm)	Vapor Concentration (ppm)	Comments
HA-01	Surface (0.5')	NR	---	NR	No Odor
HA-1/6"	1	NR	---	NR	Moist No Odor
	2	NR	---	NR	Wet No Odor
TMW-01	3	NR	---	NR	Wet No Odor
HA-02	Surface (0.5')	NR	---	NR	No Odor
	1	NR	---	NR	Moist No Odor
	2	NR	---	NR	Wet No Odor
HA-03	Surface (0.5')	NR	---	NR	No Odor
	1	NR	---	NR	Moist No Odor
	2	NR	---	NR	Wet No Odor
HA-04	Surface (0.5')	NR	---	NR	No Odor
HA-4/SS-1/6"	1	NR	---	NR	Wet No Odor
	2	NR	---	NR	Wet No Odor
HA-05	Surface (0.5')	NR	---	NR	No Odor
HA-5/SS-2/6"	1	NR	---	NR	Wet No Odor
	2	NR	---	NR	Wet No Odor
TMW-02	3	NR	---	NR	Wet No Odor
HA-06	Surface (0.5')	NR	---	NR	No Odor
	1	NR	---	NR	Wet No Odor
	2	NR	---	NR	Wet No Odor
HA-07	Surface (0.5')	NR	---	NR	No Odor
	1	NR	---	NR	Wet No Odor
	2	NR	---	NR	Wet No Odor
HA-08	Surface (0.5')	NR	---	NR	Sand and Shell Fragments
	1	1.1	---	1.1	Brown Fine Sand
	2	4.8	6.2	---	Dark Organic/Peat/Debris
Refusal	2.5	10.4	0	10.4	*Refusal Plastic sheeting*

Table 1
Organic Vapor Screening Results
Taylor Nursery
907 63rd Avenue East
Bradenton, Manatee County, Florida
GLE Project No.: 10310-00099

Sample Designation	Sample Collection Depth (ft bls[1])	Total Organic Vapor Concentration (unfiltered) (ppm[2])	Vapor Concentration (filtered) (ppm)	Vapor Concentration (ppm)	Comments
HA-09	Surface to 1'	NS	---	NS	Plastic Sheeting/Fabric Debris
	1.5	NS	---	NS	Refusal Garbage/Debris
HA-10	Surface	NS	---	NS	No Odor
HA-10/SS-3/6"	1	NS	---	NS	Plastic Container and Debris
	2	NS	---	NS	Dark Organic and Roots
	3	465	420	45	Dark Organic and Roots
TMW-03	4	16.4	18.5	---	Wet Organic Odor
HA-11	Surface (0.5')	NR	---	NR	No Odor
HA-11/SS-5/6"	1	NR	---	NR	Wet No Odor
	2	NR	---	NR	Wet No Odor
HA-12	Surface (0.5')	NR	---	NR	No Odor
HA-12/SS-4/6"	1	49.3	46.5	2.8	Organic Odor Wet
TMW-04	2	2170	1650	520	Organic Odor Wet
HA-13	Surface (0.5')	NR	---	NR	Wet No Odor
	1	NR	---	NR	Wet No Odor
	2	NR	---	NR	Wet No Odor
HA-14	Surface (0.5')	NR	---	NR	No Odor
	1	NR	---	NR	No Odor
	2	NR	---	NR	Moist No Odor
	3	0.1	---	0.1	Wet No Odor

Notes: NR = No Response
1 - feet below land surface (bls)
2 - parts per million
3 - Highlighted Location for Soil Sample from the Vadose Zone

Table 2

Soil Analytical Summary
Limited Phase II ESA
Taylor Nursery
907 63rd Avenue East
Bradenton, Manatee County, Florida
GLE Project No.: 10925-01086

Parameter	HA-1	Leachability Based on Groundwater	Direct Exposure Levels - Residential	Direct Exposure Levels - Commercial/ Industrial
VOAs by 8260B				
Benzene	0.00049 U	0.007	1.2	2
Toluene	0.003 U	0.5	7500	60,000
Ethylbenzene	0.0004 U	0.6	1500	9,200
Xylenes	0.001 U	0.2	130	700
MTBE	0.00069 U	0.09	4400	24,000
PAHs by 8270D				
Napthalene	0.007 U	1.2	55	300
1-Methynaphthalene	0.0042 U	3.1	200	1,800
2-Methylnaphthalene	0.0035 U	8.5	210	2,100
Acenaphthene	0.0027 U	2.1	2400	20,000
Acenaphthylene	0.0028 U	1800	20000	27
Anthracene	0.0024 I	2500	21000	300,000
Benzo(a)anthracene	0.0087	0.8	#	#
Benzo(b)fluoranthene	0.0054 I	2.4	#	#
Benzo(g,h,i)perylene	0.010 I	32000	2500	52,000
Benzo(a)pyrene	0.010	8	0.1	0.7
Benzo(k)flouranthene	0.0049 I	24	13	66.0
Chrysene	0.011	77	#	#
Flourene	0.0023 U	160	2600	33,000
Fluoranthene	0.018	1200	3200	59,000
Indo(1,2,3-cd)pyrene	0.0091 U	6.6	#	#
Phenanthene	0.0086 I	250	2200	36,000
Pyrene	0.019 I	880	2400	45,000
TRPH by FL-PRO				
TRPH	7.9 I	340	460	2,700

Notes:
1) All concentrations in milligrams per kilogram (mg/kg)
2) U = Result was below the laboratory method detection limit for the specified parameter.
3) Soil Cleanup Target Levels as per Chaper 62-777 Florida Administrative Code.
4) Bolded values are above Soil Cleanup Target Levels.
5) I = result value was found to be between the laboratory method detection limit and the practical quantitation limit
6) The FDEP Benzo(a)pyrene Equivalent Compound Conversion Table Attached

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Taylor Nursery
Location: Former Fuel Oil AST Location
Facility/Site ID No.:

Soil Sample No. HA-1/6"
Sample Date 16-Aug-10
Location: HA-1, NW Corner of the Onsite Building
Depth (ft): 6-inches bls

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.010	1.0	0.0100
Benzo(a)anthracene	0.0087	0.1	0.00087
Benzo(b)fluoranthene	0.0054	0.1	0.00054
Benzo(k)fluoranthene	0.0049	0.01	0.000049
Chrysene	0.011	0.001	0.000011
Dibenz(a,h)anthracene	0.005	1.0	0.0046
Indeno(1,2,3-cd)pyrene	0.005	0.1	0.000455

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.016525**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Table 3
Soil Analytical Summary
Taylor Nursery
907 63rd Avenue East
GLE Project No.: 10310-00099

Parameter	EPA Method	Direct Exposure I Residential	Direct Exposure II Industrial	Leachability Based on Groundwater	SS-1/6"	SS-2/ 6"	SS-3/6"	SS-4/6"	SS-5/6"
Arsenic	6010	2.1	12	***	1.5	1.8	0.067 I	0.22 U	1.7
Cadmium	6010	82	1700	7.5	0.091 I	0.035 U	0.033 U	0.033 U	0.035 U
Chromium	6010	210	470	38	8.8	7.4	4.8	7.6	4.2
Aldrin	8081	0.06	0.3	0.2	0.0026 U	0.0026 U	0.0024 U	0.0024 U	0.0026 U
BHC, a-	8081	0.1	0.6	0.0003	0.0035 U	0.0034 U	0.0032 U	0.0032 U	0.0034 U
BHC, b-	8081	0.5	2.4	0.001	0.0021 U	0.0021 U	0.002 U	0.002 U	0.0021 U
BHC, d-	8081	24	490	0.2	0.0026 U	0.0026 U	0.0024 U	0.0024 U	0.0026 U
Chlordane, a-	8081	2.8 (1)	14 (1)	9.6 (1)	0.069	0.023	0.0025 U	0.0026 U	0.0027 U
Chlordane, g-	8081	2.8 (1)	14 (1)	9.6 (1)	0.070	0.013	0.0018 U	0.0019 U	0.002 U
Chlordane, Technical	8081	2.8 (1)	14 (1)	9.6 (1)	0.33	0.17	0.014 U	0.014 U	0.015 U
DDD, 4,4'-	8081	4.2	22	5.8	0.0021 U	0.0021 U	0.002 U	0.002 U	0.0021 U
DDE, 4,4'-	8081	2.9	15	18	0.0002 U	0.0002 U	0.0018 U	0.0019 U	0.0002 U
DDT, 4,4'-	8081	2.9	15	11	0.00076 U	0.00074 U	0.0007 U	0.00071 U	0.00074 U
Dieldrin	8081	0.06	0.3	0.002	0.0019 U	0.0019 U	0.0017 U	0.0018 U	0.0019 U
Endosulfan I	8081	450 (2)	7600 (2)	3.8 (2)	0.0019 U	0.0019 U	0.0017 U	0.0018 U	0.0019 U
Endosulfan II	8081	450 (2)	7600 (2)	3.8 (2)	0.0019 U	0.0019 U	0.0017 U	0.0018 U	0.0019 U
Endosulfan sulfate	8081	450 (2)	7600 (2)	3.8 (2)	0.0014 U	0.0014 U	0.0013 U	0.0013 U	0.0014 U
Endrin	8081	28	510	1.0	0.0002 U	0.0002 U	0.0018 U	0.0019 U	0.002 U
Endrin aldehyde	8081	NAS	NAS	NAS	0.0019 U	0.0019 U	0.0017 U	0.0018 U	0.0019 U
Endrin ketone	8081	NAS	NAS	NAS	0.0015 U	0.0015 U	0.0014 U	0.0014 U	0.0015 U
Heptachlor	8081	0.2	1	23	0.0023 U	0.0022 U	0.0021 U	0.0021 U	0.0022 U
Heptachlor epoxide	8081	0.1	0.5	0.6	0.0002 U	0.0002 U	0.0018 U	0.0019 U	0.002 U
Lindane	8081	0.7	2.5	0.009	0.00071 U	0.0007 U	0.00065 U	0.00067 U	0.0007 U
Methoxychlor	8081	420	8800	160	0.0023 U	0.0022 U	0.0021 U	0.0021 U	0.0022 U
Mirex	8081	NAS	NAS	NAS	0.00076 U	0.00074 U	0.0007 U	0.0071 U	0.0074 U
Toxaphene	8081	0.9	4.5	31	0.088 U	0.086 U	0.08 U	0.082 U	0.086 U
2,4-D	8151	770	13000	0.7	0.051 U	0.05 U	0.047 U	0.048 U	0.05 U
Dalapon	8151	NAS	NAS	NAS	0.23 U	0.22 U	0.21 U	0.21 U	0.22 U
2,4-DB	8151	NAS	NAS	NAS	0.061 U	0.059 U	0.055 U	0.0057 U	0.059 U
Dicamba	8151	2300	40000	2.6	0.032 U	0.031 U	0.029 U	0.03 U	0.031 U
Dichlorprop	8151	370	5800	0.30	0.035 U	0.034 U	0.032 U	0.032 U	0.034 U
Dinoseb	8151	65	840	0.03	0.045 U	0.044 U	0.041 U	0.042 U	0.044 U
MCPA	8151	35	500	0.02	0.55 U	0.53 U	0.5 U	0.51 U	0.53 U
MCPP	8151	64	800	0.03	0.58 U	0.57 U	0.53 U	0.54 U	0.57 U
Picloram	8151	NAS	NAS	NAS	0.027 U	0.027 U	0.025 U	0.026 U	0.027 U
Silvex	8151	660	14000	5.4	0.18 U	0.17 U	0.16 U	0.17 U	0.17 U
2,4,5-T	8151	690	9500	0.4	0.033 U	0.033 U	0.03 U	0.031 U	0.033 U

Notes:
1) All concentrations in milligrams per kilogram (mg/kg)
2) U = Undetected, not detected above laboratory detection limits.
3) Direct Exposure I, II, and Leachability are specified in Chapter 62-777 FAC.
4) Method Detection Limit (MDL) concentration reported value is above the applicable constituent Leachability value
5) NS = Not Sampled
6) (1) = Standard is based off of total chlordane.
7) (2) = Standard is based off endosulfan total.
8) NAS = No Applicable Standard
9) Leachability values may be derived from SPLP test to calculate site specific SCTLs.

Table 3
Soil Analytical Summary
Taylor Nursery
907 63rd Avenue East
GLE Project No.: 10310-00099

Parameter	EPA Method	Direct Exposure I Residential	Direct Exposure II Industrial	Leachability Based on Groundwater	SS-1/6"	SS-2/ 6"	SS-3/6"	SS-4/6"	SS-5/6"
Aspon	8270	NAS	NAS	NAS	0.0071 U	0.007 U	0.0065 U	0.0067 U	0.007 U
Atrazine	8270	4.3	19.0	0.06	0.017 U	0.016 U	0.015 U	0.016 U	0.016 U
Azinophos ethyl	8270	NAS	NAS	NAS	0.024 U	0.023 U	0.022 U	0.022 U	0.023 U
Azinophos methyl	8270	120	2400	0.2	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U
Bolstar	8270	NAS	NAS	NAS	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U
Carbophenothion	8270	11	250	13	0.0071 U	0.007 U	0.0065 U	0.0067 U	0.007 U
Chlorfenvinphos	8270	NAS	NAS	NAS	0.011 U	0.013 U	0.012 U	0.012 U	0.013 U
Chlorpyrifos	8270	250	5000	15	0.021 U	0.021 U	0.02 U	0.02 U	0.021 U
Chlorpyrifos methyl	8270	NAS	NAS	NAS	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U
Coumaphos	8270	21	450	0.3	0.02 U	0.02 U	0.018 U	0.019 U	0.02 U
Crotoxyphos	8270	NAS	NAS	NAS	0.02 U	0.02 U	0.018 U	0.019 U	0.02 U
Demeton- O+S	8270	NAS	NAS	NAS	0.026 U	0.026 U	0.024 U	0.024 U	0.026 U
Diazinon	8270	70	1200	0.2	0.017 U	0.016 U	0.015 U	0.016 U	0.016 U
Dichlorofenthion	8270	NAS	NAS	NAS	0.0024 U	0.0023 U	0.022 U	0.0022 U	0.0023 U
Dichlorvos	8270	0.3	0.4	0.0006	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U
Dicrotophos	8270	7.4	120	0.005	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U
Dimethoate	8270	13	170	0.006	0.011 U	0.01 U	0.0098 U	0.01 U	0.01 U
Disulfoton	8270	3.3	66	0.09	0.025 U	0.024 U	0.023 U	0.023 U	0.024 U
EPN	8270	0.8	18	0.02	0.013 U	0.013 U	0.012 U	0.012 U	0.013 U
Ethion	8270	42	920	1.7	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U
Ethoprop	8270	7.4	120	0.005	0.012 U	0.012 U	0.011 U	0.011 U	0.012 U
Famphur	8270	NAS	NAS	NAS	0.021 U	0.021 U	0.02 U	0.02 U	0.021 U
Fenitrothion	8270	NAS	NAS	NAS	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U
Fensulfothion	8270	19	310	0.10	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U
Fenthion	8270	NAS	NAS	NAS	0.012 U	0.012 U	0.011 U	0.011 U	0.012 U
Fonophos	8270	140	2100	0.4	0.012 U	0.012 U	0.011 U	0.011 U	0.012 U
Leptophos	8270	NAS	NAS	NAS	0.012 U	0.014 U	0.013 U	0.013 U	0.014 U
Malathion	8270	1500	24000	4.2	0.013 U	0.013 U	0.012 U	0.012 U	0.013 U
Merphos	8270	2.5	52	0.5	0.019 U	0.019 U	0.017 U	0.018 U	0.019 U
Metyhl Parathion	8270	20	370	0.06	0.0083 U	0.0081 U	0.0076 U	0.0078 U	0.0081 U
Mevinphos	8270	18	270	0.01	0.012 U	0.012 U	0.011 U	0.011 U	0.012 U
Monocrotophos	8270	NAS	NAS	NAS	0.013 U	0.013 U	0.012 U	0.012 U	0.013 U
Naled	8270	150	2400	0.1	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U
Parathion	8270	500	11000	1	0.0095 U	0.0093 U	0.0087 U	0.0089 U	0.0093 U
Phorate	8270	16	320	0.3	0.0024 U	0.0023 U	0.0022 U	0.0022 U	0.0023 U
Phosmet	8270	1600	33000	5	0.0083 U	0.0081 U	0.0076 U	0.0078 U	0.0081 U
Phosphamidon	8270	NAS	NAS	NAS	0.02 U	0.02 U	0.018 U	0.019 U	0.02 U
Ronnel	8270	4200	88000	1300	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U
Simazine	8270	7.8	35	0.08	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U
Stirofos	8270	NAS	NAS	NAS	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U
Suflotep	8270	35	510	0.1	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U
TEPP	8270	NAS	NAS	NAS	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U
Terbufos	8270	1.9	29	0.02	0.0024 U	0.0023 U	0.0022 U	0.0022 U	0.0023 U
Thionazin	8270	NAS	NAS	NAS	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U
Tokuthion	8270	NAS	NAS	NAS	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U
Trichloronate	8270	NAS	NAS	NAS	0.014 U	0.014 U	0.013 U	0.013 U	0.014 U

Notes:
1) All concentrations in milligrams per kilogram (mg/kg)
2) U = Undetected, not detected above laboratory detection limits.
3) Direct Exposure I, II, and Leachability are specified in Chapter 62-777 FAC.
4) Highlighted values are above the lowest FDEP limit.
5) NS = Not Sampled
6) NAS = No Applicable Standard
7) Method Detection Limit (MDL) reported concentration value is above the applicable Leachabity Value

Table 4

Groundwater Analytical Summary
Limited Phase II ESA
Taylor Nursery
907 63rd Avenue East
Bradenton, Manatee County, Florida
GLE Project No.: 10310-00099

Parameter	TMW-1	Groundwater Cleanup Target Levels (GCTLs)	Natural Attenuation Default Concentrations (NADCs)
VOAs by 8260B			
Benzene	0.1 U	1	100
Toluene	0.3 U	40	400
Ethylbenzene	0.2 U	30	300
Xylenes	0.4 U	20	200
MTBE	0.05 U	20	200
PAHs by 8270D			
Napthalene	0.031 U	14	140
1-Methynaphthalene	0.028 U	28	280
2-Methylnaphthalene	0.025 U	28	280
Acenaphthene	0.028 U	20	200
Anthracene	0.02 U	2100	21,000
Flourene	0.03 U	280	2,800
Fluoranthene	0.02 U	280	2,800
Phenanthrene	0.026 U	210	2,100
Pyrene	0.022 U	210	2,100
TRPH by FL-PRO			
TRPH	46 U	5,000	50,000

Notes:
1) All concentrations in micrograms per liter (ug/l)
2) U = Result was below the laboratory method detection limit for the specified parameter.
3.) I = The reported value is between the laboratory method detection limit and the laboratory practical
4.) Groundwater Cleanup Target Levels as per Chaper 62-777 Florida Administrative Code
5.) Natural Attenuation Levels as per Chaper 62-777 Florida Administrative Code.
6.) **Bolded** values are above State of Florida GCTLs
7.) **Bolded and Highlighted** values are above State of Florida GCTLs and NADCs

Table 5
Grounwater Analytical Summary
Taylor Nursery
907 63rd Avenue East, Bradenton, Florida
GLE Project No.: 10310-00099
TMW-2, TMW-3 and TMW-4 Sampled August 16, 2010 / MW-01 Sampled September 10, 2010

Parameter	EPA Method	Groundwater Cleanup Target Levels (GCTLs)	Natural Attenuation Default Criteria (NADC)	TMW-2	TMW-3	TMW-4	MW-01 / MW-01 Duplicate
Arsenic	6010	10	100	61	4.8 U	4.8 U	4.8 U / 4.8 U
Cadmium	6010	5	50	0.6 U	0.6 U	0.6 U	NS
Chromium	6010	100	1000	3.5 U	26	3.5 U	NS
Aldrin	8081	0.002	0.02	0.002 U	0.002 U	0.002 U	NS
BHC, a-	8081	0.006	0.6	0.0023 U	0.0023 U	0.0023 U	NS
BHC, b-	8081	0.02	2	0.003 U	0.003 U	0.003 U	NS
BHC, d-	8081	2.1	21	0.013	0.0023 U	0.0023 U	NS
Chlordane, a-	8081	2	200	0.0019 U	0.0019 U	0.096	NS
Chlordane, g-	8081	2	200	0.0098	0.0021 U	0.11	NS
Chlordane, Technical	8081	2	200	0.04 U	0.04 U	0.97	NS
DDD, 4,4'-	8081	0.1	10	0.0016 U	0.0016 U	0.0016 U	NS
DDE, 4,4'-	8081	0.1	10	0.0017 U	0.0017 U	0.0017 U	NS
DDT, 4,4'-	8081	0.1	10	0.002 U	0.002 U	0.002 U	NS
Dieldrin	8081	0.002	0.2	0.0014 U	0.0014 U	0.0014 U	NS
Endosulfan I	8081	42	420	0.0019 U	0.0019 U	0.0019 U	NS
Endosulfan II	8081	42	420	0.0018 U	0.0018 U	0.0018 U	NS
Endosulfan sulfate	8081	42	420	0.0027 U	0.0027 U	0.0027 U	NS
Endrin	8081	2	20	0.0018 U	0.0018 U	0.0018 U	NS
Endrin aldehyde	8081	NAS	NAS	0.0019 U	0.0019 U	0.0019 U	NS
Endrin ketone	8081	NAS	NAS	0.0016 U	0.0016 U	0.0016 U	NS
Heptachlor	8081	0.4	4	0.0024 U	0.0024 U	0.0024 U	NS
Heptachlor epoxide	8081	0.2	20	0.0022 U	0.0022 U	0.0022 U	NS
Lindane	8081	0.2	20	0.0024 U	0.0024 U	0.0024 U	NS
Methoxychlor	8081	40	400	0.0018 U	0.0018 U	0.0018 U	NS
Mirex	8081	1.4	14	0.015 U	0.015 U	0.015 U	NS
Toxaphene	8081	3	300	0.044 U	0.044 U	0.044 U	NS
2,4-D	8321	70	700	0.045 U	0.045 U	0.045 U	NS
2,4-DB	8321	56	560	0.2 U	0.2 U	0.2 U	NS
Dicamba	8321	210	2100	0.34 U	0.34 U	0.34 U	NS
Dichlorprop	8321	35	350	0.4 U	0.4 U	0.4 U	NS
MCPA	8321	3.5	35	0.35 U	0.35 U	0.35 U	NS
MCPP	8321	7	70	0.4 U	0.4 U	0.4 U	NS
2,4,5-T	8321	70	700	0.14 U	0.14 U	0.14 U	NS

Notes:
1) All concentrations in micrograms per Liter (ug/L), including metals.
2) U = Undetected, not detected above laboratory detection limits.
3) GCTLs and NADC are specified in Chapter 62-777 F.A.C., Metals are specified in Chapter 62-550 F.A.C.
4) Highlighted values are above the lowest FDEP limit.
5) NS = Not Sampled
6) NAS = No Applicable Standard

Table 5
Groundwater Analytical Summary
Taylor Nursery
907 63rd Avenue East, Bradenton, Florida
GLE Project No.: 10310-00099

Parameter	EPA Method	Groundwater Cleanup Target Levels (GCTLs)	Natural Attenuation Default Criteria (NADC)	TMW-2	TMW-3	TMW-4
Aspon	8270	NAS	NAS	0.06 U	0.06 U	0.06 U
Atrazine	8270	3	30	0.06 U	0.06 U	0.06 U
Azinophos ethyl	8270	NAS	NAS	0.07 U	0.07 U	0.07 U
Azinophos methyl	8270	11	110	0.53 U	0.53 U	0.53 U
Bolstar	8270	NAS	NAS	0.09 U	0.09 U	0.09 U
Carbophenothion	8270	0.9	9	0.06 U	0.06 U	0.06 U
Chlorfenvinphos	8270	NAS	NAS	0.2 U	0.2 U	0.2 U
Chlorpyrifos	8270	21	210	0.08 U	0.08 U	0.08 U
Chlorpyrifos methyl	8270	70	700	0.08 U	0.08 U	0.08 U
Coumaphos	8270	1.8	18	0.5 U	0.5 U	0.5 U
Crotoxyphos	8270	NAS	NAS	0.2 U	0.2 U	0.2 U
Demeton- O+S	8270	NAS	NAS	0.2 U	0.2 U	0.2 U
Diazinon	8270	6.3	63	0.05 U	0.05 U	0.05 U
Dichlorofenthion	8270	NAS	NAS	0.07 U	0.07 U	0.07 U
Dichlorvos	8270	0.1	10	0.06 U	0.06 U	0.06 U
Dicrotophos	8270	0.7	7	0.16 U	0.16 U	0.16 U
Dimethoate	8270	1.4	14	0.07 U	0.07 U	0.07 U
Disulfoton	8270	0.3	3	0.04 U	0.04 U	0.04 U
EPN	8270	0.07	0.7	0.21 U	0.21 U	0.21 U
Ethion	8270	3.5	35	0.11 U	0.11 U	0.11 U
Ethoprop	8270	0.7	7	0.02 U	0.02 U	0.02 U
Famphur	8270	3.5	35	0.12 U	0.12 U	0.12 U
Fenitrothion	8270	NAS	NAS	0.05 U	0.05 U	0.05 U
Fensulfothion	8270	1.8	18	0.08 U	0.08 U	0.08 U
Fenthion	8270	NAS	NAS	0.06 U	0.06 U	0.06 U
Fonophos	8270	14	140	0.08 U	0.08 U	0.08 U
Leptophos	8270	NAS	NAS	0.26 U	0.26 U	0.26 U
Malathion	8270	140	1400	0.07 U	0.07 U	0.07 U
Merphos	8270	0.2	2	0.02 U	0.02 U	0.02 U
Metyhl Parathion	8270	1.8	18	0.05 U	0.05 U	0.05 U
Mevinphos	8270	1.8	18	0.05 U	0.05 U	0.05 U
Monocrotophos	8270	NAS	NAS	0.05 U	0.05 U	0.05 U
Naled	8270	14	140	0.21 U	0.21 U	0.21 U
Parathion	8270	4.2	42	0.07 U	0.07 U	0.07 U
Phorate	8270	1.4	14	0.04 U	0.04 U	0.04 U
Phosmet	8270	140	1400	0.14 U	0.14 U	0.14 U
Phosphamidon	8270	NAS	NAS	0.18 U	0.18 U	0.18 U
Ronnel	8270	350	3500	0.05 U	0.05 U	0.05 U
Simazine	8270	4	40	0.07 U	0.07 U	0.07 U
Stirofos	8270	NAS	NAS	0.08 U	0.08 U	0.08 U
Suflotep	8270	3.5	35	0.08 U	0.08 U	0.08 U
TEPP	8270	NAS	NAS	0.02 U	0.02 U	0.02 U
Terbufos	8270	0.2	2	0.09 U	0.09 U	0.09 U
Thionazin	8270	NAS	NAS	0.05 U	0.05 U	0.05 U
Tokuthion	8270	NAS	NAS	0.06 U	0.06 U	0.06 U
Trichloronate	8270	NAS	NAS	0.08 U	0.08 U	0.08 U

Notes:
1) All concentrations in micrograms per Liter (ug/L)
2) U = Undetected, not detected above laboratory detection limits.
3) GCTLs and NADC are specified in Chapter 62-777 FAC.
4) Highlighted values are above the lowest FDEP limit.
5) NS = Not Sampled
6) NAS = No Applicable Standard

APPENDIX B
Soil Boring Logs, Groundwater Sampling Logs, and Field Notes

BORING LOG

Boring/Well Number: HA-01	Permit Number: N/A		FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 843 ☒ AM ☐ PM End Time: 851 ☐ AM ☐ PM	
Environmental Contractor: GLE Associates	Geologist's Name: ---		Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches	Borehole Depth (feet):
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): CZNK 304 ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☒ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

TMW-01

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	0			0	-	0					
	1		N/A	0	-	0	1	brown fine sand	SW	M	No Odor
	2	18		0	-	0	2	grey fine sand	SW	W	
	3	3		0	-	0	3	brown & grey fine sand	SW	S	
							4	tan shell layer @ 3.5' BLS		↓	
							5	End SB-01 @ 3.5 bls			
							6	HA-1/6' Collected			
							7				
							8				
							9				
							10				
							11				
DP							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: HA- 02	Permit Number: N/A		FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 910 AM PM End Time: 916 AM PM	
Environmental Contractor: GLE Associates	Geologist's Name: ---		Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches	Borehole Depth (feet):
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): CZNK304 FID PID

Disposition of Drill Cuttings [check method(s)]: Drum Spread Backfill Stockpile Other

(describe if other or multiple items are checked):

Borehole Completion (check one): Well Grout Bentonite Backfill 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	S 0-2	2	N/A	0	1	0	1	Dark gray fine (6")	SW	M/W	No Odor
				0	1	0	2	light gray fine sand (1')	SW	W	
				0	1	0	3	brown fine fine sand (2')	SW	I	
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
DP							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

Page 1 of 1

Boring/Well Number: HA- 03	Permit Number: N/A		FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 943 [X] AM [ ] PM End Time: 948 [X] AM [ ] PM	
Environmental Contractor: GLE Associates	Geologist's Name: ---		Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches	Borehole Depth (feet): 2
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): C2NK 304 [X] FID [ ] PID

Disposition of Drill Cuttings [check method(s)]: [ ] Drum [ ] Spread [X] Backfill [ ] Stockpile [ ] Other

(describe if other or multiple items are checked):

Borehole Completion (check one): [ ] Well [ ] Grout [ ] Bentonite [X] Backfill [ ] 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	.5		N/A	0	-	0	1	brownish grey fine sand	SW	M	
	1			0	-	0		light grey fine sand	SW	M/W	No Odor
	2			0	-	0	2	dark brown fine sand	SW	W	
							3	End SB-03 @ 2' BLS due to Saturated conditions			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
DP							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: HA- 04	Permit Number: N/A	FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 0953 AM PM End Time: 0958 AM PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches
Borehole Depth (feet):		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): yes FID PID		

Disposition of Drill Cuttings [check method(s)]: Drum Spread X Backfill Stockpile Other

(describe if other or multiple items are checked):

Borehole Completion (check one): Well Grout Bentonite X Backfill 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	.5	2	N/A	0	1	0	1	tan & grey sand shell	SP	D	No Odor
	1			0	1	0		dark grey and black fine sand	SW	W	
	2			0	1	0	2	grey fine sand	SW	↓	
	3			0	—	0	3				
							4	HA-4 [redacted] 6"			
							5				
							6				
							7				
							8				
							9				
							10				
							11				
DP							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: HA- 05	Permit Number: N/A	FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 1040 [X] AM [ ] PM End Time: 1045 [X] AM [ ] PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches
Borehole Depth (feet):		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): 480 [X] FID [ ] PID		

Disposition of Drill Cuttings [check method(s)]: [ ] Drum [ ] Spread [X] Backfill [ ] Stockpile [ ] Other

(describe if other or multiple items are checked):

Borehole Completion (check one): [X] Well [ ] Grout [ ] Bentonite [ ] Backfill [ ] Other (describe) TMW-2

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	.5	2	N/A	8	1	8	1	brown fine sand w/shell fragments		M	
	1									M/W	No
	2			0	—	0	2	dark grey → black fine sand	SW		
	3			0	—	0	3	grey fine sand	SW	W	Odor
							4	HA-5/SS-2/6"			
							5				
							6				
							7				
							8				
							9				
							10				
							11				
DP							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: HA- 06	Permit Number: N/A	FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 1120 [X] AM [ ] PM End Time: 1126 [X] AM [ ] PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches / Borehole Depth (feet):
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): / OVA (list model and check type): 45 [X] FID [ ] PID

Disposition of Drill Cuttings [check method(s)]: [ ] Drum [ ] Spread [X] Backfill [ ] Stockpile [ ] Other

(describe if other or multiple items are checked):

Borehole Completion (check one): [ ] Well [ ] Grout [ ] Bentonite [X] Backfill [ ] 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	0-1			0	1	0	1	dark brown fine sand w/ fragshell		M	
	1-2			0	1	0	2	dark grey fine sand		W	
				0	1	0		grey fine sand			
DP							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: HA- 07	Permit Number: N/A	FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 1132 [X] AM [ ] PM End Time: 1137 [X] AM [ ] PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches
Borehole Depth (feet):		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): 480 [X] FID [ ] PID		

Disposition of Drill Cuttings [check method(s)]: [ ] Drum [ ] Spread [X] Backfill [ ] Stockpile [ ] Other

(describe if other or multiple items are checked):

Borehole Completion (check one): [ ] Well [ ] Grout [ ] Bentonite [X] Backfill [ ] 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	6"		N/A	0	1	0	1	dark brown w/shell frags			
	1	2		0	1	0	2	brown to tan fine sand	SP	M	No odor
	2			0	1	0	3	dark brown and dark grey fine sand	SP	W	
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
DP							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: HA- 08	Permit Number: N/A		FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 1209 ☐ AM ☐ PM End Time: 1221 ☐ AM ☐ PM	
Environmental Contractor: GLE Associates	Geologist's Name: ---		Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches	Borehole Depth (feet):
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ 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	6"		N/A	0	—	0	1	tan and grey fine sand w/ shell fragments	SP		
	1			1.1		1.1		tan and brown fine sand	SP		
	2	2.5		10.65	10.75	0	2	tan and black fine sand w/ peat	SP		
	3						3	Plastic sheeting & debris from 2' → 2.5 refusal			
							4	End SB-08 @ 2.5'			
							5				
							6				
							7				
							8				
							9				
							10				
							11				
DP							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: HA- 09	Permit Number: N/A	FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 1222 ☐ AM ☐ PM End Time: 1225 ☐ AM ☐ PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches
Borehole Depth (feet):		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): GVD ☒ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☐ 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	Plastic sheeting & debris & fabric from .5→1.5			
							2	End refusal SB-09 @ 1.5 bls due to garbage & debris			
							3				
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
DP							12				

No OVA readings Refusal See HA-08

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: HA- 10	Permit Number: N/A	FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 1225 ☐ AM ☒ PM End Time: 1237 ☐ AM ☒ PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): 480 ☒ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☒ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

TMW-03

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				See HA-08 Also			1	tan fine sand	SW	D	
							2	Plastic sheeting from 1-2' blc		↓	
								black organic material w/ root debris		M	
	3			465	426	45	3			W	
	4			16.4	16.5	Ø	4				
							5				
							6	HA-10/SS-3/16"			
							7				
							8				
							9				
							10				
							11				
DP							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: HA- 11	Permit Number: N/A	FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 1326 ☐ AM ☒ PM End Time: 1330 ☐ AM ☒ PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches
Borehole Depth (feet):		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): 480 ☐ FID ☒ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☐ 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	6"		N/A	0	—	0	1	brown fine sand w/ shell	SP	M	No odor
	1	2		0	—	0		dark grey fine sand	SW		
	2			0	—	0	2	grey fine sand	SW	W	
							3				
							4				
							5	HA-11/555/11			
							6				
							7				
							8				
							9				
							10				
							11				
DP							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

Page 1 of 1

Boring/Well Number: HA- 12	Permit Number: N/A	FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 1337 ☐ AM ☒ PM End Time: 1344 ☐ AM ☒ PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): yes ☒ PID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

TMW-04

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	6"	2	N/A	0	1	0	1	light brown & grey fine sand	SP	M	Organic-Odor
	1'			99.3	46.5	2.8					
	2'			2,170	1650	520	2	brown fine sand w/ organic material	SP	W	
							3				
							4				
							5				
							6	HA-12'55-4/11"			
							7				
							8				
							9				
							10				
							11				
DP							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

Page 1 of 1

Boring/Well Number: HA- 13	Permit Number: N/A	FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 1411 ☐ AM ☒ PM End Time: 1415 ☐ AM ☒ PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): 80 ☒ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☐ 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	6"	2	N/A	0	1	0	1	brown fine sand	SW	M	No Odor
	1'			0	1	0	2	↓ tan, orange, and brown fine sand	SP	W	
	2'			0	-	0	3	End HA-13 @ 2' BLS			
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
DP							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: HA- 14	Permit Number: N/A	FDEP Facility Identification Number:
Site Name: Taylor Nursery	Borehole Start Date: 08/16/10 End Date: 08/16/10	Borehole Start Time: 1423 ☐ AM ☒ PM End Time: 1430 ☐ AM ☒ PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: GLE Associates, Inc.	Pavement Thickness (inches): ------	Borehole Diameter (inches): 3-inches / Borehole Depth (feet):
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): / OVA (list model and check type): 480 ☒ PID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☐ 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	6"		N/A	0	–	0		brown fine sand	SW	D	
	1'			0	–	0	1	dark brown fine sand	SW	↓	No
	2'			0	–	0	2	dark greg fine sand	SW	M	odor
	3			0.1	–	0.1	3			W	
							4				
							5				
							6				
							7				
							8				
							9				
							10				
							11				
DP							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

Peterson Environmental, Inc.
Environmental Equipment Rental
Supplies & Service

ph # 813-871-2626
fax# 813-871-1366

Certificate of Calibration

Instrument: MicroFid

Serial Number: CZNK304

Date: 8/13/2010

Standard	Reading
Ambient Air	0.0 ppm
10ppm Methane	
100ppm Methane	
500ppm Methane	500.4 ppm
1,000ppm Methane	
10,000 Methane	
100ppm Isobutylene	
5% CO2	
15% CO2	
(2.5% vol.) Methane 50%LEL	
(15% vol.) Methane 300%LEL	
100ppm CO	
Zero O2	

Calibrated By: Michael Arnold

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Taylor Nursery	SITE LOCATION: 907 63rd Avenue East, Bradenton, Florida	
WELL NO: TMW- 02	SAMPLE ID: TMW- 02	DATE: August 16, 2010

PURGING DATA

WELL DIAMETER (inches): 1-Inch	TUBING DIAMETER (inches): 3/16 inch	WELL SCREEN INTERVAL DEPTH: 0 feet to 3.5 feet	STATIC DEPTH TO WATER (feet): ~ 2	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = 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): 3.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 3.5	PURGING INITIATED AT: 1055	PURGING ENDED AT: 1119	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1106			.12		6.79	29.80	1289	0.73	10.36	Clear	None
1109	.36		↓		6.76	29.78	1288	0.60	5.87	↓	↓
1112	↓				6.75	29.81	1288	0.51	4.41		
1115		2.64			6.76	29.80	1289	0.44	3.10		
1118	↓	3.00	↓		6.76	29.82	1290	0.44	2.59	↓	↓

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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Madonna and J. Romeis GLE Associates, inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1120	SAMPLING ENDED AT: 1134
PUMP OR TUBING DEPTH IN WELL (feet): 3.5	TUBING MATERIAL CODE: PE / S	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-02	1	AG	1L	—	—	—	OCL 8081	APP	<300
↓	1	AG	1L	—	—	—	OCP 8270	APP	<300
	1	AG	1L	—	—	—	Herb 8321	APP	<300
↓	1	PE	100mL	HNO3	—	—	[illegible]	APP	<300
MS/MSD	4	AG	1L	—	—	—	As, Cd, Cr 6010	APP	<300

REMARKS: Pump would not slow down during purge & collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Taylor Nursery	SITE LOCATION: 907 63rd Avenue East, Bradenton, Florida	
WELL NO: TMW- 03	SAMPLE ID TMW- 03	DATE: August 16, 2010

PURGING DATA

WELL DIAMETER (inches): 1-Inch	TUBING DIAMETER (inches): 3/16 inch	WELL SCREEN INTERVAL DEPTH: 0 feet to 5 feet	STATIC DEPTH TO WATER (feet): ~4.5	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = 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): 5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5	PURGING INITIATED AT: 1249	PURGING ENDED AT: 1313	TOTAL VOLUME PURGED (gallons): 1.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1300	.52	.52	.04	N/A	7.73	29.94	1675	N/A	35.0	Cloudy	None
1303	.12	0.64	↓	↓	7.55	28.56	1621	↓	19.0	↓	↓
1306	↓	0.76			7.55	28.14	1615		15.6		
1309		0.88			7.25	28.09	1626		14.3		
1312		1.0			7.31	27.82	1618		10.46	Clear	
1407									2.96 Prior to sampling metals		

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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Madonna and J. Romeis GLE Associates, inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1314	SAMPLING ENDED AT: 1428
PUMP OR TUBING DEPTH IN WELL (feet): 5	TUBING MATERIAL CODE: PE / S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-03	1	AG	1L	—	—	—	OGP 8276	APP	<100
↓	1	AG	1L	—	—	—	OGC 8081	APP	<100
	1	AG	1L	—	—	—	Herb 8321	APP	<100
	1	PE	100mL	HNO3	↓	<2	As, Cd, Cr 6010	APP	<100

REMARKS: Slow recharge, less than .05 GPM

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Taylor Nursery	SITE LOCATION: 907 63rd Avenue East, Bradenton, Florida	
WELL NO: TMW-01	SAMPLE ID: TMW- 1 /081610	DATE: August 16, 2010

PURGING DATA

WELL DIAMETER (inches): 1-Inch	TUBING DIAMETER (inches): 3/16 inch	WELL SCREEN INTERVAL DEPTH: 0 feet to 3.5 feet	STATIC DEPTH TO WATER (feet): ~2	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = 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): 3.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 3.5	PURGING INITIATED AT: 0912	PURGING ENDED AT: 0941	TOTAL VOLUME PURGED (gallons): 2.9

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0928	1.6	1.6	.10	N/A	6.84	27.09	1053	1.70	3.16	Clear	None
0931	.30	1.9	↓	↓	6.84	27.08	1056	1.62	1.52	↓	↓
0934	↓	2.2			6.84	27.08	1058	1.59	1.11		
0937		2.5			6.85	27.16	1060	1.47	1.31		
0940	↓	2.8	↓	↓	6.84	27.08	1061	1.42	1.09	↓	↓

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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Madonna and J. Romeis GLE Associates, inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0942	SAMPLING ENDED AT: 1003
PUMP OR TUBING DEPTH IN WELL (feet): 3.5	TUBING MATERIAL CODE: PE / S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-01	3	CG	40ml	HCl	0	<2	VOA 8260	RFPP	<100
↓	1	AG	1L	Ø	0	Ø	PAH 8270	APP	<300
↓	1	AG	500mL	HCl	0	<2	TRPH by FL-PRO	APP	<300

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **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:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Taylor Nursery	SITE LOCATION: 907 63rd Avenue East, Bradenton, Florida	
WELL NO: TMW-04	SAMPLE ID: TMW- 4	DATE: August 16, 2010

PURGING DATA

WELL DIAMETER (inches): 1-Inch	TUBING DIAMETER (inches): 3/16 inch	WELL SCREEN INTERVAL DEPTH: 0 feet to 5 feet	STATIC DEPTH TO WATER (feet): ~4	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = 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): 5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5	PURGING INITIATED AT: 1450	PURGING ENDED AT: 1519	TOTAL VOLUME PURGED (gallons): 10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1519					7.68	31.80	1521	N/A	39.0	Cloudy	None
1528								PRE	9.37		
1530								POST	5.33		
								Metals			
								Sampling			

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** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Madonna and J. Romeis GLE Associates, inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1455	SAMPLING ENDED AT: 1530
PUMP OR TUBING DEPTH IN WELL (feet): 5	TUBING MATERIAL CODE: PE / S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-04	1	AG	1L	—	0	—	8081	APP	<300
↓	1	AG	1L	—	↓	—	8270	APP	↓
	1	AG	1L	—		—	Herb 8321	APP	
↓	1	PE	100mL	HNO3	↓	<2	As, Cr, Cd	APP	

REMARKS: Slow but Sufficient Recharge w/Bladder limited Parameters

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **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:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Peterson Environmental, Inc.
Environmental Equipment Rental
Supplies & Service

ph # 813-871-2626
fax# 813-871-1366

Certificate of Calibration

Instrument: Ysi 556

Serial Number: 03H1215AA

Date: 8/13/2010

Standard	Reading
pH 4.01	3.99pH
pH 7.01	7.05pH
pH 10.01	
Conductivity 500uS	
Conductivity 1,000uS	1,010uS
Conductivity 3,000uS	
Conductivity 4,430uS	
Dissolved Oxygen 100% Saturation	8.86mg/L
Oxidation Reduction Potential (Zobell Solution)	223.1
Temperature (Celcius)	22.7C
1NTU	
10NTU	

Calibrated By: Michael Arnold

Peterson Environmental, Inc.
Environmental Equipment Rental
Supplies & Service

ph # 813-871-2626
fax# 813-871-1366

Certificate of Calibration

Instrument: Lamotte 2020

Serial Number: 4846-0704

Date: 8/13/2010

Standard	Reading
pH 4.01	
pH 7.00	
pH 10.01	
Conductivity 500uS	
Conductivity 1,000uS	
Conductivity 3,000uS	
Conductivity 4,430uS	
Dissolved Oxygen 100% Saturation	
Oxidation Reduction Potential (Zobell Solution)	
Temperature (Celcius)	
1NTU	0.97 NTU
10NTU	9.95 NTU

Calibrated By: Michael Arnold

GLE Taylor Nursery - See Also Soil + GW Log.

By ___ Date _____ Subject Field Notes Sheet No. 1 of 2

Chkd. By _____ Date 8/16/2010 Scale _____ Proj. No. 10310-0089

0745 : John R. and Mike M. arrive to the site
0835 : Employee arrives on site
0810 : Mike M made a phone call to Greg Taylor RE: Access
0840 : HASP explained and signed
0843 : Begin HA @ SB-01, NW corner of on-site building for former fuel oil AST, TMW-01 is installed at this soil boring location
0851 : Complete SB-01 @ 3.5 BLS due saturated soil and a shell layer.
0852 : Set TMW-01 @ SB-01 to a depth of 3.5 BLS well consists of a prepack 1", 5 foot, screen with no riser. screen sits approximately 18" above grade at final depth
0912 : Begin Purge of TMW-01 at SB-01 - turbid, no odor
0910 : Begin HA @ SB-02, ~~SE of~~ 75 ~~60~~ ft S, ~~25~~ 30 ft E of SE corner of the building
0916 : End HA @ SB-02 only screened at 1 & 2' BLS
0924 : Cal Check Lamotte 2020
- 1.13 @ 1.0 NTU
- 9.47 @ 10.0 NTU
0926 : 489.0 @ 500 CH4 for FID
0943 : 70' west
75 south of SW corner of building
0948
0953 : 38' west
42' north of NW corner of the building
1040 : Begin HA @ SB-05 26' West (due) of timer control Box
1045 : End HA @ SB-05 @ 2' BLS
1050 : Set TMW-02 @ SB-05
1055 : Begin Purge on TMW-02
Turbid, No Odor

GLE

By ___ Date ____ Subject Taylor Nursery Sheet No. 2 of 2

Chkd. By ____ Date 8/16/2010 Scale ____ Proj. No. V310-00099

11:20: Begin Sample Collection on TMMW-02

11:34 Complete Sample collection on TMW-02

1249 begin purge on TMW-03

Turbid, No Odor, purged dry after 1/4 gallon

MAM-continued to Collect Soil Samples for field Screening - See Soil Boring log

Borings advanced East West + Central Portions of Property - See Site location Map. F3

1445 All Soil Borings Complete

OVA Screening Condnected -

TMW-4 Advanced at HA-12 location Equidistant between TMW-2 + TMW-3

Groundwater Sample Completed at 15:30

GLE Cleaned up area.

1600 GLE offsite - heading for Petterson Env.

1657 - GLE Dropped Equipment at Petterson - went to office - Unloaded Equipment and Samples - Will Load for P/up on 8/17/2010 by Sunbelt in the Morning.

1800 - GLE leaving office.

GLE

Well Installation MW-01

By ___ Date ___ Subject Taylor Nursery Sheet No. 1 of 1

Chkd. By ___ Date 9/8/2010 Scale ___ Proj. No. 10310-00099

11:20 - MAM - leaving for site.
12:30 - MAM - on-site - Gate is open - No lock/chain -
12:40 - MAM - Preferred Drilling - Onsite.
12:42 - Preferred - Unloading Equipment
12:44 - Signed HASP - Preferred Drilling Also.
12:56 - Setting up at Well Location - Soil Boring to ~5' BLS
Visual Screening - will also DPT to 10' BLS for Geology -
13:18 - Starting to Drill Well DTW ~1.5' BLS
11.5' Well 10' Screen w/ 1.5' Riser.

13:21 - Down to 10'
13:23 - Well is Set - Sandbag Added - 20/30 Silica Bags ||| Total (5)
13:30 - Sand Pack being Completed - 30/65 1/4 Bag + Portland Grout Seal
fine sand seals
14:01 - Cloudy H_2O - No Odor - DTW 6.0 - Seems to be Dropping -
Milky
14:15 - lowered Speed of Centrifuge pump - Water is Still Tan/Cloudy -
14:18 - Pump ran out of Gas - Stopped Development.
14:20 - Started Pump Again -
14:21 2.5 gal/min = 5 gal.
to 14:23
14:24 - Surge/Purge w/ Tubing -
14:25 - DTW = 7.11
No Silt - Just Tan in Color - Cloudy Tan.
14:28 to 14:30 = 5 gal = 2.5 gal/min Tan Cloudy - Slightly less
14:37 - less Cloudy - Still purging ~2.5 gal/min
SL. Tan in Color No Silt
Photo of H_2O in Bucket.
14:45 - No Silt No Sand No Odor, Very Slight tan in Color
14:50 - Very Slight yellow
14:55 - Stopped Pump - Very Slight yellow - No Silt.
15:00 - Grout to Complete Seal. 15:10 - Preferred Offsite
15:15 - MAM Offsite.

GLE

GW Sampling - MW-01

By ___ Date _____ Subject Taylor Nursery Sheet No. 1 of 1

Chkd. By _____ Date 9/10/2010 Scale _____ Proj. No. 10310-00099

7:15 - MAM left residence. - Traffice on 41 at the Bridge.
8:28 - MAM onsite. Gate open. Site Accessable.
8:35 - Unlocked Well - Unloaded Equipment.
See Field Sheet
9:12 - 1 gal Purged DO is Still Above 20% Saturation
But Slowly Dropping -
9:15 1.67 mg/L = 20.8% Saturation.
1000 - MAM - Offsite - Called Mr. Taylor -
leaving for laboratory Iced Samples.
1107 at the laboratory - RUSH Analysis Requested
1125 At Peterson Env Dropped Equipment.
1135 at Office Unloaded Equipment -
Sent out E-Mail to MC in Afternoon.

BORING LOG

Boring/Well Number: DP- 01	Permit Number: N/A	FDEP Facility Identification Number: —
Site Name: Taylor Nursery	Borehole Start Date: 09/08/10 End Date: 09/08/10	Borehole Start Time: 1257 ☐ AM ☒ PM End Time: 1310 ☐ AM ☒ PM
Environmental Contractor: GLE Associates	Geologist's Name: ---	Environmental Technician's Name: M. Madonna / J. Romeis
Drilling Company: Preferred Drilling	Pavement Thickness (inches): ------	Borehole Diameter (inches): 2.5" / Borehole Depth (feet): @ MW 10
Drilling Method(s): HA/DP	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): N/A / OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☒ Spread ☐ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☒ Well → MW-01/09082010 ☐ Grout ☐ Bentonite ☐ Backfill ☐ 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	N/A	N/A	N/A	N/A	1	Brown fine Sand	SM	D	No Odor
		2					2	Gray fine Sand	SM	M/W	
		3					3	light Gray fine Sand	SM	W	
		4					4	Brown fine Sandy Clay w/Shell	SM	W	
		5					5	Brown fine Silty Sand w/Shell			
DP		4'					6				
							7	Brown to Gray Sand Organics/Roots	SM	W	
							8	Brown fine Sand w/Roots	SM	W	
							9	Dr Brown fine Sand w/Shell	SM	W	
							10	Tan Sand w/Shell	SM	W	
							11				
DP							12				

5' ↓ 10'

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

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA

Well Number:	Site Name:	FDEP Facility I.D. Number:	Well Install Date(s):
MW-01	Taylor Nursery (907 63rd Avenue East)	---	09/08/2010

Well Location and Type (check appropriate boxes): [X] On-Site [ ] Right-of-Way [ ] Off-Site Private Property [ ] Above Grade (AG) [ ] Flush-to-Grade

If AG, list feet of riser above land surface:

Well Purpose: [ ] Perched Monitoring [X] Shallow (Water-Table) Monitoring [ ] Intermediate or Deep Monitoring [ ] Remediation or Other (describe)

Well Install Method: Hollow Stem Auger

Surface Casing Install Method: ---

Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size:
11.5	11.5	6 1/4 → 4 1/4 ID.	8-inch	2 feet by 2 feet

Riser Diameter and Material:	Riser/Screen Connections:	Riser Length:
2-inch / PVC	[X] Flush-Threaded [ ] Other (describe)	1.5 feet from 0 feet to 1.5 feet

Screen Diameter and Material:	Screen Slot Size:	Screen Length:
2-inch / PVC	0.10	10 feet from 1.5 feet to 11.5 feet

1st Surface Casing Material: also check: [ ] Permanent [ ] Temporary	1st Surface Casing I.D. (inches): N/A	1st Surface Casing Length: ___ feet from 0 feet to ___ feet
2nd Surface Casing Material: also check: [ ] Permanent [ ] Temporary	2nd Surface Casing I.D. (inches): N/A	2nd Surface Casing Length: ___ feet from 0 feet to ___ feet
3rd Surface Casing Material: also check: [ ] Permanent [ ] Temporary	3rd Surface Casing I.D. (inches): N/A	3rd Surface Casing Length: ___ feet from 0 feet to ___ feet

Filter Pack Material and Size:	Prepacked Filter Around Screen (check one):	Filter Pack Length:
20/30 Silica	[ ] Yes [X] No	10.5 feet from 1 feet to 11.5 feet

Filter Pack Seal Material and Size:	Filter Pack Seal Length:
30/65 Silica Sand	0.5 feet from 0.5 feet to 1 feet

Surface Seal Material:	Surface Seal Length:
Portland Grout / Cement	0.25 feet from 0.25 feet to 0.5 feet

WELL DEVELOPMENT DATA

Well Development Date:	Well Development Method (check one):
09/08/10	[X] Surge/Pump [ ] Pump [ ] Compressed Air [ ] Other (describe)

Development Pump Type (check): [X] Centrifugal [ ] Peristaltic [ ] Submersible [ ] Other (describe)

Depth to Groundwater (before developing in feet): 1.55'

Pumping Rate (gallons per minute):	Maximum Drawdown of Groundwater During Development (feet):	Well Purged Dry (check one):
Average = 2.95 gal/min	7.15	[ ] Yes [X] No

Pumping Condition (check one):	Total Development Water Removed (gallons):	Development Duration (minutes):	Development Water Drummed (check one):
[X] Continuous [ ] Intermittent	168 gal.	57	[ ] Yes [ ] No

Water Appearance (color and odor) At Start of Development:	Water Appearance (color and odor) At End of Development:
1358 Milky Cloudy - None	1455 Slight yellow / None

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

1358 - started Pump ~4 gal. min.
1412 Less Cloudy/Tan DTW 6.95
1415 Lowered Speed to 2.5 gal/min.
See field Notes for Development Activities

40 min at 2.5 gal/min = 100 gal.
17 min at 4.0 gal/min = 68 gal.
> 168 Gal. Total in 57 min

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Taylor Nursery	SITE LOCATION: 907 63rd Avenue East, Bradenton, Florida	
WELL NO: MW-01	SAMPLE ID: MW-01/09102010	DATE: September 10, 2010

PURGING DATA

WELL DIAMETER (inches): 2-Inch	TUBING DIAMETER (inches): 3/16 inch	WELL SCREEN INTERVAL DEPTH: 1.5 feet to 11.5 feet	STATIC DEPTH TO WATER (feet): 1.47'	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (11.65 feet − 1.47 = 10.18 feet) X .16 gallons/foot = 1.63 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): 3.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 3.5	PURGING INITIATED AT: 900	PURGING ENDED AT: 9:40	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:20	2.0	2.0	0.10	1.77	6.98	26.53	1361	1.51	1.58	Clear	None
9:25	.5	2.5	0.10	1.77	6.98	26.52	1361	1.41	1.09	Clear	None
9:30	.5	3.0	0.10	1.77	6.99	26.52	1363	1.33	1.09	Clear	None
9:35	.5	3.5	0.10	1.77	7.00	26.51	1363	1.21	1.28	Clear	None
9:40	.5	4.0	0.10	1.77	7.00	26.51	1361	1.11	1.18	Clear	None
9:42	Time on Sample Container MW-01										
9:44	Time on Sample Container MW-01 Duplicate										

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 = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: M. Madonna, GLE Associates, Inc.	SAMPLER(S) SIGNATURE(S): MMadonna 9/10/2010	SAMPLING INITIATED AT: 9:41	SAMPLING ENDED AT: 9:42/9:44
PUMP OR TUBING DEPTH IN WELL (feet): 3.5	TUBING MATERIAL CODE: PE / S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm 9:43 to 9:44
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: (Y) N MW-01 Duplicate	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-01	1	PE	250 ml	HNO3	---	<2	Total Arsenic	APP	~250 ml/min
MW-01 Dupe	1	PE	250ml	HNO3	---	<2	Total Arsenic	APP	~250ml/min

REMARKS: 8:48 Started Pump DO Reading Above 20% Lowered Speed Restablished to Slowest Speed 8:59 1.70 DTW
8:53 1.60 DTW

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; 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:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Dissolved O2 1.51 mg/L = 18.7% Saturation 1.11 mg/L is 13.8% Saturation

Note: 9:04 DO is 2.52 mg/L
9:07 DO is 1.67 mg/L – DO is 2.15 mg/L Above 20% Saturation but Decrease

Peterson Environmental, Inc.
Environmental Equipment Rental
Supplies & Service

ph # 813-871-2626
fax# 813-871-1366

Certificate of Calibration

Instrument: Lamotte 2020

Serial Number: 5251-2904

Date: 9/9/2010

Standard	Reading
pH 4.01	
pH 7.00	
pH 10.01	
Conductivity 500uS	
Conductivity 1,000uS	
Conductivity 3,000uS	
Conductivity 4,430uS	
Dissolved Oxygen 100% Saturation	
Oxidation Reduction Potential (Zobell Solution)	
Temperature (Celcius)	
1NTU	0.99 NTU
10NTU	10.06 NTU

Calibrated By: Michael Arnold

Peterson Environmental, Inc.
Environmental Equipment Rental
Supplies & Service

ph # 813-871-2626
fax# 813-871-1366

Certificate of Calibration

Instrument: YSI 556

Serial Number: 03H1215AA

Date: 9/9/2010

Standard	Reading
pH 4.01	4.08pH
pH 7.01	7.11pH
pH 10.01	
Conductivity 500uS	
Conductivity 1,000uS	1,015uS
Conductivity 3,000uS	
Conductivity 4,430uS	
Dissolved Oxygen 100% Saturation	8.55mg/L
Oxidation Reduction Potential (Zobell Solution)	223.2
Temperature (Celcius)	23.1C
1NTU	
10NTU	

Calibrated By: Michael Arnold

APPENDIX C
Chain of Custody and Laboratory Analytical Reports

September 13, 2010

Michael Madonna
GLE Associates, Inc.
4300 W. Cypress Street
Suite 400
Tampa, FL 33607

Re: SunLabs Project Number: **100910.03**
Client Project Description: **Taylor Nursery**

Dear Mr. Madonna:

Enclosed is the report of laboratory analysis for the following samples:

Sample Number	Sample Description	Date Collected		Date Received
108499	MW-01	9/10/2010	9:42	9/10/2010
108500	MW-01 Duplicate	9/10/2010	9:44	9/10/2010

Narrative:

Unless otherwise noted below or in the report and where applicable:
- Samples were received at the proper temperature and analyzed as received.
- Sample condition upon receipt is recorded on the chain-of-custody attached to this report.
- Results for all solid matrices are reported on a dry weight basis.
- Appropriate calibration and QC criteria were satisfactorily met.
- All applicable holding times for analytes have been met.
- Copies of the chains-of-custody, if received, are attached to this report.

If you have any questions or comments concerning this report, please do not hesitate to contact us.

Sincerely,

Michael W. Palmer
Vice President, Laboratory Operations

Enclosures

Report of Laboratory Analysis

SunLabs Project Number	GLE Associates, Inc.
100910.03	Project Description: Taylor Nursery

September 13, 2010

SunLabs Sample Number **108499**
Sample Designation **MW-01**

Matrix: Groundwater
Date Collected: 9/10/2010 09:42
Date Received: 9/10/2010 11:07

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
RCRA Metals ppb									
Date Digested	3005		9/13/10						09/13/10 08:45
Date Analyzed	6010		9/13/2010	1				09/13/10 16:52	
Arsenic	6010	ug/L	4.8 U	1	4.8	19	7440-38-2	09/13/10 16:52	09/13/10 08:45

SunLabs, Inc.
5460 Beaumont Center Blvd., Suite 520
Tampa, FL 33634

Laboratory ID Number - E84809

Phone: (813) 881-9401
Email: Info@SunLabsInc.com
Website: www.SunLabsInc.com

Report of Laboratory Analysis

SunLabs Project Number	GLE Associates, Inc.
100910.03	Project Description: Taylor Nursery

September 13, 2010

SunLabs Sample Number **108500**
Sample Designation **MW-01 Duplicate**

Matrix: Groundwater
Date Collected: 9/10/2010 09:44
Date Received: 9/10/2010 11:07

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
RCRA Metals ppb									
Date Digested	3005		9/13/10						09/13/10 08:45
Date Analyzed	6010		9/13/2010	1				09/13/10 17:05	
Arsenic	6010	ug/L	4.8 U	1	4.8	19	7440-38-2	09/13/10 17:05	09/13/10 08:45

Report of Laboratory Analysis

SunLabs Project Number	GLE Associates, Inc.
100910.03	Project Description: Taylor Nursery

September 13, 2010

Footnotes

I	*The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.*
J	*The reported value failed to meet the established quality control criteria for either precision or accuracy(see cover letter for explanation)*
LCS	*Laboratory Control Sample*
LCSD	*Laboratory Control Sample Duplicate*
MB	*Method Blank*
MS	*Matrix Spike*
MSD	*Matrix Spike Duplicate*
NA	*Sample not analyzed at client's request.*
p	*SunLabs is not currently NELAC certified for this analyte.*
Q	*Sample held beyond the accepted holding time.*
RL	*RL(reporting limit) = PQL(practical quantitation limit).*
RPD	*Relative Percent Difference*
U	*Compound was analyzed for but not detected.*
V	*Indicates that the analyte was detected in both the sample and the associated method blank.*

Quality Control Data

Project Number	GLE Associates, Inc.
100910.03	Project Description: Taylor Nursery

September 13, 2010

Batch No: D5839

Test: Metals by EPA Method 6010

TestCode: 6010-L-ug/l

Associated Samples: 108499, 108500

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number									*108499*	*108499*					
Arsenic	4.8 U ug/L	1000	101	100	1	20	80-120	1000	99	98	1	20	75-125		

* indicates value is outside control limits for %Recovery or greater than acceptance criteria for RPD

Footnotes

U *Compound was analyzed for but not detected.*

SunLabs, Inc. Chain of Custody

№ 25414

Client Name: GLE
Contact: Michael Madonna
Address: 4300 W. Cypress St., Ste 400, Tampa, FL 33607
Phone / Fax: 8132418350 / 241-8737
E-Mail: mmadonna@glesassociates.com

SunLabs Project # 100910.03

Project Name: Taylor Nursery
Project #: 10310-00099
PO #:
Alt Bill To:

SunLabs Sample #	Sample Description	Sampled Date	Sampled Time	# of Bottles	Bottle Type	Preservative	Matrix	Analysis / Method Requested: Arsenic
					P	N	GW	
108499	MW-01	9/10/10	9:42	1				1
108500	MW-01 Duplicate	9/10/10	9:44	1				1

Due Date Requested*: 9/13/10 Rush

☐ FDEP PreApproval site
☐ Cash rates

Remarks / Comments:

Length of Record Retention if other than 5 years:* _____

Sampler Signature / Date: 9/10/2010

Printed Name / Affiliation: Michael Madonna / GLE

SUNLABS, INC. RESERVES THE RIGHT TO BILL FOR DISPOSAL OF UNUSED/ UNRETURNED SAMPLES AND TO RETURN UNUSED SAMPLES.

Relinquished By:	Relinquished To:	Date:	Time:
		9/7/10	1200
		9/10/10	1107

Bottle Type Codes:
GV = Glass Vial; GVS = Low Level Volatile Kit
GA = Glass Amber; T = Tedlar Bag
P = Plastic; O = Other (Specify)
S = Soil Jar

Preservative Codes:
H = Hydrochloric Acid + Ice; S = Sulfuric Acid + Ice
I = Ice only; VS = MeOH, OFW, + Ice
N = Nitric Acid + Ice; T = Sodium thiosulfate + ice
B = Sodium bisulfite + Ice; O = Other (Specify) _____

Matrix Codes:
A = Air; SO = Soil
DW = Drinking Water; SOL = Solid
GW = Ground Water; SW = Surface Water
SE = Sediment; W = Water (Blanks)
O = Other (Specify)

Internal Use Only

Sample Condition Upon Receipt:

Custody Seals present?	Y / (N) / NA
Custody Seals intact?	Y / N / (NA)
Shipping Bills attached?	Y / (N) / NA
Sample containers intact?	(Y) / N / NA
Samples within holding times?	(Y) / N / NA
Sufficient volume for all analyses?	(Y) / N / NA
Are vials head-space free?	Y / N / (NA)
Proper containers and preservatives?	(Y) / N / NA

Internal Use Only

Temp upon receipt: _____ °C

Received on Ice? Y / N / (NA)

SunLabs, Inc.
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e-mail: info@SunLabsInc.com www.SunLabsInc.com

Rev 12/09

* See General Terms and Conditions on Reverse

August 26, 2010

Michael Madonna
GLE Associates, Inc.
4300 W. Cypress Street
Suite 400
Tampa, FL 33607

Re: SunLabs Project Number: **100817.01**
Client Project Description: **Taylor Nursery**

Dear Mr. Madonna:

Enclosed is the report of laboratory analysis for the following samples:

Sample Number	Sample Description	Date Collected		Date Received
106979	HA-1/6"	8/16/2010	11:10	8/17/2010
106980	HA-4/SS-1/6"	8/16/2010	10:30	8/17/2010
106981	HA-5/SS-2/6"	8/16/2010	10:50	8/17/2010
106982	HA-10/SS-3/6"	8/16/2010	15:25	8/17/2010
106983	HA-11/SS-5/6"	8/16/2010	15:15	8/17/2010
106984	HA-12/SS-4/6"	8/16/2010	15:05	8/17/2010
106985	TMW-1	8/16/2010	9:42	8/17/2010
106986	TMW-2	8/16/2010	11:20	8/17/2010
106987	TMW-3	8/16/2010	13:14	8/17/2010
106988	TMW-3 Filtered	8/16/2010	13:14	8/17/2010
106989	TMW-4	8/16/2010	14:55	8/17/2010

Narrative:

Unless otherwise noted below or in the report and where applicable:

- Samples were received at the proper temperature and analyzed as received.
- Sample condition upon receipt is recorded on the chain-of-custody attached to this report.
- Results for all solid matrices are reported on a dry weight basis.
- Appropriate calibration and QC criteria were satisfactorily met.
- All applicable holding times for analytes have been met.
- Copies of the chains-of-custody, if received, are attached to this report.

QC Batch D5507 had exceptions on the MS/MSD RPD. The LCS and LCSD were acceptable, so the out of control was attributed to matrix.

QC Batch D5508 had an exception on the MSD and RPD. The LCS and LCSD were acceptable, so the out of control was attributed to matrix.

QC Batch D5514 had an exception on RPD for Chromium. The LCS and LCSD were acceptable, so the out of control was attributed to matrix.

QC Batch D5538 had exceptions on the RPD for Azinphos methyl and on the MS for monocrotophos. The LCS and LCSD were acceptable, so the out of control was attributed to matrix.

QC Batch D5540 had an exception on the RPD fo Azinphos methyl and on the MS for Monocrotophos and Ronnel. The LCS and LCSD were acceptable, so the out of control was attributed to matrix.

If you have any questions or comments concerning this report, please do not hesitate to contact us.

Sincerely,

Michael W. Palmer
Vice President, Laboratory Operations

Enclosures

Unless Otherwise Noted and Where Applicable:

The results herein relate only to the items tested or to the samples as received by the laboratory • This report shall not be reproduced except in full, without the written approval of SunLabs • All samples will be disposed of within 60 days of the date of receipt of the samples • All results meet the requirements of the NELAC standards • Uncertainty values are available upon request

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Tampa, Florida 33634

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Email: Info@SunLabsInc.com

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106979**
Sample Designation **HA-1/6"**

Matrix Soil
Date Collected 8/16/2010 11:10
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Florida Petroleum Range Organics(C8-C40)									
Date Extracted			08/17/10						08/17/10 11:00
Date Analyzed			8/17/2010	1				08/17/10 18:43	
C-39 (40-140)	FLPRO	%	44	1		1.3		08/17/10 18:43	08/17/10 11:00
o-Terphenyl (40-140)	FLPRO	%	68	1		1.3	84-15-1	08/17/10 18:43	08/17/10 11:00
Petroleum Range Organics	FLPRO	mg/kg	7.9 I	1	6.1	24		08/17/10 18:43	08/17/10 11:00
Percent Moisture									
% Moisture	160.3M	%	21			0.13		08/18/10	
Volatile Aromatics by EPA Method 8260									
Date Analyzed	8260		08/20/10	1				08/20/10 19:12	
Surrogate (28-135)	8260	%	106	1				08/20/10 19:12	
Benzene	8260	mg/kg	0.00049 U	1	0.00049	0.0049	71-43-2	08/20/10 19:12	
Chlorobenzene	8260	mg/kg	0.00059 U	1	0.00059	0.0049	108-90-7	08/20/10 19:12	
1,2-Dichlorobenzene	8260	mg/kg	0.00078 U	1	0.00078	0.0049	95-50-1	08/20/10 19:12	
1,3-Dichlorobenzene	8260	mg/kg	0.00085 U	1	0.00085	0.0049	541-73-1	08/20/10 19:12	
1,4-Dichlorobenzene	8260	mg/kg	0.00085 U	1	0.00085	0.0049	106-46-7	08/20/10 19:12	
Ethylbenzene	8260	mg/kg	0.0004 U	1	0.0004	0.0049	100-41-4	08/20/10 19:12	
MTBE	8260	mg/kg	0.00069 U	1	0.00069	0.0049	1634-04-4	08/20/10 19:12	
Toluene	8260	mg/kg	0.003 U	1	0.003	0.012	108-88-3	08/20/10 19:12	
Total Xylenes	8260	mg/kg	0.001 U	1	0.001	0.0049	1330-20-7	08/20/10 19:12	
Total VOA	8260	mg/kg	0.00069 U	1	0.00069	0.1		08/20/10 19:12	
Polynuclear Aromatic Hydrocarbons by Method 8270									
Date Extracted	3550		08/17/10						08/17/10 11:00
Date Analyzed	8270		8/18/2010	1				08/18/10 04:39	
Terphenyl-d14 (5-139)	8270	%	67	1			DEP-SURR-	08/18/10 04:39	08/17/10 11:00
Acenaphthene	8270	mg/kg	0.0027 U	1	0.0027	0.011	83-32-9	08/18/10 04:39	08/17/10 11:00
Acenaphthylene	8270	mg/kg	0.0028 U	1	0.0028	0.011	208-96-8	08/18/10 04:39	08/17/10 11:00
Anthracene	8270	mg/kg	0.0024 I	1	0.0022	0.0086	120-12-7	08/18/10 04:39	08/17/10 11:00
Benzo(a)anthracene	8270	mg/kg	0.0087	1	0.0019	0.0076	56-55-3	08/18/10 04:39	08/17/10 11:00
Benzo(a)pyrene	8270	mg/kg	0.010	1	0.0025	0.01	50-32-8	08/18/10 04:39	08/17/10 11:00
Benzo(b)fluoranthene	8270	mg/kg	0.0054 I	1	0.0034	0.014	205-99-2	08/18/10 04:39	08/17/10 11:00
Benzo(g,h,i)perylene	8270	mg/kg	0.010 I	1	0.0087	0.035	191-24-2	08/18/10 04:39	08/17/10 11:00
Benzo(k)fluoranthene	8270	mg/kg	0.0049 I	1	0.0024	0.0096	207-08-9	08/18/10 04:39	08/17/10 11:00
Chrysene	8270	mg/kg	0.011	1	0.0015	0.0061	218-01-9	08/18/10 04:39	08/17/10 11:00
Dibenzo(a,h)anthracene	8270	mg/kg	0.0092 U	1	0.0092	0.037	53-70-3	08/18/10 04:39	08/17/10 11:00
Fluoranthene	8270	mg/kg	0.018	1	0.0029	0.012	206-44-0	08/18/10 04:39	08/17/10 11:00
Fluorene	8270	mg/kg	0.0023 U	1	0.0023	0.0091	86-73-7	08/18/10 04:39	08/17/10 11:00
Indeno(1,2,3-cd)pyrene	8270	mg/kg	0.0091 U	1	0.0091	0.036	193-39-5	08/18/10 04:39	08/17/10 11:00
1-Methylnaphthalene	8270	mg/kg	0.0042 U	1	0.0042	0.017	90-12-0	08/18/10 04:39	08/17/10 11:00

Laboratory ID Number - E84809

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Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106979**
Sample Designation **HA-1/6"**

Matrix Soil
Date Collected 8/16/2010 11:10
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Polynuclear Aromatic Hydrocarbons by Method 8270									
2-Methylnaphthalene	8270	mg/kg	0.0035 U	1	0.0035	0.014	91-57-6	08/18/10 04:39	08/17/10 11:00
Naphthalene	8270	mg/kg	0.007 U	1	0.007	0.028	91-20-3	08/18/10 04:39	08/17/10 11:00
Phenanthrene	8270	mg/kg	0.0086 I	1	0.0035	0.014	85-01-8	08/18/10 04:39	08/17/10 11:00
Pyrene	8270	mg/kg	0.019 I	1	0.0087	0.035	129-00-0	08/18/10 04:39	08/17/10 11:00

Laboratory ID Number - E84809

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Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106980**
Sample Designation **HA-4/SS-1/6"**

Matrix Soil
Date Collected 8/16/2010 10:30
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organochlorine Pesticides by EPA Method 8081									
Date Extracted	3545a		08/18/10						08/18/10 15:45
Date Analyzed			8/24/10	1				08/24/10 19:50	
2,4,5,6-tetrachloro-m-xylene (16-141)	8081	%	88	1		1.2	DEP-SURR-	08/24/10 19:50	08/18/10 15:45
Aldrin	8081	mg/kg	0.0026 U	1	0.0026	0.01	309-00-2	08/24/10 19:50	08/18/10 15:45
a-BHC	8081	mg/kg	0.0035 U	1	0.0035	0.014	319-84-6	08/24/10 19:50	08/18/10 15:45
b-BHC	8081	mg/kg	0.0021 U	1	0.0021	0.0086	319-85-7	08/24/10 19:50	08/18/10 15:45
d-BHC	8081	mg/kg	0.0026 U	1	0.0026	0.01	319-86-8	08/24/10 19:50	08/18/10 15:45
a-Chlordane	8081	mg/kg	0.069	1	0.0027	0.011	5103-71-9	08/24/10 19:50	08/18/10 15:45
g-Chlordane	8081	mg/kg	0.070	1	0.002	0.0081	5103-74-2	08/24/10 19:50	08/18/10 15:45
4,4'-DDD	8081	mg/kg	0.0021 U	1	0.0021	0.0086	72-54-8	08/24/10 19:50	08/18/10 15:45
4,4'-DDE	8081	mg/kg	0.002 U	1	0.002	0.0081	72-55-9	08/24/10 19:50	08/18/10 15:45
4,4'-DDT	8081	mg/kg	0.00076 U	1	0.00076	0.0031	50-29-3	08/24/10 19:50	08/18/10 15:45
Dieldrin	8081	mg/kg	0.0019 U	1	0.0019	0.0076	60-57-1	08/24/10 19:50	08/18/10 15:45
Endosulfan I	8081	mg/kg	0.0019 U	1	0.0019	0.0076	959-98-8	08/24/10 19:50	08/18/10 15:45
Endosulfan II	8081	mg/kg	0.0019 U	1	0.0019	0.0076	33213-65-9	08/24/10 19:50	08/18/10 15:45
Endosulfan sulfate	8081	mg/kg	0.0014 U	1	0.0014	0.0057	1031-07-8	08/24/10 19:50	08/18/10 15:45
Endrin	8081	mg/kg	0.002 U	1	0.002	0.0081	72-20-8	08/24/10 19:50	08/18/10 15:45
Endrin aldehyde	8081	mg/kg	0.0019 U	1	0.0019	0.0076	7421-93-4	08/24/10 19:50	08/18/10 15:45
Endrin ketone	8081	mg/kg	0.0015 U	1	0.0015	0.0062	53494-70-5	08/24/10 19:50	08/18/10 15:45
Heptachlor	8081	mg/kg	0.0023 U	1	0.0023	0.009	76-44-8	08/24/10 19:50	08/18/10 15:45
Heptachlor epoxide	8081	mg/kg	0.002 U	1	0.002	0.0081	1024-57-3	08/24/10 19:50	08/18/10 15:45
Lindane	8081	mg/kg	0.00071 U	1	0.00071	0.003	58-89-9	08/24/10 19:50	08/18/10 15:45
Methoxychlor	8081	mg/kg	0.0023 U	1	0.0023	0.009	72-43-5	08/24/10 19:50	08/18/10 15:45
Mirex	8081	mg/kg	0.0076 U	1	0.0076	0.031	2385-85-5	08/24/10 19:50	08/18/10 15:45
Toxaphene	8081	mg/kg	0.088 U	1	0.088	0.36	8001-35-2	08/24/10 19:50	08/18/10 15:45
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		08/17/10						08/17/10 15:15
Date Analyzed	8151		8/21/10	1				08/21/10 01:46	
2,4-Dichlorophenylacetic acid (5-120)	8151	%	103	1		1.2	DEP-SURR-	08/21/10 01:46	08/17/10 15:15
2,4-D	8151	mg/kg	0.051 U	1	0.051	0.2	94-75-7	08/21/10 01:46	08/17/10 15:15
Dalapon	8151	mg/kg	0.23 U	1	0.23	0.9	75-99-0	08/21/10 01:46	08/17/10 15:15
2,4-DB	8151	mg/kg	0.061 U	1	0.061	0.24	94-82-6	08/21/10 01:46	08/17/10 15:15
Dicamba	8151	mg/kg	0.032 U	1	0.032	0.13	1918-00-9	08/21/10 01:46	08/17/10 15:15
Dichloroprop	8151	mg/kg	0.035 U	1	0.035	0.14	120-36-5	08/21/10 01:46	08/17/10 15:15
Dinoseb	8151	mg/kg	0.045 U	1	0.045	0.18	88-85-7	08/21/10 01:46	08/17/10 15:15
MCPA	8151	mg/kg	0.55 U	1	0.55	2.1	94-74-6	08/21/10 01:46	08/17/10 15:15
MCPP	8151	mg/kg	0.58 U	1	0.58	2.4	93-65-2	08/21/10 01:46	08/17/10 15:15
Picloram	8151	mg/kg	0.027 U	1	0.027	0.11	1918-02-1	08/21/10 01:46	08/17/10 15:15
Silvex	8151	mg/kg	0.18 U	1	0.18	0.71	93-72-1	08/21/10 01:46	08/17/10 15:15
2,4,5-T	8151	mg/kg	0.033 U	1	0.033	0.13	93-76-5	08/21/10 01:46	08/17/10 15:15

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106980**
Sample Designation **HA-4/SS-1/6"**

Matrix Soil
Date Collected 8/16/2010 10:30
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
RCRA Metals									
Date Digested	3050		8/18/10						08/18/10 10:40
Date Analyzed	6010		8/19/2010	1				08/19/10 20:49	
Arsenic	6010	mg/kg	1.5	1	0.24	0.95	7440-38-2	08/19/10 20:49	08/18/10 10:40
Cadmium	6010	mg/kg	0.091 I	1	0.036	0.14	7440-43-9	08/19/10 20:49	08/18/10 10:40
Chromium	6010	mg/kg	8.8	1	0.24	0.95	7440-47-3	08/19/10 20:49	08/18/10 10:40
Percent Moisture									
% Moisture	160.3M	%	16			0.12		08/18/10	
Organophosphorus Pesticides									
Date Extracted	3545a		08/18/10						08/18/10 15:30
p-terphenyl-d14 (5-130)	8270	%	81	1			DEP-SURR-	08/19/10 20:21	08/18/10 15:30
Aspon	8270SLI	mg/kg	0.0071 U	1	0.0071	0.12	3244-90-4	08/19/10 20:21	08/18/10 15:30
Atrazine	8270SLI	mg/kg	0.017 U	1	0.017	0.12	1912-24-9	08/19/10 20:21	08/18/10 15:30
Azinphos ethyl	8270SLI	mg/kg	0.024 U	1	0.024	0.12	2642-71-9	08/19/10 20:21	08/18/10 15:30
Azinphos methyl	8270	mg/kg	0.015 U	1	0.015	0.12	86-50-0	08/19/10 20:21	08/18/10 15:30
Bolstar	8270SLI	mg/kg	0.014 U	1	0.014	0.12	35400-43-2	08/19/10 20:21	08/18/10 15:30
Carbophenothion	8270	mg/kg	0.0071 U	1	0.0071	0.12	786-19-6	08/19/10 20:21	08/18/10 15:30
Chlorfenvinphos	8270	mg/kg	0.013 U	1	0.013	0.12	470-90-6	08/19/10 20:21	08/18/10 15:30
Chlorpyrifos	8270SLI	mg/kg	0.021 U	1	0.021	0.12	2921-88-2	08/19/10 20:21	08/18/10 15:30
Chlorpyrifos Methyl	8270SLI	mg/kg	0.014 U	1	0.014	0.12	5598-13-0	08/19/10 20:21	08/18/10 15:30
Coumaphos	8270	mg/kg	0.02 U	1	0.02	0.12	56-72-4	08/19/10 20:21	08/18/10 15:30
Crotoxyphos	8270	mg/kg	0.02 U	1	0.02	0.12	7700-17-6	08/19/10 20:21	08/18/10 15:30
Demeton-O+S	8270	mg/kg	0.026 U	1	0.026	0.12	8065-48-3	08/19/10 20:21	08/18/10 15:30
Diazinon	8270SLI	mg/kg	0.017 U	1	0.017	0.12	333-41-5	08/19/10 20:21	08/18/10 15:30
Dichlorofenthion	8270SLI	mg/kg	0.0024 U	1	0.0024	0.12	97-17-6	08/19/10 20:21	08/18/10 15:30
Dichlorvos	8270	mg/kg	0.014 U	1	0.014	0.12	62-73-7	08/19/10 20:21	08/18/10 15:30
Dicrotophos	8270	mg/kg	0.015 U	1	0.015	0.12	141-66-2	08/19/10 20:21	08/18/10 15:30
Dimethoate	8270	mg/kg	0.011 U	1	0.011	0.12	60-51-5	08/19/10 20:21	08/18/10 15:30
Disulfoton	8270	mg/kg	0.025 U	1	0.025	0.12	298-04-4	08/19/10 20:21	08/18/10 15:30
EPN	8270	mg/kg	0.013 U	1	0.013	0.12	2104-64-5	08/19/10 20:21	08/18/10 15:30
Ethion	8270	mg/kg	0.015 U	1	0.015	0.12	563-12-2	08/19/10 20:21	08/18/10 15:30
Ethoprop	8270SLI	mg/kg	0.012 U	1	0.012	0.12	13194-48-4	08/19/10 20:21	08/18/10 15:30
Famphur	8270	mg/kg	0.021 U	1	0.021	0.12	52-85-7	08/19/10 20:21	08/18/10 15:30
Fenitrothion	8270SLI	mg/kg	0.11 U	1	0.11	0.45	122-14-5	08/19/10 20:21	08/18/10 15:30
Fensulfothion	8270	mg/kg	0.014 U	1	0.014	0.12	115-90-2	08/19/10 20:21	08/18/10 15:30
Fenthion	8270	mg/kg	0.012 U	1	0.012	0.12	55-38-9	08/19/10 20:21	08/18/10 15:30
Fonophos	8270SLI	mg/kg	0.012 U	1	0.012	0.12	944-22-9	08/19/10 20:21	08/18/10 15:30
Leptophos	8270	mg/kg	0.014 U	1	0.014	0.12	21609-90-5	08/19/10 20:21	08/18/10 15:30
Malathion	8270	mg/kg	0.013 U	1	0.013	0.12	121-75-5	08/19/10 20:21	08/18/10 15:30
Merphos	8270SLI	mg/kg	0.019 U	1	0.019	0.12	150-50-5	08/19/10 20:21	08/18/10 15:30

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106980**
Sample Designation **HA-4/SS-1/6"**

Matrix Soil
Date Collected 8/16/2010 10:30
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Methyl Parathion	8270	mg/kg	0.0083 U	1	0.0083	0.12	298-00-0	08/19/10 20:21	08/18/10 15:30
Mevinphos	8270	mg/kg	0.012 U	1	0.012	0.12	7786-34-7	08/19/10 20:21	08/18/10 15:30
Monocrotophos	8270	mg/kg	0.013 U	1	0.013	0.12	6923-22-4	08/19/10 20:21	08/18/10 15:30
Naled	8270	mg/kg	0.014 U	1	0.014	0.12	300-76-5	08/19/10 20:21	08/18/10 15:30
Parathion	8270	mg/kg	0.0095 U	1	0.0095	0.12	56-38-2	08/19/10 20:21	08/18/10 15:30
Phorate	8270	mg/kg	0.0024 U	1	0.0024	0.12	298-02-2	08/19/10 20:21	08/18/10 15:30
Phosmet	8270	mg/kg	0.0083 U	1	0.0083	0.12	732-11-6	08/19/10 20:21	08/18/10 15:30
Phosphamidon	8270	mg/kg	0.02 U	1	0.02	0.12	13171-21-6	08/19/10 20:21	08/18/10 15:30
Ronnel	8270SLI	mg/kg	0.014 U	1	0.014	0.12	299-84-3	08/19/10 20:21	08/18/10 15:30
Simazine	8270SLI	mg/kg	0.015 U	1	0.015	0.12	122-34-9	08/19/10 20:21	08/18/10 15:30
Stirofos	8270	mg/kg	0.014 U	1	0.014	0.12	961-11-5	08/19/10 20:21	08/18/10 15:30
Sulfotepp	8270	mg/kg	0.014 U	1	0.014	0.12	3689-24-5	08/19/10 20:21	08/18/10 15:30
TEPP	8270	mg/kg	0.014 U	1	0.014	0.12	107-49-3	08/19/10 20:21	08/18/10 15:30
Terbufos	8270	mg/kg	0.0024 U	1	0.0024	0.12	13071-79-9	08/19/10 20:21	08/18/10 15:30
Thionazin	8270	mg/kg	0.014 U	1	0.014	0.12	297-97-2	08/19/10 20:21	08/18/10 15:30
Tokuthion	8270SLI	mg/kg	0.015 U	1	0.015	0.12	34643-46-4	08/19/10 20:21	08/18/10 15:30
Trichloronate	8270SLI	mg/kg	0.014 U	1	0.014	0.12	327-98-0	08/19/10 20:21	08/18/10 15:30
Chlordane, Technical									
Chlordane, CAS# 57-74-9	8081	mg/kg	0.33	1	0.015	0.062	57-74-9	08/26/10 10:01	

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106981**
Sample Designation **HA-5/SS-2/6"**

Matrix Soil
Date Collected 8/16/2010 10:50
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organochlorine Pesticides by EPA Method 8081									
Date Extracted	3545a		08/18/10						08/18/10 15:45
Date Analyzed			8/24/10	1				08/24/10 20:14	
2,4,5,6-tetrachloro-m-xylene (16-141)	8081	%	66	1		1.2	DEP-SURR-	08/24/10 20:14	08/18/10 15:45
Aldrin	8081	mg/kg	0.0026 U	1	0.0026	0.01	309-00-2	08/24/10 20:14	08/18/10 15:45
a-BHC	8081	mg/kg	0.0034 U	1	0.0034	0.014	319-84-6	08/24/10 20:14	08/18/10 15:45
b-BHC	8081	mg/kg	0.0021 U	1	0.0021	0.0084	319-85-7	08/24/10 20:14	08/18/10 15:45
d-BHC	8081	mg/kg	0.0026 U	1	0.0026	0.01	319-86-8	08/24/10 20:14	08/18/10 15:45
a-Chlordane	8081	mg/kg	0.023	1	0.0027	0.011	5103-71-9	08/24/10 20:14	08/18/10 15:45
g-Chlordane	8081	mg/kg	0.013	1	0.002	0.0079	5103-74-2	08/24/10 20:14	08/18/10 15:45
4,4'-DDD	8081	mg/kg	0.0021 U	1	0.0021	0.0084	72-54-8	08/24/10 20:14	08/18/10 15:45
4,4'-DDE	8081	mg/kg	0.002 U	1	0.002	0.0079	72-55-9	08/24/10 20:14	08/18/10 15:45
4,4'-DDT	8081	mg/kg	0.00074 U	1	0.00074	0.003	50-29-3	08/24/10 20:14	08/18/10 15:45
Dieldrin	8081	mg/kg	0.0019 U	1	0.0019	0.0074	60-57-1	08/24/10 20:14	08/18/10 15:45
Endosulfan I	8081	mg/kg	0.0019 U	1	0.0019	0.0074	959-98-8	08/24/10 20:14	08/18/10 15:45
Endosulfan II	8081	mg/kg	0.0019 U	1	0.0019	0.0074	33213-65-9	08/24/10 20:14	08/18/10 15:45
Endosulfan sulfate	8081	mg/kg	0.0014 U	1	0.0014	0.0056	1031-07-8	08/24/10 20:14	08/18/10 15:45
Endrin	8081	mg/kg	0.002 U	1	0.002	0.0079	72-20-8	08/24/10 20:14	08/18/10 15:45
Endrin aldehyde	8081	mg/kg	0.0019 U	1	0.0019	0.0074	7421-93-4	08/24/10 20:14	08/18/10 15:45
Endrin ketone	8081	mg/kg	0.0015 U	1	0.0015	0.006	53494-70-5	08/24/10 20:14	08/18/10 15:45
Heptachlor	8081	mg/kg	0.0022 U	1	0.0022	0.0088	76-44-8	08/24/10 20:14	08/18/10 15:45
Heptachlor epoxide	8081	mg/kg	0.002 U	1	0.002	0.0079	1024-57-3	08/24/10 20:14	08/18/10 15:45
Lindane	8081	mg/kg	0.0007 U	1	0.0007	0.0029	58-89-9	08/24/10 20:14	08/18/10 15:45
Methoxychlor	8081	mg/kg	0.0022 U	1	0.0022	0.0088	72-43-5	08/24/10 20:14	08/18/10 15:45
Mirex	8081	mg/kg	0.0074 U	1	0.0074	0.03	2385-85-5	08/24/10 20:14	08/18/10 15:45
Toxaphene	8081	mg/kg	0.086 U	1	0.086	0.35	8001-35-2	08/24/10 20:14	08/18/10 15:45
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		08/17/10						08/17/10 15:15
Date Analyzed	8151		8/21/10	1				08/21/10 02:09	
2,4-Dichlorophenylacetic acid (5-120)	8151	%	100	1		1.2	DEP-SURR-	08/21/10 02:09	08/17/10 15:15
2,4-D	8151	mg/kg	0.05 U	1	0.05	0.2	94-75-7	08/21/10 02:09	08/17/10 15:15
Dalapon	8151	mg/kg	0.22 U	1	0.22	0.88	75-99-0	08/21/10 02:09	08/17/10 15:15
2,4-DB	8151	mg/kg	0.059 U	1	0.059	0.23	94-82-6	08/21/10 02:09	08/17/10 15:15
Dicamba	8151	mg/kg	0.031 U	1	0.031	0.13	1918-00-9	08/21/10 02:09	08/17/10 15:15
Dichloroprop	8151	mg/kg	0.034 U	1	0.034	0.14	120-36-5	08/21/10 02:09	08/17/10 15:15
Dinoseb	8151	mg/kg	0.044 U	1	0.044	0.17	88-85-7	08/21/10 02:09	08/17/10 15:15
MCPA	8151	mg/kg	0.53 U	1	0.53	2.1	94-74-6	08/21/10 02:09	08/17/10 15:15
MCPP	8151	mg/kg	0.57 U	1	0.57	2.3	93-65-2	08/21/10 02:09	08/17/10 15:15
Picloram	8151	mg/kg	0.027 U	1	0.027	0.1	1918-02-1	08/21/10 02:09	08/17/10 15:15
Silvex	8151	mg/kg	0.17 U	1	0.17	0.7	93-72-1	08/21/10 02:09	08/17/10 15:15
2,4,5-T	8151	mg/kg	0.033 U	1	0.033	0.13	93-76-5	08/21/10 02:09	08/17/10 15:15

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106981**
Sample Designation **HA-5/SS-2/6"**

Matrix Soil
Date Collected 8/16/2010 10:50
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
RCRA Metals									
Date Digested	3050		8/18/10						08/18/10 10:40
Date Analyzed	6010		8/19/2010	1				08/19/10 20:57	
Arsenic	6010	mg/kg	1.8	1	0.23	0.93	7440-38-2	08/19/10 20:57	08/18/10 10:40
Cadmium	6010	mg/kg	0.035 U	1	0.035	0.14	7440-43-9	08/19/10 20:57	08/18/10 10:40
Chromium	6010	mg/kg	7.4	1	0.23	0.93	7440-47-3	08/19/10 20:57	08/18/10 10:40
Percent Moisture									
% Moisture	160.3M	%	14			0.12		08/18/10	
Organophosphorus Pesticides									
Date Extracted	3545a		08/18/10						08/18/10 15:30
p-terphenyl-d14 (5-130)	8270	%	77	1			DEP-SURR-	08/19/10 20:40	08/18/10 15:30
Aspon	8270SLI	mg/kg	0.007 U	1	0.007	0.12	3244-90-4	08/19/10 20:40	08/18/10 15:30
Atrazine	8270SLI	mg/kg	0.016 U	1	0.016	0.12	1912-24-9	08/19/10 20:40	08/18/10 15:30
Azinphos ethyl	8270SLI	mg/kg	0.023 U	1	0.023	0.12	2642-71-9	08/19/10 20:40	08/18/10 15:30
Azinphos methyl	8270	mg/kg	0.015 U	1	0.015	0.12	86-50-0	08/19/10 20:40	08/18/10 15:30
Bolstar	8270SLI	mg/kg	0.014 U	1	0.014	0.12	35400-43-2	08/19/10 20:40	08/18/10 15:30
Carbophenothion	8270	mg/kg	0.007 U	1	0.007	0.12	786-19-6	08/19/10 20:40	08/18/10 15:30
Chlorfenvinphos	8270	mg/kg	0.013 U	1	0.013	0.12	470-90-6	08/19/10 20:40	08/18/10 15:30
Chlorpyrifos	8270SLI	mg/kg	0.021 U	1	0.021	0.12	2921-88-2	08/19/10 20:40	08/18/10 15:30
Chlorpyrifos Methyl	8270SLI	mg/kg	0.014 U	1	0.014	0.12	5598-13-0	08/19/10 20:40	08/18/10 15:30
Coumaphos	8270	mg/kg	0.02 U	1	0.02	0.12	56-72-4	08/19/10 20:40	08/18/10 15:30
Crotoxyphos	8270	mg/kg	0.02 U	1	0.02	0.12	7700-17-6	08/19/10 20:40	08/18/10 15:30
Demeton-O+S	8270	mg/kg	0.026 U	1	0.026	0.12	8065-48-3	08/19/10 20:40	08/18/10 15:30
Diazinon	8270SLI	mg/kg	0.016 U	1	0.016	0.12	333-41-5	08/19/10 20:40	08/18/10 15:30
Dichlorofenthion	8270SLI	mg/kg	0.0023 U	1	0.0023	0.12	97-17-6	08/19/10 20:40	08/18/10 15:30
Dichlorvos	8270	mg/kg	0.014 U	1	0.014	0.12	62-73-7	08/19/10 20:40	08/18/10 15:30
Dicrotophos	8270	mg/kg	0.015 U	1	0.015	0.12	141-66-2	08/19/10 20:40	08/18/10 15:30
Dimethoate	8270	mg/kg	0.01 U	1	0.01	0.12	60-51-5	08/19/10 20:40	08/18/10 15:30
Disulfoton	8270	mg/kg	0.024 U	1	0.024	0.12	298-04-4	08/19/10 20:40	08/18/10 15:30
EPN	8270	mg/kg	0.013 U	1	0.013	0.12	2104-64-5	08/19/10 20:40	08/18/10 15:30
Ethion	8270	mg/kg	0.015 U	1	0.015	0.12	563-12-2	08/19/10 20:40	08/18/10 15:30
Ethoprop	8270SLI	mg/kg	0.012 U	1	0.012	0.12	13194-48-4	08/19/10 20:40	08/18/10 15:30
Famphur	8270	mg/kg	0.021 U	1	0.021	0.12	52-85-7	08/19/10 20:40	08/18/10 15:30
Fenitrothion	8270SLI	mg/kg	0.11 U	1	0.11	0.44	122-14-5	08/19/10 20:40	08/18/10 15:30
Fensulfothion	8270	mg/kg	0.014 U	1	0.014	0.12	115-90-2	08/19/10 20:40	08/18/10 15:30
Fenthion	8270	mg/kg	0.012 U	1	0.012	0.12	55-38-9	08/19/10 20:40	08/18/10 15:30
Fonophos	8270SLI	mg/kg	0.012 U	1	0.012	0.12	944-22-9	08/19/10 20:40	08/18/10 15:30
Leptophos	8270	mg/kg	0.014 U	1	0.014	0.12	21609-90-5	08/19/10 20:40	08/18/10 15:30
Malathion	8270	mg/kg	0.013 U	1	0.013	0.12	121-75-5	08/19/10 20:40	08/18/10 15:30
Merphos	8270SLI	mg/kg	0.019 U	1	0.019	0.12	150-50-5	08/19/10 20:40	08/18/10 15:30

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106981**
Sample Designation **HA-5/SS-2/6"**

Matrix Soil
Date Collected 8/16/2010 10:50
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Methyl Parathion	8270	mg/kg	0.0081 U	1	0.0081	0.12	298-00-0	08/19/10 20:40	08/18/10 15:30
Mevinphos	8270	mg/kg	0.012 U	1	0.012	0.12	7786-34-7	08/19/10 20:40	08/18/10 15:30
Monocrotophos	8270	mg/kg	0.013 U	1	0.013	0.12	6923-22-4	08/19/10 20:40	08/18/10 15:30
Naled	8270	mg/kg	0.014 U	1	0.014	0.12	300-76-5	08/19/10 20:40	08/18/10 15:30
Parathion	8270	mg/kg	0.0093 U	1	0.0093	0.12	56-38-2	08/19/10 20:40	08/18/10 15:30
Phorate	8270	mg/kg	0.0023 U	1	0.0023	0.12	298-02-2	08/19/10 20:40	08/18/10 15:30
Phosmet	8270	mg/kg	0.0081 U	1	0.0081	0.12	732-11-6	08/19/10 20:40	08/18/10 15:30
Phosphamidon	8270	mg/kg	0.02 U	1	0.02	0.12	13171-21-6	08/19/10 20:40	08/18/10 15:30
Ronnel	8270SLI	mg/kg	0.014 U	1	0.014	0.12	299-84-3	08/19/10 20:40	08/18/10 15:30
Simazine	8270SLI	mg/kg	0.015 U	1	0.015	0.12	122-34-9	08/19/10 20:40	08/18/10 15:30
Stirofos	8270	mg/kg	0.014 U	1	0.014	0.12	961-11-5	08/19/10 20:40	08/18/10 15:30
Sulfotepp	8270	mg/kg	0.014 U	1	0.014	0.12	3689-24-5	08/19/10 20:40	08/18/10 15:30
TEPP	8270	mg/kg	0.014 U	1	0.014	0.12	107-49-3	08/19/10 20:40	08/18/10 15:30
Terbufos	8270	mg/kg	0.0023 U	1	0.0023	0.12	13071-79-9	08/19/10 20:40	08/18/10 15:30
Thionazin	8270	mg/kg	0.014 U	1	0.014	0.12	297-97-2	08/19/10 20:40	08/18/10 15:30
Tokuthion	8270SLI	mg/kg	0.015 U	1	0.015	0.12	34643-46-4	08/19/10 20:40	08/18/10 15:30
Trichloronate	8270SLI	mg/kg	0.014 U	1	0.014	0.12	327-98-0	08/19/10 20:40	08/18/10 15:30
Chlordane, Technical									
Chlordane, CAS# 57-74-9	8081	mg/kg	0.17	1	0.015	0.06	57-74-9	08/26/10 10:13	

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106982**
Sample Designation **HA-10/SS-3/6"**

Matrix Soil
Date Collected 8/16/2010 15:25
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organochlorine Pesticides by EPA Method 8081									
Date Extracted	3545a		08/18/10						08/18/10 15:45
Date Analyzed			8/24/10	1				08/24/10 20:38	
2,4,5,6-tetrachloro-m-xylene (16-141)	8081	%	87	1		1.1	DEP-SURR-	08/24/10 20:38	08/18/10 15:45
Aldrin	8081	mg/kg	0.0024 U	1	0.0024	0.0096	309-00-2	08/24/10 20:38	08/18/10 15:45
a-BHC	8081	mg/kg	0.0032 U	1	0.0032	0.013	319-84-6	08/24/10 20:38	08/18/10 15:45
b-BHC	8081	mg/kg	0.002 U	1	0.002	0.0078	319-85-7	08/24/10 20:38	08/18/10 15:45
d-BHC	8081	mg/kg	0.0024 U	1	0.0024	0.0096	319-86-8	08/24/10 20:38	08/18/10 15:45
a-Chlordane	8081	mg/kg	0.0025 U	1	0.0025	0.01	5103-71-9	08/24/10 20:38	08/18/10 15:45
g-Chlordane	8081	mg/kg	0.0018 U	1	0.0018	0.0074	5103-74-2	08/24/10 20:38	08/18/10 15:45
4,4'-DDD	8081	mg/kg	0.002 U	1	0.002	0.0078	72-54-8	08/24/10 20:38	08/18/10 15:45
4,4'-DDE	8081	mg/kg	0.0018 U	1	0.0018	0.0074	72-55-9	08/24/10 20:38	08/18/10 15:45
4,4'-DDT	8081	mg/kg	0.0007 U	1	0.0007	0.0028	50-29-3	08/24/10 20:38	08/18/10 15:45
Dieldrin	8081	mg/kg	0.0017 U	1	0.0017	0.007	60-57-1	08/24/10 20:38	08/18/10 15:45
Endosulfan I	8081	mg/kg	0.0017 U	1	0.0017	0.007	959-98-8	08/24/10 20:38	08/18/10 15:45
Endosulfan II	8081	mg/kg	0.0017 U	1	0.0017	0.007	33213-65-9	08/24/10 20:38	08/18/10 15:45
Endosulfan sulfate	8081	mg/kg	0.0013 U	1	0.0013	0.0052	1031-07-8	08/24/10 20:38	08/18/10 15:45
Endrin	8081	mg/kg	0.0018 U	1	0.0018	0.0074	72-20-8	08/24/10 20:38	08/18/10 15:45
Endrin aldehyde	8081	mg/kg	0.0017 U	1	0.0017	0.007	7421-93-4	08/24/10 20:38	08/18/10 15:45
Endrin ketone	8081	mg/kg	0.0014 U	1	0.0014	0.0057	53494-70-5	08/24/10 20:38	08/18/10 15:45
Heptachlor	8081	mg/kg	0.0021 U	1	0.0021	0.0083	76-44-8	08/24/10 20:38	08/18/10 15:45
Heptachlor epoxide	8081	mg/kg	0.0018 U	1	0.0018	0.0074	1024-57-3	08/24/10 20:38	08/18/10 15:45
Lindane	8081	mg/kg	0.00065 U	1	0.00065	0.0027	58-89-9	08/24/10 20:38	08/18/10 15:45
Methoxychlor	8081	mg/kg	0.0021 U	1	0.0021	0.0083	72-43-5	08/24/10 20:38	08/18/10 15:45
Mirex	8081	mg/kg	0.007 U	1	0.007	0.028	2385-85-5	08/24/10 20:38	08/18/10 15:45
Toxaphene	8081	mg/kg	0.08 U	1	0.08	0.33	8001-35-2	08/24/10 20:38	08/18/10 15:45
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		08/17/10						08/17/10 15:15
Date Analyzed	8151		8/21/10	1				08/21/10 02:31	
2,4-Dichlorophenylacetic acid (5-120)	8151	%	130	1		1.1	DEP-SURR-	08/21/10 02:31	08/17/10 15:15
2,4-D	8151	mg/kg	0.047 U	1	0.047	0.18	94-75-7	08/21/10 02:31	08/17/10 15:15
Dalapon	8151	mg/kg	0.21 U	1	0.21	0.83	75-99-0	08/21/10 02:31	08/17/10 15:15
2,4-DB	8151	mg/kg	0.055 U	1	0.055	0.22	94-82-6	08/21/10 02:31	08/17/10 15:15
Dicamba	8151	mg/kg	0.029 U	1	0.029	0.12	1918-00-9	08/21/10 02:31	08/17/10 15:15
Dichloroprop	8151	mg/kg	0.032 U	1	0.032	0.13	120-36-5	08/21/10 02:31	08/17/10 15:15
Dinoseb	8151	mg/kg	0.041 U	1	0.041	0.16	88-85-7	08/21/10 02:31	08/17/10 15:15
MCPA	8151	mg/kg	0.5 U	1	0.5	2	94-74-6	08/21/10 02:31	08/17/10 15:15
MCPP	8151	mg/kg	0.53 U	1	0.53	2.2	93-65-2	08/21/10 02:31	08/17/10 15:15
Picloram	8151	mg/kg	0.025 U	1	0.025	0.098	1918-02-1	08/21/10 02:31	08/17/10 15:15
Silvex	8151	mg/kg	0.16 U	1	0.16	0.65	93-72-1	08/21/10 02:31	08/17/10 15:15
2,4,5-T	8151	mg/kg	0.03 U	1	0.03	0.12	93-76-5	08/21/10 02:31	08/17/10 15:15

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106982**
Sample Designation **HA-10/SS-3/6"**

Matrix Soil
Date Collected 8/16/2010 15:25
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
RCRA Metals									
Date Digested	3050		8/18/10						08/18/10 10:40
Date Analyzed	6010		8/19/2010	1				08/19/10 21:00	
Arsenic	6010	mg/kg	0.67 I	1	0.22	0.87	7440-38-2	08/19/10 21:00	08/18/10 10:40
Cadmium	6010	mg/kg	0.033 U	1	0.033	0.13	7440-43-9	08/19/10 21:00	08/18/10 10:40
Chromium	6010	mg/kg	4.8	1	0.22	0.87	7440-47-3	08/19/10 21:00	08/18/10 10:40
Percent Moisture									
% Moisture	160.3M	%	8			0.11		08/18/10	
Organophosphorus Pesticides									
Date Extracted	3545a		08/18/10						08/18/10 15:30
p-terphenyl-d14 (5-130)	8270	%	66	1			DEP-SURR-	08/19/10 20:59	08/18/10 15:30
Aspon	8270SLI	mg/kg	0.0065 U	1	0.0065	0.11	3244-90-4	08/19/10 20:59	08/18/10 15:30
Atrazine	8270SLI	mg/kg	0.015 U	1	0.015	0.11	1912-24-9	08/19/10 20:59	08/18/10 15:30
Azinphos ethyl	8270SLI	mg/kg	0.022 U	1	0.022	0.11	2642-71-9	08/19/10 20:59	08/18/10 15:30
Azinphos methyl	8270	mg/kg	0.014 U	1	0.014	0.11	86-50-0	08/19/10 20:59	08/18/10 15:30
Bolstar	8270SLI	mg/kg	0.013 U	1	0.013	0.11	35400-43-2	08/19/10 20:59	08/18/10 15:30
Carbophenothion	8270	mg/kg	0.0065 U	1	0.0065	0.11	786-19-6	08/19/10 20:59	08/18/10 15:30
Chlorfenvinphos	8270	mg/kg	0.012 U	1	0.012	0.11	470-90-6	08/19/10 20:59	08/18/10 15:30
Chlorpyrifos	8270SLI	mg/kg	0.02 U	1	0.02	0.11	2921-88-2	08/19/10 20:59	08/18/10 15:30
Chlorpyrifos Methyl	8270SLI	mg/kg	0.013 U	1	0.013	0.11	5598-13-0	08/19/10 20:59	08/18/10 15:30
Coumaphos	8270	mg/kg	0.018 U	1	0.018	0.11	56-72-4	08/19/10 20:59	08/18/10 15:30
Crotoxyphos	8270	mg/kg	0.018 U	1	0.018	0.11	7700-17-6	08/19/10 20:59	08/18/10 15:30
Demeton-O+S	8270	mg/kg	0.024 U	1	0.024	0.11	8065-48-3	08/19/10 20:59	08/18/10 15:30
Diazinon	8270SLI	mg/kg	0.015 U	1	0.015	0.11	333-41-5	08/19/10 20:59	08/18/10 15:30
Dichlorofenthion	8270SLI	mg/kg	0.0022 U	1	0.0022	0.11	97-17-6	08/19/10 20:59	08/18/10 15:30
Dichlorvos	8270	mg/kg	0.013 U	1	0.013	0.11	62-73-7	08/19/10 20:59	08/18/10 15:30
Dicrotophos	8270	mg/kg	0.014 U	1	0.014	0.11	141-66-2	08/19/10 20:59	08/18/10 15:30
Dimethoate	8270	mg/kg	0.0098 U	1	0.0098	0.11	60-51-5	08/19/10 20:59	08/18/10 15:30
Disulfoton	8270	mg/kg	0.023 U	1	0.023	0.11	298-04-4	08/19/10 20:59	08/18/10 15:30
EPN	8270	mg/kg	0.012 U	1	0.012	0.11	2104-64-5	08/19/10 20:59	08/18/10 15:30
Ethion	8270	mg/kg	0.014 U	1	0.014	0.11	563-12-2	08/19/10 20:59	08/18/10 15:30
Ethoprop	8270SLI	mg/kg	0.011 U	1	0.011	0.11	13194-48-4	08/19/10 20:59	08/18/10 15:30
Famphur	8270	mg/kg	0.02 U	1	0.02	0.11	52-85-7	08/19/10 20:59	08/18/10 15:30
Fenitrothion	8270SLI	mg/kg	0.1 U	1	0.1	0.41	122-14-5	08/19/10 20:59	08/18/10 15:30
Fensulfothion	8270	mg/kg	0.013 U	1	0.013	0.11	115-90-2	08/19/10 20:59	08/18/10 15:30
Fenthion	8270	mg/kg	0.011 U	1	0.011	0.11	55-38-9	08/19/10 20:59	08/18/10 15:30
Fonophos	8270SLI	mg/kg	0.011 U	1	0.011	0.11	944-22-9	08/19/10 20:59	08/18/10 15:30
Leptophos	8270	mg/kg	0.013 U	1	0.013	0.11	21609-90-5	08/19/10 20:59	08/18/10 15:30
Malathion	8270	mg/kg	0.012 U	1	0.012	0.11	121-75-5	08/19/10 20:59	08/18/10 15:30
Merphos	8270SLI	mg/kg	0.017 U	1	0.017	0.11	150-50-5	08/19/10 20:59	08/18/10 15:30

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106982**
Sample Designation **HA-10/SS-3/6"**

Matrix Soil
Date Collected 8/16/2010 15:25
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Methyl Parathion	8270	mg/kg	0.0076 U	1	0.0076	0.11	298-00-0	08/19/10 20:59	08/18/10 15:30
Mevinphos	8270	mg/kg	0.011 U	1	0.011	0.11	7786-34-7	08/19/10 20:59	08/18/10 15:30
Monocrotophos	8270	mg/kg	0.012 U	1	0.012	0.11	6923-22-4	08/19/10 20:59	08/18/10 15:30
Naled	8270	mg/kg	0.013 U	1	0.013	0.11	300-76-5	08/19/10 20:59	08/18/10 15:30
Parathion	8270	mg/kg	0.0087 U	1	0.0087	0.11	56-38-2	08/19/10 20:59	08/18/10 15:30
Phorate	8270	mg/kg	0.0022 U	1	0.0022	0.11	298-02-2	08/19/10 20:59	08/18/10 15:30
Phosmet	8270	mg/kg	0.0076 U	1	0.0076	0.11	732-11-6	08/19/10 20:59	08/18/10 15:30
Phosphamidon	8270	mg/kg	0.018 U	1	0.018	0.11	13171-21-6	08/19/10 20:59	08/18/10 15:30
Ronnel	8270SLI	mg/kg	0.013 U	1	0.013	0.11	299-84-3	08/19/10 20:59	08/18/10 15:30
Simazine	8270SLI	mg/kg	0.014 U	1	0.014	0.11	122-34-9	08/19/10 20:59	08/18/10 15:30
Stirofos	8270	mg/kg	0.013 U	1	0.013	0.11	961-11-5	08/19/10 20:59	08/18/10 15:30
Sulfotepp	8270	mg/kg	0.013 U	1	0.013	0.11	3689-24-5	08/19/10 20:59	08/18/10 15:30
TEPP	8270	mg/kg	0.013 U	1	0.013	0.11	107-49-3	08/19/10 20:59	08/18/10 15:30
Terbufos	8270	mg/kg	0.0022 U	1	0.0022	0.11	13071-79-9	08/19/10 20:59	08/18/10 15:30
Thionazin	8270	mg/kg	0.013 U	1	0.013	0.11	297-97-2	08/19/10 20:59	08/18/10 15:30
Tokuthion	8270SLI	mg/kg	0.014 U	1	0.014	0.11	34643-46-4	08/19/10 20:59	08/18/10 15:30
Trichloronate	8270SLI	mg/kg	0.013 U	1	0.013	0.11	327-98-0	08/19/10 20:59	08/18/10 15:30
Chlordane, Technical									
Chlordane, CAS# 57-74-9	8081	mg/kg	0.014 U	1	0.014	0.057	57-74-9	08/25/10 20:38	

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106983**
Sample Designation **HA-11/SS-5/6"**

Matrix Soil
Date Collected 8/16/2010 15:15
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organochlorine Pesticides by EPA Method 8081									
Date Extracted	3545a		08/18/10						08/18/10 15:45
Date Analyzed			8/24/10	1				08/24/10 21:02	
2,4,5,6-tetrachloro-m-xylene (16-141)	8081	%	77	1		1.2	DEP-SURR-	08/24/10 21:02	08/18/10 15:45
Aldrin	8081	mg/kg	0.0026 U	1	0.0026	0.01	309-00-2	08/24/10 21:02	08/18/10 15:45
a-BHC	8081	mg/kg	0.0034 U	1	0.0034	0.014	319-84-6	08/24/10 21:02	08/18/10 15:45
b-BHC	8081	mg/kg	0.0021 U	1	0.0021	0.0084	319-85-7	08/24/10 21:02	08/18/10 15:45
d-BHC	8081	mg/kg	0.0026 U	1	0.0026	0.01	319-86-8	08/24/10 21:02	08/18/10 15:45
a-Chlordane	8081	mg/kg	0.0027 U	1	0.0027	0.011	5103-71-9	08/24/10 21:02	08/18/10 15:45
g-Chlordane	8081	mg/kg	0.002 U	1	0.002	0.0079	5103-74-2	08/24/10 21:02	08/18/10 15:45
4,4'-DDD	8081	mg/kg	0.0021 U	1	0.0021	0.0084	72-54-8	08/24/10 21:02	08/18/10 15:45
4,4'-DDE	8081	mg/kg	0.002 U	1	0.002	0.0079	72-55-9	08/24/10 21:02	08/18/10 15:45
4,4'-DDT	8081	mg/kg	0.00074 U	1	0.00074	0.003	50-29-3	08/24/10 21:02	08/18/10 15:45
Dieldrin	8081	mg/kg	0.0019 U	1	0.0019	0.0074	60-57-1	08/24/10 21:02	08/18/10 15:45
Endosulfan I	8081	mg/kg	0.0019 U	1	0.0019	0.0074	959-98-8	08/24/10 21:02	08/18/10 15:45
Endosulfan II	8081	mg/kg	0.0019 U	1	0.0019	0.0074	33213-65-9	08/24/10 21:02	08/18/10 15:45
Endosulfan sulfate	8081	mg/kg	0.0014 U	1	0.0014	0.0056	1031-07-8	08/24/10 21:02	08/18/10 15:45
Endrin	8081	mg/kg	0.002 U	1	0.002	0.0079	72-20-8	08/24/10 21:02	08/18/10 15:45
Endrin aldehyde	8081	mg/kg	0.0019 U	1	0.0019	0.0074	7421-93-4	08/24/10 21:02	08/18/10 15:45
Endrin ketone	8081	mg/kg	0.0015 U	1	0.0015	0.006	53494-70-5	08/24/10 21:02	08/18/10 15:45
Heptachlor	8081	mg/kg	0.0022 U	1	0.0022	0.0088	76-44-8	08/24/10 21:02	08/18/10 15:45
Heptachlor epoxide	8081	mg/kg	0.002 U	1	0.002	0.0079	1024-57-3	08/24/10 21:02	08/18/10 15:45
Lindane	8081	mg/kg	0.0007 U	1	0.0007	0.0029	58-89-9	08/24/10 21:02	08/18/10 15:45
Methoxychlor	8081	mg/kg	0.0022 U	1	0.0022	0.0088	72-43-5	08/24/10 21:02	08/18/10 15:45
Mirex	8081	mg/kg	0.0074 U	1	0.0074	0.03	2385-85-5	08/24/10 21:02	08/18/10 15:45
Toxaphene	8081	mg/kg	0.086 U	1	0.086	0.35	8001-35-2	08/24/10 21:02	08/18/10 15:45
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		08/17/10						08/17/10 15:15
Date Analyzed	8151		8/21/10	1				08/21/10 02:54	
2,4-Dichlorophenylacetic acid (5-120)	8151	%	93	1		1.2	DEP-SURR-	08/21/10 02:54	08/17/10 15:15
2,4-D	8151	mg/kg	0.05 U	1	0.05	0.2	94-75-7	08/21/10 02:54	08/17/10 15:15
Dalapon	8151	mg/kg	0.22 U	1	0.22	0.88	75-99-0	08/21/10 02:54	08/17/10 15:15
2,4-DB	8151	mg/kg	0.059 U	1	0.059	0.23	94-82-6	08/21/10 02:54	08/17/10 15:15
Dicamba	8151	mg/kg	0.031 U	1	0.031	0.13	1918-00-9	08/21/10 02:54	08/17/10 15:15
Dichloroprop	8151	mg/kg	0.034 U	1	0.034	0.14	120-36-5	08/21/10 02:54	08/17/10 15:15
Dinoseb	8151	mg/kg	0.044 U	1	0.044	0.17	88-85-7	08/21/10 02:54	08/17/10 15:15
MCPA	8151	mg/kg	0.53 U	1	0.53	2.1	94-74-6	08/21/10 02:54	08/17/10 15:15
MCPP	8151	mg/kg	0.57 U	1	0.57	2.3	93-65-2	08/21/10 02:54	08/17/10 15:15
Picloram	8151	mg/kg	0.027 U	1	0.027	0.1	1918-02-1	08/21/10 02:54	08/17/10 15:15
Silvex	8151	mg/kg	0.17 U	1	0.17	0.7	93-72-1	08/21/10 02:54	08/17/10 15:15
2,4,5-T	8151	mg/kg	0.033 U	1	0.033	0.13	93-76-5	08/21/10 02:54	08/17/10 15:15

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106983**
Sample Designation **HA-11/SS-5/6"**

Matrix Soil
Date Collected 8/16/2010 15:15
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
RCRA Metals									
Date Digested	3050		8/18/10						08/18/10 10:40
Date Analyzed	6010		8/19/2010	1				08/19/10 21:04	
Arsenic	6010	mg/kg	1.7	1	0.23	0.93	7440-38-2	08/19/10 21:04	08/18/10 10:40
Cadmium	6010	mg/kg	0.035 U	1	0.035	0.14	7440-43-9	08/19/10 21:04	08/18/10 10:40
Chromium	6010	mg/kg	4.2	1	0.23	0.93	7440-47-3	08/19/10 21:04	08/18/10 10:40
Percent Moisture									
% Moisture	160.3M	%	14			0.12		08/18/10	
Organophosphorus Pesticides									
Date Extracted	3545a		08/18/10						08/18/10 15:30
p-terphenyl-d14 (5-130)	8270	%	78	1			DEP-SURR-	08/19/10 21:18	08/18/10 15:30
Aspon	8270SLI	mg/kg	0.007 U	1	0.007	0.12	3244-90-4	08/19/10 21:18	08/18/10 15:30
Atrazine	8270SLI	mg/kg	0.016 U	1	0.016	0.12	1912-24-9	08/19/10 21:18	08/18/10 15:30
Azinphos ethyl	8270SLI	mg/kg	0.023 U	1	0.023	0.12	2642-71-9	08/19/10 21:18	08/18/10 15:30
Azinphos methyl	8270	mg/kg	0.015 U	1	0.015	0.12	86-50-0	08/19/10 21:18	08/18/10 15:30
Bolstar	8270SLI	mg/kg	0.014 U	1	0.014	0.12	35400-43-2	08/19/10 21:18	08/18/10 15:30
Carbophenothion	8270	mg/kg	0.007 U	1	0.007	0.12	786-19-6	08/19/10 21:18	08/18/10 15:30
Chlorfenvinphos	8270	mg/kg	0.013 U	1	0.013	0.12	470-90-6	08/19/10 21:18	08/18/10 15:30
Chlorpyrifos	8270SLI	mg/kg	0.021 U	1	0.021	0.12	2921-88-2	08/19/10 21:18	08/18/10 15:30
Chlorpyrifos Methyl	8270SLI	mg/kg	0.014 U	1	0.014	0.12	5598-13-0	08/19/10 21:18	08/18/10 15:30
Coumaphos	8270	mg/kg	0.02 U	1	0.02	0.12	56-72-4	08/19/10 21:18	08/18/10 15:30
Crotoxyphos	8270	mg/kg	0.02 U	1	0.02	0.12	7700-17-6	08/19/10 21:18	08/18/10 15:30
Demeton-O+S	8270	mg/kg	0.026 U	1	0.026	0.12	8065-48-3	08/19/10 21:18	08/18/10 15:30
Diazinon	8270SLI	mg/kg	0.016 U	1	0.016	0.12	333-41-5	08/19/10 21:18	08/18/10 15:30
Dichlorofenthion	8270SLI	mg/kg	0.0023 U	1	0.0023	0.12	97-17-6	08/19/10 21:18	08/18/10 15:30
Dichlorvos	8270	mg/kg	0.014 U	1	0.014	0.12	62-73-7	08/19/10 21:18	08/18/10 15:30
Dicrotophos	8270	mg/kg	0.015 U	1	0.015	0.12	141-66-2	08/19/10 21:18	08/18/10 15:30
Dimethoate	8270	mg/kg	0.01 U	1	0.01	0.12	60-51-5	08/19/10 21:18	08/18/10 15:30
Disulfoton	8270	mg/kg	0.024 U	1	0.024	0.12	298-04-4	08/19/10 21:18	08/18/10 15:30
EPN	8270	mg/kg	0.013 U	1	0.013	0.12	2104-64-5	08/19/10 21:18	08/18/10 15:30
Ethion	8270	mg/kg	0.015 U	1	0.015	0.12	563-12-2	08/19/10 21:18	08/18/10 15:30
Ethoprop	8270SLI	mg/kg	0.012 U	1	0.012	0.12	13194-48-4	08/19/10 21:18	08/18/10 15:30
Famphur	8270	mg/kg	0.021 U	1	0.021	0.12	52-85-7	08/19/10 21:18	08/18/10 15:30
Fenitrothion	8270SLI	mg/kg	0.11 U	1	0.11	0.44	122-14-5	08/19/10 21:18	08/18/10 15:30
Fensulfothion	8270	mg/kg	0.014 U	1	0.014	0.12	115-90-2	08/19/10 21:18	08/18/10 15:30
Fenthion	8270	mg/kg	0.012 U	1	0.012	0.12	55-38-9	08/19/10 21:18	08/18/10 15:30
Fonophos	8270SLI	mg/kg	0.012 U	1	0.012	0.12	944-22-9	08/19/10 21:18	08/18/10 15:30
Leptophos	8270	mg/kg	0.014 U	1	0.014	0.12	21609-90-5	08/19/10 21:18	08/18/10 15:30
Malathion	8270	mg/kg	0.013 U	1	0.013	0.12	121-75-5	08/19/10 21:18	08/18/10 15:30
Merphos	8270SLI	mg/kg	0.019 U	1	0.019	0.12	150-50-5	08/19/10 21:18	08/18/10 15:30

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106983**
Sample Designation **HA-11/SS-5/6"**

Matrix Soil
Date Collected 8/16/2010 15:15
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Methyl Parathion	8270	mg/kg	0.0081 U	1	0.0081	0.12	298-00-0	08/19/10 21:18	08/18/10 15:30
Mevinphos	8270	mg/kg	0.012 U	1	0.012	0.12	7786-34-7	08/19/10 21:18	08/18/10 15:30
Monocrotophos	8270	mg/kg	0.013 U	1	0.013	0.12	6923-22-4	08/19/10 21:18	08/18/10 15:30
Naled	8270	mg/kg	0.014 U	1	0.014	0.12	300-76-5	08/19/10 21:18	08/18/10 15:30
Parathion	8270	mg/kg	0.0093 U	1	0.0093	0.12	56-38-2	08/19/10 21:18	08/18/10 15:30
Phorate	8270	mg/kg	0.0023 U	1	0.0023	0.12	298-02-2	08/19/10 21:18	08/18/10 15:30
Phosmet	8270	mg/kg	0.0081 U	1	0.0081	0.12	732-11-6	08/19/10 21:18	08/18/10 15:30
Phosphamidon	8270	mg/kg	0.02 U	1	0.02	0.12	13171-21-6	08/19/10 21:18	08/18/10 15:30
Ronnel	8270SLI	mg/kg	0.014 U	1	0.014	0.12	299-84-3	08/19/10 21:18	08/18/10 15:30
Simazine	8270SLI	mg/kg	0.015 U	1	0.015	0.12	122-34-9	08/19/10 21:18	08/18/10 15:30
Stirofos	8270	mg/kg	0.014 U	1	0.014	0.12	961-11-5	08/19/10 21:18	08/18/10 15:30
Sulfotepp	8270	mg/kg	0.014 U	1	0.014	0.12	3689-24-5	08/19/10 21:18	08/18/10 15:30
TEPP	8270	mg/kg	0.014 U	1	0.014	0.12	107-49-3	08/19/10 21:18	08/18/10 15:30
Terbufos	8270	mg/kg	0.0023 U	1	0.0023	0.12	13071-79-9	08/19/10 21:18	08/18/10 15:30
Thionazin	8270	mg/kg	0.014 U	1	0.014	0.12	297-97-2	08/19/10 21:18	08/18/10 15:30
Tokuthion	8270SLI	mg/kg	0.015 U	1	0.015	0.12	34643-46-4	08/19/10 21:18	08/18/10 15:30
Trichloronate	8270SLI	mg/kg	0.014 U	1	0.014	0.12	327-98-0	08/19/10 21:18	08/18/10 15:30
Chlordane, Technical									
Chlordane, CAS# 57-74-9	8081	mg/kg	0.015 U	1	0.015	0.06	57-74-9	08/24/10 21:02	08/18/10 15:45

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106984**
Sample Designation **HA-12/SS-4/6"**

Matrix Soil
Date Collected 8/16/2010 15:05
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organochlorine Pesticides by EPA Method 8081									
Date Extracted	3545a		08/18/10						08/18/10 15:45
Date Analyzed			8/24/10	1				08/24/10 21:27	
2,4,5,6-tetrachloro-m-xylene (16-141)	8081	%	83	1		1.1	DEP-SURR-	08/24/10 21:27	08/18/10 15:45
Aldrin	8081	mg/kg	0.0024 U	1	0.0024	0.0098	309-00-2	08/24/10 21:27	08/18/10 15:45
a-BHC	8081	mg/kg	0.0032 U	1	0.0032	0.013	319-84-6	08/24/10 21:27	08/18/10 15:45
b-BHC	8081	mg/kg	0.002 U	1	0.002	0.008	319-85-7	08/24/10 21:27	08/18/10 15:45
d-BHC	8081	mg/kg	0.0024 U	1	0.0024	0.0098	319-86-8	08/24/10 21:27	08/18/10 15:45
a-Chlordane	8081	mg/kg	0.0026 U	1	0.0026	0.01	5103-71-9	08/24/10 21:27	08/18/10 15:45
g-Chlordane	8081	mg/kg	0.0019 U	1	0.0019	0.0076	5103-74-2	08/24/10 21:27	08/18/10 15:45
4,4'-DDD	8081	mg/kg	0.002 U	1	0.002	0.008	72-54-8	08/24/10 21:27	08/18/10 15:45
4,4'-DDE	8081	mg/kg	0.0019 U	1	0.0019	0.0076	72-55-9	08/24/10 21:27	08/18/10 15:45
4,4'-DDT	8081	mg/kg	0.00071 U	1	0.00071	0.0029	50-29-3	08/24/10 21:27	08/18/10 15:45
Dieldrin	8081	mg/kg	0.0018 U	1	0.0018	0.0071	60-57-1	08/24/10 21:27	08/18/10 15:45
Endosulfan I	8081	mg/kg	0.0018 U	1	0.0018	0.0071	959-98-8	08/24/10 21:27	08/18/10 15:45
Endosulfan II	8081	mg/kg	0.0018 U	1	0.0018	0.0071	33213-65-9	08/24/10 21:27	08/18/10 15:45
Endosulfan sulfate	8081	mg/kg	0.0013 U	1	0.0013	0.0053	1031-07-8	08/24/10 21:27	08/18/10 15:45
Endrin	8081	mg/kg	0.0019 U	1	0.0019	0.0076	72-20-8	08/24/10 21:27	08/18/10 15:45
Endrin aldehyde	8081	mg/kg	0.0018 U	1	0.0018	0.0071	7421-93-4	08/24/10 21:27	08/18/10 15:45
Endrin ketone	8081	mg/kg	0.0014 U	1	0.0014	0.0058	53494-70-5	08/24/10 21:27	08/18/10 15:45
Heptachlor	8081	mg/kg	0.0021 U	1	0.0021	0.0084	76-44-8	08/24/10 21:27	08/18/10 15:45
Heptachlor epoxide	8081	mg/kg	0.0019 U	1	0.0019	0.0076	1024-57-3	08/24/10 21:27	08/18/10 15:45
Lindane	8081	mg/kg	0.00067 U	1	0.00067	0.0028	58-89-9	08/24/10 21:27	08/18/10 15:45
Methoxychlor	8081	mg/kg	0.0021 U	1	0.0021	0.0084	72-43-5	08/24/10 21:27	08/18/10 15:45
Mirex	8081	mg/kg	0.0071 U	1	0.0071	0.029	2385-85-5	08/24/10 21:27	08/18/10 15:45
Toxaphene	8081	mg/kg	0.082 U	1	0.082	0.33	8001-35-2	08/24/10 21:27	08/18/10 15:45
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		08/17/10						08/17/10 15:15
Date Analyzed	8151		8/21/10	1				08/21/10 03:16	
2,4-Dichlorophenylacetic acid (5-120)	8151	%	96	1		1.1	DEP-SURR-	08/21/10 03:16	08/17/10 15:15
2,4-D	8151	mg/kg	0.048 U	1	0.048	0.19	94-75-7	08/21/10 03:16	08/17/10 15:15
Dalapon	8151	mg/kg	0.21 U	1	0.21	0.84	75-99-0	08/21/10 03:16	08/17/10 15:15
2,4-DB	8151	mg/kg	0.057 U	1	0.057	0.22	94-82-6	08/21/10 03:16	08/17/10 15:15
Dicamba	8151	mg/kg	0.03 U	1	0.03	0.12	1918-00-9	08/21/10 03:16	08/17/10 15:15
Dichloroprop	8151	mg/kg	0.032 U	1	0.032	0.13	120-36-5	08/21/10 03:16	08/17/10 15:15
Dinoseb	8151	mg/kg	0.042 U	1	0.042	0.17	88-85-7	08/21/10 03:16	08/17/10 15:15
MCPA	8151	mg/kg	0.51 U	1	0.51	2	94-74-6	08/21/10 03:16	08/17/10 15:15
MCPP	8151	mg/kg	0.54 U	1	0.54	2.2	93-65-2	08/21/10 03:16	08/17/10 15:15
Picloram	8151	mg/kg	0.026 U	1	0.026	0.1	1918-02-1	08/21/10 03:16	08/17/10 15:15
Silvex	8151	mg/kg	0.17 U	1	0.17	0.67	93-72-1	08/21/10 03:16	08/17/10 15:15
2,4,5-T	8151	mg/kg	0.031 U	1	0.031	0.12	93-76-5	08/21/10 03:16	08/17/10 15:15

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106984**
Sample Designation **HA-12/SS-4/6"**

Matrix Soil
Date Collected 8/16/2010 15:05
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
RCRA Metals									
Date Digested	3050		8/18/10						08/18/10 10:40
Date Analyzed	6010		8/19/2010	1				08/19/10 21:07	
Arsenic	6010	mg/kg	0.22 U	1	0.22	0.89	7440-38-2	08/19/10 21:07	08/18/10 10:40
Cadmium	6010	mg/kg	0.033 U	1	0.033	0.13	7440-43-9	08/19/10 21:07	08/18/10 10:40
Chromium	6010	mg/kg	7.6	1	0.22	0.89	7440-47-3	08/19/10 21:07	08/18/10 10:40
Percent Moisture									
% Moisture	160.3M	%	10			0.11		08/19/10	
Organophosphorus Pesticides									
Date Extracted	3545a		08/18/10						08/18/10 15:30
p-terphenyl-d14 (5-130)	8270	%	73	1			DEP-SURR-	08/19/10 21:36	08/18/10 15:30
Aspon	8270SLI	mg/kg	0.0067 U	1	0.0067	0.11	3244-90-4	08/19/10 21:36	08/18/10 15:30
Atrazine	8270SLI	mg/kg	0.016 U	1	0.016	0.11	1912-24-9	08/19/10 21:36	08/18/10 15:30
Azinphos ethyl	8270SLI	mg/kg	0.022 U	1	0.022	0.11	2642-71-9	08/19/10 21:36	08/18/10 15:30
Azinphos methyl	8270	mg/kg	0.014 U	1	0.014	0.11	86-50-0	08/19/10 21:36	08/18/10 15:30
Bolstar	8270SLI	mg/kg	0.013 U	1	0.013	0.11	35400-43-2	08/19/10 21:36	08/18/10 15:30
Carbophenothion	8270	mg/kg	0.0067 U	1	0.0067	0.11	786-19-6	08/19/10 21:36	08/18/10 15:30
Chlorfenvinphos	8270	mg/kg	0.012 U	1	0.012	0.11	470-90-6	08/19/10 21:36	08/18/10 15:30
Chlorpyrifos	8270SLI	mg/kg	0.02 U	1	0.02	0.11	2921-88-2	08/19/10 21:36	08/18/10 15:30
Chlorpyrifos Methyl	8270SLI	mg/kg	0.013 U	1	0.013	0.11	5598-13-0	08/19/10 21:36	08/18/10 15:30
Coumaphos	8270	mg/kg	0.019 U	1	0.019	0.11	56-72-4	08/19/10 21:36	08/18/10 15:30
Crotoxyphos	8270	mg/kg	0.019 U	1	0.019	0.11	7700-17-6	08/19/10 21:36	08/18/10 15:30
Demeton-O+S	8270	mg/kg	0.024 U	1	0.024	0.11	8065-48-3	08/19/10 21:36	08/18/10 15:30
Diazinon	8270SLI	mg/kg	0.016 U	1	0.016	0.11	333-41-5	08/19/10 21:36	08/18/10 15:30
Dichlorofenthion	8270SLI	mg/kg	0.0022 U	1	0.0022	0.11	97-17-6	08/19/10 21:36	08/18/10 15:30
Dichlorvos	8270	mg/kg	0.013 U	1	0.013	0.11	62-73-7	08/19/10 21:36	08/18/10 15:30
Dicrotophos	8270	mg/kg	0.014 U	1	0.014	0.11	141-66-2	08/19/10 21:36	08/18/10 15:30
Dimethoate	8270	mg/kg	0.01 U	1	0.01	0.11	60-51-5	08/19/10 21:36	08/18/10 15:30
Disulfoton	8270	mg/kg	0.023 U	1	0.023	0.11	298-04-4	08/19/10 21:36	08/18/10 15:30
EPN	8270	mg/kg	0.012 U	1	0.012	0.11	2104-64-5	08/19/10 21:36	08/18/10 15:30
Ethion	8270	mg/kg	0.014 U	1	0.014	0.11	563-12-2	08/19/10 21:36	08/18/10 15:30
Ethoprop	8270SLI	mg/kg	0.011 U	1	0.011	0.11	13194-48-4	08/19/10 21:36	08/18/10 15:30
Famphur	8270	mg/kg	0.02 U	1	0.02	0.11	52-85-7	08/19/10 21:36	08/18/10 15:30
Fenitrothion	8270SLI	mg/kg	0.11 U	1	0.11	0.42	122-14-5	08/19/10 21:36	08/18/10 15:30
Fensulfothion	8270	mg/kg	0.013 U	1	0.013	0.11	115-90-2	08/19/10 21:36	08/18/10 15:30
Fenthion	8270	mg/kg	0.011 U	1	0.011	0.11	55-38-9	08/19/10 21:36	08/18/10 15:30
Fonophos	8270SLI	mg/kg	0.011 U	1	0.011	0.11	944-22-9	08/19/10 21:36	08/18/10 15:30
Leptophos	8270	mg/kg	0.013 U	1	0.013	0.11	21609-90-5	08/19/10 21:36	08/18/10 15:30
Malathion	8270	mg/kg	0.012 U	1	0.012	0.11	121-75-5	08/19/10 21:36	08/18/10 15:30
Merphos	8270SLI	mg/kg	0.018 U	1	0.018	0.11	150-50-5	08/19/10 21:36	08/18/10 15:30

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106984**
Sample Designation **HA-12/SS-4/6"**

Matrix Soil
Date Collected 8/16/2010 15:05
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Methyl Parathion	8270	mg/kg	0.0078 U	1	0.0078	0.11	298-00-0	08/19/10 21:36	08/18/10 15:30
Mevinphos	8270	mg/kg	0.011 U	1	0.011	0.11	7786-34-7	08/19/10 21:36	08/18/10 15:30
Monocrotophos	8270	mg/kg	0.012 U	1	0.012	0.11	6923-22-4	08/19/10 21:36	08/18/10 15:30
Naled	8270	mg/kg	0.013 U	1	0.013	0.11	300-76-5	08/19/10 21:36	08/18/10 15:30
Parathion	8270	mg/kg	0.0089 U	1	0.0089	0.11	56-38-2	08/19/10 21:36	08/18/10 15:30
Phorate	8270	mg/kg	0.0022 U	1	0.0022	0.11	298-02-2	08/19/10 21:36	08/18/10 15:30
Phosmet	8270	mg/kg	0.0078 U	1	0.0078	0.11	732-11-6	08/19/10 21:36	08/18/10 15:30
Phosphamidon	8270	mg/kg	0.019 U	1	0.019	0.11	13171-21-6	08/19/10 21:36	08/18/10 15:30
Ronnel	8270SLI	mg/kg	0.013 U	1	0.013	0.11	299-84-3	08/19/10 21:36	08/18/10 15:30
Simazine	8270SLI	mg/kg	0.014 U	1	0.014	0.11	122-34-9	08/19/10 21:36	08/18/10 15:30
Stirofos	8270	mg/kg	0.013 U	1	0.013	0.11	961-11-5	08/19/10 21:36	08/18/10 15:30
Sulfotepp	8270	mg/kg	0.013 U	1	0.013	0.11	3689-24-5	08/19/10 21:36	08/18/10 15:30
TEPP	8270	mg/kg	0.013 U	1	0.013	0.11	107-49-3	08/19/10 21:36	08/18/10 15:30
Terbufos	8270	mg/kg	0.0022 U	1	0.0022	0.11	13071-79-9	08/19/10 21:36	08/18/10 15:30
Thionazin	8270	mg/kg	0.013 U	1	0.013	0.11	297-97-2	08/19/10 21:36	08/18/10 15:30
Tokuthion	8270SLI	mg/kg	0.014 U	1	0.014	0.11	34643-46-4	08/19/10 21:36	08/18/10 15:30
Trichloronate	8270SLI	mg/kg	0.013 U	1	0.013	0.11	327-98-0	08/19/10 21:36	08/18/10 15:30
Chlordane, Technical									
Chlordane, CAS# 57-74-9	8081	mg/kg	0.014 U	1	0.014	0.058	57-74-9	08/24/10 21:27	08/18/10 15:45

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106985**
Sample Designation **TMW-1**

Matrix Groundwater
Date Collected 8/16/2010 09:42
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Petroleum Range Organics(C8-C40)									
Date Extracted			08/19/10						08/19/10 15:45
Date Analyzed			8/24/2010	1				08/24/10 14:01	
C-39 (40-140)	FLPRO	%	40	1		1		08/24/10 14:01	08/19/10 15:45
o-Terphenyl (40-140)	FLPRO	%	72	1		1	84-15-1	08/24/10 14:01	08/19/10 15:45
Petroleum Range Organics	FLPRO	ug/L	46 U	1	46	300		08/24/10 14:01	08/19/10 15:45
Volatile Aromatics									
Date Analyzed			08/20/10	1				08/20/10 22:35	
Surrogate (66-125)	8260	%	101	1				08/20/10 22:35	
Benzene	8260	ug/L	0.1 U	1	0.1	0.5	71-43-2	08/20/10 22:35	
Chlorobenzene	8260	ug/L	0.2 U	1	0.2	0.8	108-90-7	08/20/10 22:35	
1,2-Dichlorobenzene	8260	ug/L	0.2 U	1	0.2	0.8	95-50-1	08/20/10 22:35	
1,3-Dichlorobenzene	8260	ug/L	0.3 U	1	0.3	1.2	541-73-1	08/20/10 22:35	
1,4-Dichlorobenzene	8260	ug/L	0.4 U	1	0.4	1.6	106-46-7	08/20/10 22:35	
Ethylbenzene	8260	ug/L	0.2 U	1	0.2	0.5	100-41-4	08/20/10 22:35	
MTBE	8260	ug/L	0.05 U	1	0.05	0.5	1634-04-4	08/20/10 22:35	
Toluene	8260	ug/L	0.3 U	1	0.3	0.5	108-88-3	08/20/10 22:35	
Total Xylenes	8260	ug/L	0.4 U	1	0.4	1.6	1330-20-7	08/20/10 22:35	
Total VOA	8260	ug/L	0.1 U	1	0.1	0.9		08/20/10 22:35	
Polynuclear Aromatic Hydrocarbons by Method 8270									
Date Extracted	3510		08/18/10						08/18/10 17:00
Date Analyzed	8270		8/20/2010	1				08/20/10 19:52	
Terphenyl-d14 (3-130)	8270	%	58	1			DEP-SURR-	08/20/10 19:52	08/18/10 17:00
Acenaphthene	8270	ug/L	0.028 U	1	0.028	0.11	83-32-9	08/20/10 19:52	08/18/10 17:00
Acenaphthylene	8270	ug/L	0.022 U	1	0.022	0.09	208-96-8	08/20/10 19:52	08/18/10 17:00
Anthracene	8270	ug/L	0.02 U	1	0.02	0.08	120-12-7	08/20/10 19:52	08/18/10 17:00
Benzo(a)anthracene	8270	ug/L	0.011 U	1	0.011	0.044	56-55-3	08/20/10 19:52	08/18/10 17:00
Benzo(a)pyrene	8270	ug/L	0.009 U	1	0.009	0.036	50-32-8	08/20/10 19:52	08/18/10 17:00
Benzo(b)fluoranthene	8270	ug/L	0.007 U	1	0.007	0.028	205-99-2	08/20/10 19:52	08/18/10 17:00
Benzo(g,h,i)perylene	8270	ug/L	0.012 U	1	0.012	0.048	191-24-2	08/20/10 19:52	08/18/10 17:00
Benzo(k)fluoranthene	8270	ug/L	0.017 U	1	0.017	0.068	207-08-9	08/20/10 19:52	08/18/10 17:00
Chrysene	8270	ug/L	0.01 U	1	0.01	0.04	218-01-9	08/20/10 19:52	08/18/10 17:00
Dibenzo(a,h)anthracene	8270	ug/L	0.011 U	1	0.011	0.044	53-70-3	08/20/10 19:52	08/18/10 17:00
Fluoranthene	8270	ug/L	0.02 U	1	0.02	0.08	206-44-0	08/20/10 19:52	08/18/10 17:00
Fluorene	8270	ug/L	0.03 U	1	0.03	0.12	86-73-7	08/20/10 19:52	08/18/10 17:00
Indeno(1,2,3-cd)pyrene	8270	ug/L	0.011 U	1	0.011	0.044	193-39-5	08/20/10 19:52	08/18/10 17:00
1-Methylnaphthalene	8270	ug/L	0.028 U	1	0.028	0.11	90-12-0	08/20/10 19:52	08/18/10 17:00
2-Methylnaphthalene	8270	ug/L	0.025 U	1	0.025	0.1	91-57-6	08/20/10 19:52	08/18/10 17:00
Naphthalene	8270	ug/L	0.031 U	1	0.031	0.12	91-20-3	08/20/10 19:52	08/18/10 17:00
Phenanthrene	8270	ug/L	0.026 U	1	0.026	0.1	85-01-8	08/20/10 19:52	08/18/10 17:00

Laboratory ID Number - E84809

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Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106985**
Sample Designation **TMW-1**

Matrix Groundwater
Date Collected 8/16/2010 09:42
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Polynuclear Aromatic Hydrocarbons by Method 8270									
Pyrene	8270	ug/L	0.022 U	1	0.022	0.088	129-00-0	08/20/10 19:52	08/18/10 17:00

Laboratory ID Number - E84809

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Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106986**
Sample Designation **TMW-2**

Matrix Groundwater
Date Collected 8/16/2010 11:20
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organochlorine Pesticides by EPA Method 8081									
Date Extracted	3510c		08/17/10						08/17/10 13:15
Date Analyzed			8/24/10	1				08/24/10 14:58	
2,4,5,6-Tetrachloro-m-xylene (10-139)	8081	%	69	1		1	DEP-SURR-	08/24/10 14:58	08/17/10 13:15
Aldrin	8081	ug/L	0.002 U	1	0.002	0.008	309-00-2	08/24/10 14:58	08/17/10 13:15
a-BHC	8081	ug/L	0.0023 U	1	0.0023	0.0092	319-84-6	08/24/10 14:58	08/17/10 13:15
b-BHC	8081	ug/L	0.003 U	1	0.003	0.012	319-85-7	08/24/10 14:58	08/17/10 13:15
d-BHC	8081	ug/L	0.013	1	0.0023	0.0092	319-86-8	08/24/10 14:58	08/17/10 13:15
a-Chlordane	8081	ug/L	0.0019 U	1	0.0019	0.0076	5103-71-9	08/24/10 14:58	08/17/10 13:15
g-Chlordane	8081	ug/L	0.0098	1	0.0021	0.0084	5103-74-2	08/24/10 14:58	08/17/10 13:15
4,4'-DDD	8081	ug/L	0.0016 U	1	0.0016	0.0064	72-54-8	08/24/10 14:58	08/17/10 13:15
4,4'-DDE	8081	ug/L	0.0017 U	1	0.0017	0.0068	72-55-9	08/24/10 14:58	08/17/10 13:15
4,4'-DDT	8081	ug/L	0.002 U	1	0.002	0.008	50-29-3	08/24/10 14:58	08/17/10 13:15
Dieldrin	8081	ug/L	0.0014 U	1	0.0014	0.0056	60-57-1	08/24/10 14:58	08/17/10 13:15
Endosulfan I	8081	ug/L	0.0019 U	1	0.0019	0.0076	959-98-8	08/24/10 14:58	08/17/10 13:15
Endosulfan II	8081	ug/L	0.0018 U	1	0.0018	0.0072	33213-65-9	08/24/10 14:58	08/17/10 13:15
Endosulfan sulfate	8081	ug/L	0.0027 U	1	0.0027	0.011	1031-07-8	08/24/10 14:58	08/17/10 13:15
Endrin	8081	ug/L	0.0018 U	1	0.0018	0.0072	72-20-8	08/24/10 14:58	08/17/10 13:15
Endrin aldehyde	8081	ug/L	0.0019 U	1	0.0019	0.0076	7421-93-4	08/24/10 14:58	08/17/10 13:15
Endrin ketone	8081	ug/L	0.0016 U	1	0.0016	0.0064	53494-70-5	08/24/10 14:58	08/17/10 13:15
Heptachlor	8081	ug/L	0.0024 U	1	0.0024	0.0096	76-44-8	08/24/10 14:58	08/17/10 13:15
Heptachlor epoxide	8081	ug/L	0.0022 U	1	0.0022	0.0088	1024-57-3	08/24/10 14:58	08/17/10 13:15
Lindane	8081	ug/L	0.0024 U	1	0.0024	0.0096	58-89-9	08/24/10 14:58	08/17/10 13:15
Methoxychlor	8081	ug/L	0.0018 U	1	0.0018	0.0072	72-43-5	08/24/10 14:58	08/17/10 13:15
Mirex	8081	ug/L	0.015 U	1	0.015	0.06	2385-85-5	08/24/10 14:58	08/17/10 13:15
Toxaphene	8081	ug/L	0.044 U	1	0.044	0.2	8001-35-2	08/24/10 14:58	08/17/10 13:15
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		08/17/10						08/17/10 11:15
Date Analyzed	8151		8/20/10	1				08/20/10 21:38	
2,4-Dichlorophenylacetic acid (D-131)	8151	%	91	1		1	DEP-SURR-	08/20/10 21:38	08/17/10 11:15
2,4-D	8151	ug/L	0.45 U	1	0.45	1.8	94-75-7	08/20/10 21:38	08/17/10 11:15
Dalapon	8151	ug/L	0.12 U	1	0.12	0.48	75-99-0	08/20/10 21:38	08/17/10 11:15
2,4-DB	8151	ug/L	0.2 U	1	0.2	0.8	94-82-6	08/20/10 21:38	08/17/10 11:15
Dicamba	8151	ug/L	0.34 U	1	0.34	1.4	1918-00-9	08/20/10 21:38	08/17/10 11:15
Dichloroprop	8151	ug/L	0.4 U	1	0.4	1.6	120-36-5	08/20/10 21:38	08/17/10 11:15
Dinoseb	8151	ug/L	0.16 U	1	0.16	0.64	88-85-7	08/20/10 21:38	08/17/10 11:15
MCPA	8151	ug/L	0.35 U	1	0.35	1.4	94-74-6	08/20/10 21:38	08/17/10 11:15
MCPP	8151	ug/L	0.4 U	1	0.4	1.6	93-65-2	08/20/10 21:38	08/17/10 11:15
Picloram	8151	ug/L	0.51 U	1	0.51	2	1918-02-1	08/20/10 21:38	08/17/10 11:15
Silvex	8151	ug/L	0.44 U	1	0.44	1.8	93-72-1	08/20/10 21:38	08/17/10 11:15
2,4,5-T	8151	ug/L	0.14 U	1	0.14	0.56	93-76-5	08/20/10 21:38	08/17/10 11:15

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106986**
Sample Designation **TMW-2**

Matrix Groundwater
Date Collected 8/16/2010 11:20
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Date Extracted	3510c		08/18/10						08/18/10 12:45
p-terphenyl-d14 (11-122)	8270	%	65	1		1	DEP-SURR-	08/19/10 23:47	08/18/10 12:45
Aspon	8270SLI	ug/L	0.06 U	1	0.06	1	3244-90-4	08/19/10 23:47	08/18/10 12:45
Atrazine	8270SLI	ug/L	0.06 U	1	0.06	1	1912-24-9	08/19/10 23:47	08/18/10 12:45
Azinphos ethyl	8270SLI	ug/L	0.07 U	1	0.07	1	2642-71-9	08/19/10 23:47	08/18/10 12:45
Azinphos methyl	8270	ug/L	0.53 U	1	0.53	2.1	86-50-0	08/19/10 23:47	08/18/10 12:45
Bolstar	8270SLI	ug/L	0.09 U	1	0.09	1	35400-43-2	08/19/10 23:47	08/18/10 12:45
Carbophenothion	8270	ug/L	0.06 U	1	0.06	1	786-19-6	08/19/10 23:47	08/18/10 12:45
Chlorfenvinphos	8270	ug/L	0.2 U	1	0.2	5	470-90-6	08/19/10 23:47	08/18/10 12:45
Chlorpyrifos	8270SLI	ug/L	0.08 U	1	0.08	1	2921-88-2	08/19/10 23:47	08/18/10 12:45
Chlorpyrifos methyl	8270SLI	ug/L	0.08 U	1	0.08	1	5598-13-0	08/19/10 23:47	08/18/10 12:45
Coumaphos	8270	ug/L	0.5 U	1	0.5	2	56-72-4	08/19/10 23:47	08/18/10 12:45
Crotoxyphos	8270	ug/L	0.02 U	1	0.02	5	7700-17-6	08/19/10 23:47	08/18/10 12:45
Demeton-O+S	8270	ug/L	0.02 U	1	0.02	1	8065-48-3	08/19/10 23:47	08/18/10 12:45
Diazinon	8270SLI	ug/L	0.05 U	1	0.05	1	333-41-5	08/19/10 23:47	08/18/10 12:45
Dichlorofenthion	8270SLI	ug/L	0.07 U	1	0.07	1	97-17-6	08/19/10 23:47	08/18/10 12:45
Dichlorvos	8270	ug/L	0.06 U	1	0.06	1	62-73-7	08/19/10 23:47	08/18/10 12:45
Dicrotophos	8270	ug/L	0.16 U	1	0.16	1	141-66-2	08/19/10 23:47	08/18/10 12:45
Dimethoate	8270	ug/L	0.07 U	1	0.07	1	60-51-5	08/19/10 23:47	08/18/10 12:45
Disulfoton	8270	ug/L	0.04 U	1	0.04	1	298-04-4	08/19/10 23:47	08/18/10 12:45
EPN	8270	ug/L	0.21 U	1	0.21	1	2104-64-5	08/19/10 23:47	08/18/10 12:45
Ethion	8270	ug/L	0.11 U	1	0.11	1	563-12-2	08/19/10 23:47	08/18/10 12:45
Ethoprop	8270SLI	ug/L	0.02 U	1	0.02	1	13194-48-4	08/19/10 23:47	08/18/10 12:45
Famphur	8270	ug/L	0.12 U	1	0.12	1	52-85-7	08/19/10 23:47	08/18/10 12:45
Fenitrothion	8270SLI	ug/L	0.05 U	1	0.05	1	122-14-5	08/19/10 23:47	08/18/10 12:45
Fensulfothion	8270	ug/L	0.08 U	1	0.08	1	115-90-2	08/19/10 23:47	08/18/10 12:45
Fenthion	8270	ug/L	0.06 U	1	0.06	1	55-38-9	08/19/10 23:47	08/18/10 12:45
Fonophos	8270SLI	ug/L	0.08 U	1	0.08	1	944-22-9	08/19/10 23:47	08/18/10 12:45
Leptophos	8270	ug/L	0.26 U	1	0.26	1	21609-90-5	08/19/10 23:47	08/18/10 12:45
Malathion	8270	ug/L	0.07 U	1	0.07	1	121-75-5	08/19/10 23:47	08/18/10 12:45
Merphos	8270	ug/L	0.02 U	1	0.02	1	150-50-5	08/19/10 23:47	08/18/10 12:45
Mevinphos	8270	ug/L	0.05 U	1	0.05	1	7786-34-7	08/19/10 23:47	08/18/10 12:45
Monocrotophos	8270	ug/L	0.05 U	1	0.05	1	6923-22-4	08/19/10 23:47	08/18/10 12:45
Naled	8270	ug/L	0.21 U	1	0.21	1	300-76-5	08/19/10 23:47	08/18/10 12:45
Parathion	8270	ug/L	0.07 U	1	0.07	1	56-38-2	08/19/10 23:47	08/18/10 12:45
Parathion methyl	8270	ug/L	0.05 U	1	0.05	1	298-00-0	08/19/10 23:47	08/18/10 12:45
Phorate	8270	ug/L	0.04 U	1	0.04	1	298-02-2	08/19/10 23:47	08/18/10 12:45
Phosmet	8270	ug/L	0.14 U	1	0.14	1	732-11-6	08/19/10 23:47	08/18/10 12:45
Phosphamidon	8270	ug/L	0.18 U	1	0.18	1	13171-21-6	08/19/10 23:47	08/18/10 12:45
Ronnel	8270SLI	ug/L	0.05 U	1	0.05	1	299-84-3	08/19/10 23:47	08/18/10 12:45
Simazine	8270SLI	ug/L	0.07 U	1	0.07	1	122-34-9	08/19/10 23:47	08/18/10 12:45

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106986**
Sample Designation **TMW-2**

Matrix: Groundwater
Date Collected: 8/16/2010 11:20
Date Received: 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Sulfotepp	8270	ug/L	0.08 U	1	0.08	1	3689-24-5	08/19/10 23:47	08/18/10 12:45
Stirofos	8270	ug/L	0.08 U	1	0.08	1	961-11-5	08/19/10 23:47	08/18/10 12:45
TEPP	8270	ug/L	0.02 U	1	0.02	1	107-49-3	08/19/10 23:47	08/18/10 12:45
Terbufos	8270	ug/L	0.09 U	1	0.09	1	13071-79-9	08/19/10 23:47	08/18/10 12:45
Thionazin	8270	ug/L	0.05 U	1	0.05	1	297-97-2	08/19/10 23:47	08/18/10 12:45
Tokuthion	8270SLI	ug/L	0.06 U	1	0.06	1	34643-46-4	08/19/10 23:47	08/18/10 12:45
Trichloronate	8270SLI	ug/L	0.08 U	1	0.08	1	327-98-0	08/19/10 23:47	08/18/10 12:45
Chlordane, Technical									
Chlordane, CAS# 57-74-9	8081	ug/L	0.04 U	1	0.04	1	57-74-9	08/26/10 10:24	08/17/10 13:15
RCRA Metals ppb									
Date Digested	3005		8/18/10						08/18/10 08:30
Date Analyzed	6010		8/19/2010	1				08/19/10 19:38	
Arsenic	6010	ug/L	61	1	4.8	19	7440-38-2	08/19/10 19:38	08/18/10 08:30
Cadmium	6010	ug/L	0.6 U	1	0.6	2.4	7440-43-9	08/19/10 19:38	08/18/10 08:30
Chromium	6010	ug/L	3.5 U	1	3.5	14	7440-47-3	08/19/10 19:38	08/18/10 08:30

Laboratory ID Number - E84809

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Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106987**
Sample Designation **TMW-3**

Matrix Groundwater
Date Collected 8/16/2010 13:14
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organochlorine Pesticides by EPA Method 8081									
Date Extracted	3510c		08/17/10						08/17/10 13:15
Date Analyzed			8/24/10	1				08/24/10 15:22	
2,4,5,6-Tetrachloro-m-xylene (10-139)	8081	%	37	1		1	DEP-SURR-	08/24/10 15:22	08/17/10 13:15
Aldrin	8081	ug/L	0.002 U	1	0.002	0.008	309-00-2	08/24/10 15:22	08/17/10 13:15
a-BHC	8081	ug/L	0.0023 U	1	0.0023	0.0092	319-84-6	08/24/10 15:22	08/17/10 13:15
b-BHC	8081	ug/L	0.003 U	1	0.003	0.012	319-85-7	08/24/10 15:22	08/17/10 13:15
d-BHC	8081	ug/L	0.0023 U	1	0.0023	0.0092	319-86-8	08/24/10 15:22	08/17/10 13:15
a-Chlordane	8081	ug/L	0.0019 U	1	0.0019	0.0076	5103-71-9	08/24/10 15:22	08/17/10 13:15
g-Chlordane	8081	ug/L	0.0021 U	1	0.0021	0.0084	5103-74-2	08/24/10 15:22	08/17/10 13:15
4,4'-DDD	8081	ug/L	0.0016 U	1	0.0016	0.0064	72-54-8	08/24/10 15:22	08/17/10 13:15
4,4'-DDE	8081	ug/L	0.0017 U	1	0.0017	0.0068	72-55-9	08/24/10 15:22	08/17/10 13:15
4,4'-DDT	8081	ug/L	0.002 U	1	0.002	0.008	50-29-3	08/24/10 15:22	08/17/10 13:15
Dieldrin	8081	ug/L	0.0014 U	1	0.0014	0.0056	60-57-1	08/24/10 15:22	08/17/10 13:15
Endosulfan I	8081	ug/L	0.0019 U	1	0.0019	0.0076	959-98-8	08/24/10 15:22	08/17/10 13:15
Endosulfan II	8081	ug/L	0.0018 U	1	0.0018	0.0072	33213-65-9	08/24/10 15:22	08/17/10 13:15
Endosulfan sulfate	8081	ug/L	0.0027 U	1	0.0027	0.011	1031-07-8	08/24/10 15:22	08/17/10 13:15
Endrin	8081	ug/L	0.0018 U	1	0.0018	0.0072	72-20-8	08/24/10 15:22	08/17/10 13:15
Endrin aldehyde	8081	ug/L	0.0019 U	1	0.0019	0.0076	7421-93-4	08/24/10 15:22	08/17/10 13:15
Endrin ketone	8081	ug/L	0.0016 U	1	0.0016	0.0064	53494-70-5	08/24/10 15:22	08/17/10 13:15
Heptachlor	8081	ug/L	0.0024 U	1	0.0024	0.0096	76-44-8	08/24/10 15:22	08/17/10 13:15
Heptachlor epoxide	8081	ug/L	0.0022 U	1	0.0022	0.0088	1024-57-3	08/24/10 15:22	08/17/10 13:15
Lindane	8081	ug/L	0.0024 U	1	0.0024	0.0096	58-89-9	08/24/10 15:22	08/17/10 13:15
Methoxychlor	8081	ug/L	0.0018 U	1	0.0018	0.0072	72-43-5	08/24/10 15:22	08/17/10 13:15
Mirex	8081	ug/L	0.015 U	1	0.015	0.06	2385-85-5	08/24/10 15:22	08/17/10 13:15
Toxaphene	8081	ug/L	0.044 U	1	0.044	0.2	8001-35-2	08/24/10 15:22	08/17/10 13:15
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		08/17/10						08/17/10 11:15
Date Analyzed	8151		8/20/10	1				08/20/10 22:00	
2,4-Dichlorophenylacetic acid (D-131)	8151	%	71	1		1	DEP-SURR-	08/20/10 22:00	08/17/10 11:15
2,4-D	8151	ug/L	0.45 U	1	0.45	1.8	94-75-7	08/20/10 22:00	08/17/10 11:15
Dalapon	8151	ug/L	0.12 U	1	0.12	0.48	75-99-0	08/20/10 22:00	08/17/10 11:15
2,4-DB	8151	ug/L	0.2 U	1	0.2	0.8	94-82-6	08/20/10 22:00	08/17/10 11:15
Dicamba	8151	ug/L	0.34 U	1	0.34	1.4	1918-00-9	08/20/10 22:00	08/17/10 11:15
Dichloroprop	8151	ug/L	0.4 U	1	0.4	1.6	120-36-5	08/20/10 22:00	08/17/10 11:15
Dinoseb	8151	ug/L	0.16 U	1	0.16	0.64	88-85-7	08/20/10 22:00	08/17/10 11:15
MCPA	8151	ug/L	0.35 U	1	0.35	1.4	94-74-6	08/20/10 22:00	08/17/10 11:15
MCPP	8151	ug/L	0.4 U	1	0.4	1.6	93-65-2	08/20/10 22:00	08/17/10 11:15
Picloram	8151	ug/L	0.51 U	1	0.51	2	1918-02-1	08/20/10 22:00	08/17/10 11:15
Silvex	8151	ug/L	0.44 U	1	0.44	1.8	93-72-1	08/20/10 22:00	08/17/10 11:15
2,4,5-T	8151	ug/L	0.14 U	1	0.14	0.56	93-76-5	08/20/10 22:00	08/17/10 11:15

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106987**
Sample Designation **TMW-3**

Matrix Groundwater
Date Collected 8/16/2010 13:14
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Date Extracted	3510c		08/18/10						08/18/10 12:45
p-terphenyl-d14 (11-122)	8270	%	71	1		1	DEP-SURR-	08/20/10 00:06	08/18/10 12:45
Aspon	8270SLI	ug/L	0.06 U	1	0.06	1	3244-90-4	08/20/10 00:06	08/18/10 12:45
Atrazine	8270SLI	ug/L	0.06 U	1	0.06	1	1912-24-9	08/20/10 00:06	08/18/10 12:45
Azinphos ethyl	8270SLI	ug/L	0.07 U	1	0.07	1	2642-71-9	08/20/10 00:06	08/18/10 12:45
Azinphos methyl	8270	ug/L	0.53 U	1	0.53	2.1	86-50-0	08/20/10 00:06	08/18/10 12:45
Bolstar	8270SLI	ug/L	0.09 U	1	0.09	1	35400-43-2	08/20/10 00:06	08/18/10 12:45
Carbophenothion	8270	ug/L	0.06 U	1	0.06	1	786-19-6	08/20/10 00:06	08/18/10 12:45
Chlorfenvinphos	8270	ug/L	0.2 U	1	0.2	5	470-90-6	08/20/10 00:06	08/18/10 12:45
Chlorpyrifos	8270SLI	ug/L	0.08 U	1	0.08	1	2921-88-2	08/20/10 00:06	08/18/10 12:45
Chlorpyrifos methyl	8270SLI	ug/L	0.08 U	1	0.08	1	5598-13-0	08/20/10 00:06	08/18/10 12:45
Coumaphos	8270	ug/L	0.5 U	1	0.5	2	56-72-4	08/20/10 00:06	08/18/10 12:45
Crotoxyphos	8270	ug/L	0.02 U	1	0.02	5	7700-17-6	08/20/10 00:06	08/18/10 12:45
Demeton-O+S	8270	ug/L	0.02 U	1	0.02	1	8065-48-3	08/20/10 00:06	08/18/10 12:45
Diazinon	8270SLI	ug/L	0.05 U	1	0.05	1	333-41-5	08/20/10 00:06	08/18/10 12:45
Dichlorofenthion	8270SLI	ug/L	0.07 U	1	0.07	1	97-17-6	08/20/10 00:06	08/18/10 12:45
Dichlorvos	8270	ug/L	0.06 U	1	0.06	1	62-73-7	08/20/10 00:06	08/18/10 12:45
Dicrotophos	8270	ug/L	0.16 U	1	0.16	1	141-66-2	08/20/10 00:06	08/18/10 12:45
Dimethoate	8270	ug/L	0.07 U	1	0.07	1	60-51-5	08/20/10 00:06	08/18/10 12:45
Disulfoton	8270	ug/L	0.04 U	1	0.04	1	298-04-4	08/20/10 00:06	08/18/10 12:45
EPN	8270	ug/L	0.21 U	1	0.21	1	2104-64-5	08/20/10 00:06	08/18/10 12:45
Ethion	8270	ug/L	0.11 U	1	0.11	1	563-12-2	08/20/10 00:06	08/18/10 12:45
Ethoprop	8270SLI	ug/L	0.02 U	1	0.02	1	13194-48-4	08/20/10 00:06	08/18/10 12:45
Famphur	8270	ug/L	0.12 U	1	0.12	1	52-85-7	08/20/10 00:06	08/18/10 12:45
Fenitrothion	8270SLI	ug/L	0.05 U	1	0.05	1	122-14-5	08/20/10 00:06	08/18/10 12:45
Fensulfothion	8270	ug/L	0.08 U	1	0.08	1	115-90-2	08/20/10 00:06	08/18/10 12:45
Fenthion	8270	ug/L	0.06 U	1	0.06	1	55-38-9	08/20/10 00:06	08/18/10 12:45
Fonophos	8270SLI	ug/L	0.08 U	1	0.08	1	944-22-9	08/20/10 00:06	08/18/10 12:45
Leptophos	8270	ug/L	0.26 U	1	0.26	1	21609-90-5	08/20/10 00:06	08/18/10 12:45
Malathion	8270	ug/L	0.07 U	1	0.07	1	121-75-5	08/20/10 00:06	08/18/10 12:45
Merphos	8270	ug/L	0.02 U	1	0.02	1	150-50-5	08/20/10 00:06	08/18/10 12:45
Mevinphos	8270	ug/L	0.05 U	1	0.05	1	7786-34-7	08/20/10 00:06	08/18/10 12:45
Monocrotophos	8270	ug/L	0.05 U	1	0.05	1	6923-22-4	08/20/10 00:06	08/18/10 12:45
Naled	8270	ug/L	0.21 U	1	0.21	1	300-76-5	08/20/10 00:06	08/18/10 12:45
Parathion	8270	ug/L	0.07 U	1	0.07	1	56-38-2	08/20/10 00:06	08/18/10 12:45
Parathion methyl	8270	ug/L	0.05 U	1	0.05	1	298-00-0	08/20/10 00:06	08/18/10 12:45
Phorate	8270	ug/L	0.04 U	1	0.04	1	298-02-2	08/20/10 00:06	08/18/10 12:45
Phosmet	8270	ug/L	0.14 U	1	0.14	1	732-11-6	08/20/10 00:06	08/18/10 12:45
Phosphamidon	8270	ug/L	0.18 U	1	0.18	1	13171-21-6	08/20/10 00:06	08/18/10 12:45
Ronnel	8270SLI	ug/L	0.05 U	1	0.05	1	299-84-3	08/20/10 00:06	08/18/10 12:45
Simazine	8270SLI	ug/L	0.07 U	1	0.07	1	122-34-9	08/20/10 00:06	08/18/10 12:45

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106987**
Sample Designation **TMW-3**

Matrix Groundwater
Date Collected 8/16/2010 13:14
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Sulfotepp	8270	ug/L	0.08 U	1	0.08	1	3689-24-5	08/20/10 00:06	08/18/10 12:45
Stirofos	8270	ug/L	0.08 U	1	0.08	1	961-11-5	08/20/10 00:06	08/18/10 12:45
TEPP	8270	ug/L	0.02 U	1	0.02	1	107-49-3	08/20/10 00:06	08/18/10 12:45
Terbufos	8270	ug/L	0.09 U	1	0.09	1	13071-79-9	08/20/10 00:06	08/18/10 12:45
Thionazin	8270	ug/L	0.05 U	1	0.05	1	297-97-2	08/20/10 00:06	08/18/10 12:45
Tokuthion	8270SLI	ug/L	0.06 U	1	0.06	1	34643-46-4	08/20/10 00:06	08/18/10 12:45
Trichloronate	8270SLI	ug/L	0.08 U	1	0.08	1	327-98-0	08/20/10 00:06	08/18/10 12:45
Chlordane, Technical									
Chlordane, CAS# 57-74-9	8081	ug/L	0.04 U	1	0.04	1	57-74-9	08/24/10 15:22	08/17/10 13:15
RCRA Metals ppb									
Date Digested	3005		8/18/10						08/18/10 08:30
Date Analyzed	6010		8/19/2010	1				08/19/10 19:42	
Arsenic	6010	ug/L	4.8 U	1	4.8	19	7440-38-2	08/19/10 19:42	08/18/10 08:30
Cadmium	6010	ug/L	0.6 U	1	0.6	2.4	7440-43-9	08/19/10 19:42	08/18/10 08:30
Chromium	6010	ug/L	26	1	3.5	14	7440-47-3	08/19/10 19:42	08/18/10 08:30

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106988**
Sample Designation **TMW-3 Filtered**

Matrix Groundwater
Date Collected 8/16/2010 13:14
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
RCRA Metals ppb									
Date Digested	3005		8/18/10						08/18/10 08:30
Date Analyzed	6010		8/19/2010	1				08/19/10 19:45	
Arsenic	6010	ug/L	4.8 U	1	4.8	19	7440-38-2	08/19/10 19:45	08/18/10 08:30
Cadmium	6010	ug/L	0.6 U	1	0.6	2.4	7440-43-9	08/19/10 19:45	08/18/10 08:30
Chromium	6010	ug/L	3.5 U	1	3.5	14	7440-47-3	08/19/10 19:45	08/18/10 08:30

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106989**
Sample Designation **TMW-4**

Matrix Groundwater
Date Collected 8/16/2010 14:55
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organochlorine Pesticides by EPA Method 8081									
Date Extracted	3510c		08/17/10						08/17/10 13:15
Date Analyzed			8/24/10	1				08/24/10 15:47	
2,4,5,6-Tetrachloro-m-xylene (10-139)	8081	%	86	1		1	DEP-SURR-	08/24/10 15:47	08/17/10 13:15
Aldrin	8081	ug/L	0.002 U	1	0.002	0.008	309-00-2	08/24/10 15:47	08/17/10 13:15
a-BHC	8081	ug/L	0.0023 U	1	0.0023	0.0092	319-84-6	08/24/10 15:47	08/17/10 13:15
b-BHC	8081	ug/L	0.003 U	1	0.003	0.012	319-85-7	08/24/10 15:47	08/17/10 13:15
d-BHC	8081	ug/L	0.0023 U	1	0.0023	0.0092	319-86-8	08/24/10 15:47	08/17/10 13:15
a-Chlordane	8081	ug/L	0.096	1	0.0019	0.0076	5103-71-9	08/24/10 15:47	08/17/10 13:15
g-Chlordane	8081	ug/L	0.11	1	0.0021	0.0084	5103-74-2	08/24/10 15:47	08/17/10 13:15
4,4'-DDD	8081	ug/L	0.0016 U	1	0.0016	0.0064	72-54-8	08/24/10 15:47	08/17/10 13:15
4,4'-DDE	8081	ug/L	0.0017 U	1	0.0017	0.0068	72-55-9	08/24/10 15:47	08/17/10 13:15
4,4'-DDT	8081	ug/L	0.002 U	1	0.002	0.008	50-29-3	08/24/10 15:47	08/17/10 13:15
Dieldrin	8081	ug/L	0.0014 U	1	0.0014	0.0056	60-57-1	08/24/10 15:47	08/17/10 13:15
Endosulfan I	8081	ug/L	0.0019 U	1	0.0019	0.0076	959-98-8	08/24/10 15:47	08/17/10 13:15
Endosulfan II	8081	ug/L	0.0018 U	1	0.0018	0.0072	33213-65-9	08/24/10 15:47	08/17/10 13:15
Endosulfan sulfate	8081	ug/L	0.0027 U	1	0.0027	0.011	1031-07-8	08/24/10 15:47	08/17/10 13:15
Endrin	8081	ug/L	0.0018 U	1	0.0018	0.0072	72-20-8	08/24/10 15:47	08/17/10 13:15
Endrin aldehyde	8081	ug/L	0.0019 U	1	0.0019	0.0076	7421-93-4	08/24/10 15:47	08/17/10 13:15
Endrin ketone	8081	ug/L	0.0016 U	1	0.0016	0.0064	53494-70-5	08/24/10 15:47	08/17/10 13:15
Heptachlor	8081	ug/L	0.0024 U	1	0.0024	0.0096	76-44-8	08/24/10 15:47	08/17/10 13:15
Heptachlor epoxide	8081	ug/L	0.0022 U	1	0.0022	0.0088	1024-57-3	08/24/10 15:47	08/17/10 13:15
Lindane	8081	ug/L	0.0024 U	1	0.0024	0.0096	58-89-9	08/24/10 15:47	08/17/10 13:15
Methoxychlor	8081	ug/L	0.0018 U	1	0.0018	0.0072	72-43-5	08/24/10 15:47	08/17/10 13:15
Mirex	8081	ug/L	0.015 U	1	0.015	0.06	2385-85-5	08/24/10 15:47	08/17/10 13:15
Toxaphene	8081	ug/L	0.044 U	1	0.044	0.2	8001-35-2	08/24/10 15:47	08/17/10 13:15
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		08/17/10						08/17/10 11:15
Date Analyzed	8151		8/20/10	1				08/20/10 22:23	
2,4-Dichlorophenylacetic acid (D-131)	8151	%	98	1		1	DEP-SURR-	08/20/10 22:23	08/17/10 11:15
2,4-D	8151	ug/L	0.45 U	1	0.45	1.8	94-75-7	08/20/10 22:23	08/17/10 11:15
Dalapon	8151	ug/L	0.12 U	1	0.12	0.48	75-99-0	08/20/10 22:23	08/17/10 11:15
2,4-DB	8151	ug/L	0.2 U	1	0.2	0.8	94-82-6	08/20/10 22:23	08/17/10 11:15
Dicamba	8151	ug/L	0.34 U	1	0.34	1.4	1918-00-9	08/20/10 22:23	08/17/10 11:15
Dichloroprop	8151	ug/L	0.4 U	1	0.4	1.6	120-36-5	08/20/10 22:23	08/17/10 11:15
Dinoseb	8151	ug/L	0.16 U	1	0.16	0.64	88-85-7	08/20/10 22:23	08/17/10 11:15
MCPA	8151	ug/L	0.35 U	1	0.35	1.4	94-74-6	08/20/10 22:23	08/17/10 11:15
MCPP	8151	ug/L	0.4 U	1	0.4	1.6	93-65-2	08/20/10 22:23	08/17/10 11:15
Picloram	8151	ug/L	0.51 U	1	0.51	2	1918-02-1	08/20/10 22:23	08/17/10 11:15
Silvex	8151	ug/L	0.44 U	1	0.44	1.8	93-72-1	08/20/10 22:23	08/17/10 11:15
2,4,5-T	8151	ug/L	0.14 U	1	0.14	0.56	93-76-5	08/20/10 22:23	08/17/10 11:15

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106989**
Sample Designation **TMW-4**

Matrix Groundwater
Date Collected 8/16/2010 14:55
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Date Extracted	3510c		08/18/10						08/18/10 12:45
p-terphenyl-d14 (11-122)	8270	%	68	1		1	DEP-SURR-	08/20/10 00:25	08/18/10 12:45
Aspon	8270SLI	ug/L	0.06 U	1	0.06	1	3244-90-4	08/20/10 00:25	08/18/10 12:45
Atrazine	8270SLI	ug/L	0.06 U	1	0.06	1	1912-24-9	08/20/10 00:25	08/18/10 12:45
Azinphos ethyl	8270SLI	ug/L	0.07 U	1	0.07	1	2642-71-9	08/20/10 00:25	08/18/10 12:45
Azinphos methyl	8270	ug/L	0.53 U	1	0.53	2.1	86-50-0	08/20/10 00:25	08/18/10 12:45
Bolstar	8270SLI	ug/L	0.09 U	1	0.09	1	35400-43-2	08/20/10 00:25	08/18/10 12:45
Carbophenothion	8270	ug/L	0.06 U	1	0.06	1	786-19-6	08/20/10 00:25	08/18/10 12:45
Chlorfenvinphos	8270	ug/L	0.2 U	1	0.2	5	470-90-6	08/20/10 00:25	08/18/10 12:45
Chlorpyrifos	8270SLI	ug/L	0.08 U	1	0.08	1	2921-88-2	08/20/10 00:25	08/18/10 12:45
Chlorpyrifos methyl	8270SLI	ug/L	0.08 U	1	0.08	1	5598-13-0	08/20/10 00:25	08/18/10 12:45
Coumaphos	8270	ug/L	0.5 U	1	0.5	2	56-72-4	08/20/10 00:25	08/18/10 12:45
Crotoxyphos	8270	ug/L	0.02 U	1	0.02	5	7700-17-6	08/20/10 00:25	08/18/10 12:45
Demeton-O+S	8270	ug/L	0.02 U	1	0.02	1	8065-48-3	08/20/10 00:25	08/18/10 12:45
Diazinon	8270SLI	ug/L	0.05 U	1	0.05	1	333-41-5	08/20/10 00:25	08/18/10 12:45
Dichlorofenthion	8270SLI	ug/L	0.07 U	1	0.07	1	97-17-6	08/20/10 00:25	08/18/10 12:45
Dichlorvos	8270	ug/L	0.06 U	1	0.06	1	62-73-7	08/20/10 00:25	08/18/10 12:45
Dicrotophos	8270	ug/L	0.16 U	1	0.16	1	141-66-2	08/20/10 00:25	08/18/10 12:45
Dimethoate	8270	ug/L	0.07 U	1	0.07	1	60-51-5	08/20/10 00:25	08/18/10 12:45
Disulfoton	8270	ug/L	0.04 U	1	0.04	1	298-04-4	08/20/10 00:25	08/18/10 12:45
EPN	8270	ug/L	0.21 U	1	0.21	1	2104-64-5	08/20/10 00:25	08/18/10 12:45
Ethion	8270	ug/L	0.11 U	1	0.11	1	563-12-2	08/20/10 00:25	08/18/10 12:45
Ethoprop	8270SLI	ug/L	0.02 U	1	0.02	1	13194-48-4	08/20/10 00:25	08/18/10 12:45
Famphur	8270	ug/L	0.12 U	1	0.12	1	52-85-7	08/20/10 00:25	08/18/10 12:45
Fenitrothion	8270SLI	ug/L	0.05 U	1	0.05	1	122-14-5	08/20/10 00:25	08/18/10 12:45
Fensulfothion	8270	ug/L	0.08 U	1	0.08	1	115-90-2	08/20/10 00:25	08/18/10 12:45
Fenthion	8270	ug/L	0.06 U	1	0.06	1	55-38-9	08/20/10 00:25	08/18/10 12:45
Fonophos	8270SLI	ug/L	0.08 U	1	0.08	1	944-22-9	08/20/10 00:25	08/18/10 12:45
Leptophos	8270	ug/L	0.26 U	1	0.26	1	21609-90-5	08/20/10 00:25	08/18/10 12:45
Malathion	8270	ug/L	0.07 U	1	0.07	1	121-75-5	08/20/10 00:25	08/18/10 12:45
Merphos	8270	ug/L	0.02 U	1	0.02	1	150-50-5	08/20/10 00:25	08/18/10 12:45
Mevinphos	8270	ug/L	0.05 U	1	0.05	1	7786-34-7	08/20/10 00:25	08/18/10 12:45
Monocrotophos	8270	ug/L	0.05 U	1	0.05	1	6923-22-4	08/20/10 00:25	08/18/10 12:45
Naled	8270	ug/L	0.21 U	1	0.21	1	300-76-5	08/20/10 00:25	08/18/10 12:45
Parathion	8270	ug/L	0.07 U	1	0.07	1	56-38-2	08/20/10 00:25	08/18/10 12:45
Parathion methyl	8270	ug/L	0.05 U	1	0.05	1	298-00-0	08/20/10 00:25	08/18/10 12:45
Phorate	8270	ug/L	0.04 U	1	0.04	1	298-02-2	08/20/10 00:25	08/18/10 12:45
Phosmet	8270	ug/L	0.14 U	1	0.14	1	732-11-6	08/20/10 00:25	08/18/10 12:45
Phosphamidon	8270	ug/L	0.18 U	1	0.18	1	13171-21-6	08/20/10 00:25	08/18/10 12:45
Ronnel	8270SLI	ug/L	0.05 U	1	0.05	1	299-84-3	08/20/10 00:25	08/18/10 12:45
Simazine	8270SLI	ug/L	0.07 U	1	0.07	1	122-34-9	08/20/10 00:25	08/18/10 12:45

Laboratory ID Number - E84809

Report of Laboratory Analysis

SunLabs Project Number
100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

SunLabs Sample Number **106989**
Sample Designation **TMW-4**

Matrix Groundwater
Date Collected 8/16/2010 14:55
Date Received 8/17/2010 08:03

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Organophosphorus Pesticides									
Sulfotepp	8270	ug/L	0.08 U	1	0.08	1	3689-24-5	08/20/10 00:25	08/18/10 12:45
Stirofos	8270	ug/L	0.08 U	1	0.08	1	961-11-5	08/20/10 00:25	08/18/10 12:45
TEPP	8270	ug/L	0.02 U	1	0.02	1	107-49-3	08/20/10 00:25	08/18/10 12:45
Terbufos	8270	ug/L	0.09 U	1	0.09	1	13071-79-9	08/20/10 00:25	08/18/10 12:45
Thionazin	8270	ug/L	0.05 U	1	0.05	1	297-97-2	08/20/10 00:25	08/18/10 12:45
Tokuthion	8270SLI	ug/L	0.06 U	1	0.06	1	34643-46-4	08/20/10 00:25	08/18/10 12:45
Trichloronate	8270SLI	ug/L	0.08 U	1	0.08	1	327-98-0	08/20/10 00:25	08/18/10 12:45
Chlordane, Technical									
Chlordane, CAS# 57-74-9	8081	ug/L	0.97	1	0.04	1	57-74-9	08/25/10 12:05	08/17/10 13:15
RCRA Metals ppb									
Date Digested	3005		8/18/10						08/18/10 08:30
Date Analyzed	6010		8/19/2010	1				08/19/10 20:00	
Arsenic	6010	ug/L	4.8 U	1	4.8	19	7440-38-2	08/19/10 20:00	08/18/10 08:30
Cadmium	6010	ug/L	0.6 U	1	0.6	2.4	7440-43-9	08/19/10 20:00	08/18/10 08:30
Chromium	6010	ug/L	3.5 U	1	3.5	14	7440-47-3	08/19/10 20:00	08/18/10 08:30

Laboratory ID Number - E84809

SunLabs, Inc.
5460 Beaumont Center Blvd., Suite 520
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Report of Laboratory Analysis

SunLabs Project Number

100817.01

GLE Associates, Inc.

Project Description

Taylor Nursery

August 26, 2010

Footnotes	
I	*The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.*
J	*The reported value failed to meet the established quality control criteria for either precision or accuracy(see cover letter for explanation)*
LCS	*Laboratory Control Sample*
LCSD	*Laboratory Control Sample Duplicate*
MB	*Method Blank*
MS	*Matrix Spike*
MSD	*Matrix Spike Duplicate*
NA	*Sample not analyzed at client's request.*
p	*SunLabs is not currently NELAC certified for this analyte.*
Q	*Sample held beyond the accepted holding time.*
RL	*RL(reporting limit) = PQL(practical quantitation limit).*
RPD	*Relative Percent Difference*
U	*Compound was analyzed for but not detected.*
V	*Indicates that the analyte was detected in both the sample and the associated method blank.*

Laboratory ID Number - E84809

Quality Control Data

Project Number **GLE Associates, Inc.**

100817.01

Project Description
Taylor Nursery

August 26, 2010

Batch No: D5507

Test: Polynuclear Aromatic Hydrocarbons by Method 8270

Associated Samples
106979

TestCode: 8270PAH-s

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106869*	*106869*					
Terphenyl-d14 (5-139)	67	%														
Acenaphthene	0.0021 U	mg/kg	100	53	58	9	15	41-85	1000	51	44	15	17	44-98		
Acenaphthylene	0.0022 U	mg/kg	100	55	63	14	14	38-96	1000	65	55	17	20	55-100		
Anthracene	0.0017 U	mg/kg	100	72	69	4	15	49-90	1000	52	63	19	21	51-103		
Benzo(a)anthracene	0.0015 U	mg/kg	100	75	69	8	20	35-115	1000	57	65	13	14	50-105		
Benzo(a)pyrene	0.002 U	mg/kg	100	65	64	2	8	29-93	1000	60	62	3	70	5-107		
Benzo(b)fluoranthene	0.0027 U	mg/kg	100	61	58	5	20	30-112	1000	59	62	5	88	5-129		
Benzo(g,h,i)perylene	0.0069 U	mg/kg	100	61	64	5	12	20-116	1000	54	54	0	41	30-93		
Benzo(k)fluoranthene	0.0019 U	mg/kg	100	70	67	4	13	34-104	1000	57	63	10	54	25-108		
Chrysene	0.0012 U	mg/kg	100	75	69	8	21	52-99	1000	53	62	16	20	53-100		
Dibenzo(a,h)anthracene	0.0073 U	mg/kg	100	65	62	5	6	35-106	1000	48	56	15	30	42-90		
Fluoranthene	0.0023 U	mg/kg	100	61	59	3	17	42-106	1000	54	59	9	35	21-149		
Fluorene	0.0018 U	mg/kg	100	73	67	9	17	42-93	1000	51	68	29*	13	50-106		
Indeno(1,2,3-cd)pyrene	0.0072 U	mg/kg	100	67	65	3	13	30-113	1000	48	52	8	34	41-89		
1-Methylnaphthalene	0.0033 U	mg/kg	100	52	56	7	18	41-89	1000	65	65	0	10	42-103		
2-Methylnaphthalene	0.0028 U	mg/kg	100	57	51	11	14	42-84	1000	58	69	17	20	43-97		
Naphthalene	0.0055 U	mg/kg	100	65	66	2	13	45-80	1000	48	57	17	20	46-88		
Phenanthrene	0.0028 U	mg/kg	100	61	62	2	15	47-87	1000	49	61	22*	20	48-104		
Pyrene	0.0069 U	mg/kg	100	67	66	2	13	42-105	1000	60	66	10	30	25-141		

Batch No: D5508

Test: Florida Petroleum Range Organics(C8-C40)

Associated Samples
106979

TestCode: FlPro-s

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106869*	*106869*					
Date Extracted	3/16/2010 U															
Date Analyzed	3/17/2010 U															
C-39 (40-140)	52	%														
o-Terphenyl (40-140)	61	%														
Petroleum Range Organics	4.8 U	mg/kg	850	67	71	6	25	63-143	850	67	51*	27*	25	60-140		Q1

Batch No: D5511

Test: Metals by EPA Method 6010

Associated Samples
106986, 106987, 106988, 106989

TestCode: 6010-L-ug/l

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106917*	*106917*					
Arsenic	4.8 U	ug/L	1000	102	99	3	20	80-120	1000	101	102	1	20	75-125		
Barium	1.0 U	ug/L	1000	105	104	1	20	80-120	1000	98	100	2	20	75-125		
Cadmium	0.6 U	ug/L	1000	102	102	0	20	80-120	1000	100	100	0	20	75-125		
Chromium	3.5 U	ug/L	1000	104	104	0	20	80-120	1000	98	98	0	20	75-125		
Iron	2.3 U	ug/L	1000	99	98	1	20	80-120	1000	114	73*	44*	20	75-125		Q1
Lead	4.4 U	ug/L	1000	103	102	1	20	80-120	1000	97	99	2	20	75-125		
Selenium	4.7 U	ug/L	1000	103	100	3	20	80-120	1000	99	103	4	20	75-125		
Silver	3.3 U	ug/L	1000	101	101	0	20	80-120	1000	96	98	2	20	75-125		
Sodium	98	ug/L	10.0	97	98	1	20	80-120	10.0	57*	40*	35*	20	75-125		Q1
Zinc	2.9 U	ug/L	1000	105	103	2	20	80-120	1000	100	102	2	20	75-125		

Quality Control Data

Project Number

100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

Batch No: D5514

Test: RCRA Metals by EPA Method 6010

Associated Samples
106980, 106981, 106982, 106983, 106984

TestCode: 6010-S

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106980*	*106980*					
Arsenic	0.2 U	mg/kg	1000	85	85	0	20	80-120	1000	82	85	4	20	75-125		
Cadmium	0.03 U	mg/kg	1000	86	85	1	20	80-120	1000	84	86	2	20	75-125		
Calcium	3.5 I	mg/kg	10.0	91	94	3	20	80-120	10.0	0*	650*	200*	20	75-125		Q1
Chromium	0.2 U	mg/kg	1000	93	91	2	20	80-120	1000	76	103	30*	20	75-125		Q1
Lead	0.2 U	mg/kg	1000	85	84	1	20	80-120	1000	77	82	6	20	75-125		

Batch No: D5524

Test: Organochlorine Pesticides by EPA Method 8081

Associated Samples
106986, 106987, 106989

TestCode: 8081-w

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106986*	*106986*					
2,4,5,6-Tetrachloro-m-xylene (10-139)	50	%														
Aldrin	0.002 U	ug/L	200	61				32-104	200	68	65	5	182	0-122		
a-BHC	0.0023 U	ug/L	200	71				16-109	200	71	65	9	22	0-172		
b-BHC	0.0030 U	ug/L	200	73				36-106	200	83	78	6	183	0-150		
d-BHC	0.0023 U	ug/L	200	67				0-176	200	83	75	10	68	0-145		
a-Chlordane	0.0019 U	ug/L	200	73				36-117	200	80	75	6	184	0-140		
g-Chlordane	0.0021 U	ug/L	200	79				41-140	200	90	82	9	24	0-155		
4,4'-DDD	0.0016 U	ug/L	200	83				46-127	200	92	86	7	23	9-141		
4,4'-DDE	0.0017 U	ug/L	200	70				34-124	200	75	70	7	18	22-108		
4,4'-DDT	0.002 U	ug/L	200	96				33-144	200	102	97	5	33	0-182		
Dieldrin	0.0014 U	ug/L	200	73				43-120	200	78	72	8	27	22-138		
Endosulfan I	0.0019 U	ug/L	200	82				39-112	200	83	77	8	36	0-147		
Endosulfan II	0.0018 U	ug/L	200	93				40-132	200	86	80	7	23	21-131		
Endosulfan sulfate	0.0027 U	ug/L	200	83				2-149	200	89	87	2	92	0-183		
Endrin	0.0018 U	ug/L	200	78				40-127	200	88	82	7	32	9-155		
Endrin aldehyde	0.0019 U	ug/L	200	81				42-146	200	105	93	12	83	0-162		
Endrin ketone	0.0016 U	ug/L	200	85				44-134	200	93	87	7	22	6-153		
Heptachlor	0.0024 U	ug/L	200	63				36-99	200	70	65	7	181	0-129		
Heptachlor epoxide	0.0022 U	ug/L	200	70				37-112	200	79	73	8	35	16-108		
Lindane	0.0024 U	ug/L	200	64				25-112	200	65	60	8	24	22-97		
Methoxychlor	0.0018 U	ug/L	200	92				52-147	200	104	98	6	31	0-188		
Mirex	0.015 U	ug/L	200	74				39-120	200	82	74	10	34	0-130		
Toxaphene	0.044 U	ug/L														

Batch No: D5536

Test: Polynuclear Aromatic Hydrocarbons by Method 8270

Associated Samples
106985

TestCode: 8270PAH-w

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106985*	*106985*					
Terphenyl-d14 (3-130)	59	%														
Acenaphthene	0.028 U	ug/L	100	50	51	2	10	48-87	100	43	46	7	49	14-113		
Acenaphthylene	0.022 U	ug/L	100	51	50	2	16	31-109	100	45	53	16	35	10-112		
Anthracene	0.020 U	ug/L	100	65	66	2	14	53-90	100	57	65	13	42	20-118		
Benzo(a)anthracene	0.011 U	ug/L	100	73	75	3	7	53-111	100	61	73	18	66	12-131		
Benzo(a)pyrene	0.009 U	ug/L	100	57	63	10	14	27-104	100	44	50	13	46	6-101		
Benzo(b)fluoranthene	0.007 U	ug/L	100	62	67	8	43	7-143	100	47	54	14	34	3-113		
Benzo(g,h,i)perylene	0.012 U	ug/L	100	51	60	16	20	32-112	100	43	45	5	37	2-114		

Quality Control Data

Project Number **GLE Associates, Inc.**

100817.01

Project Description
Taylor Nursery

August 26, 2010

Batch No: D5536

Test: Polynuclear Aromatic Hydrocarbons by Method 8270

Associated Samples
106985

TestCode: 8270PAH-w

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106985*	*106985*					
Benzo(k)fluoranthene	0.017 U	ug/L	100	61	66	8	30	24-124	100	49	52	6	29	15-107		
Chrysene	0.010 U	ug/L	100	76	76	0	4	63-99	100	62	75	19	28	27-121		
Dibenzo(a,h)anthracene	0.011 U	ug/L	100	48	48	0	11	21-111	100	41	50	20	43	8-106		
Fluoranthene	0.020 U	ug/L	100	57	54	5	8	46-110	100	47	54	14	42	18-132		
Fluorene	0.030 U	ug/L	100	58	67	14	18	46-99	100	54	63	15	52	15-115		
Indeno(1,2,3-cd)pyrene	0.011 U	ug/L	100	54	64	17	20	43-110	100	43	51	17	47	4-116		
1-Methylnaphthalene	0.028 U	ug/L	100	69	70	1	3	21-115	100	62	70	12	37	0-128		
2-Methylnaphthalene	0.025 U	ug/L	100	63	68	8	11	26-106	100	54	66	20	33	0-124		
Naphthalene	0.031 U	ug/L	100	50	55	10	16	40-85	100	46	51	10	46	0-154		
Phenanthrene	0.026 U	ug/L	100	60	61	2	6	51-95	100	50	57	13	40	20-118		
Pyrene	0.022 U	ug/L	100	63	65	3	10	46-107	100	54	59	9	34	18-128		

Batch No: D5537

Test: Organochlorine Pesticides by EPA Method 8081

Associated Samples
106980, 106981, 106982, 106983, 106984

TestCode: 8081-s1

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106982*	*106982*					
2,4,5,6-tetrachloro-m-xylene (16-141)	66	%														
Aldrin	0.0022 U	mg/kg	100	95	102	7	21	40-135	100	99	92	7	20	0-180		
a-BHC	0.0029 U	mg/kg	100	105	113	7	19	45-127	100	114	105	8	24	49-123		
b-BHC	0.0018 U	mg/kg	100	105	109	4	20	37-123	100	109	103	6	20	40-125		
d-BHC	0.0022 U	mg/kg	100	92	98	6	22	28-136	100	98	91	7	18	29-140		
a-Chlordane	0.0023 U	mg/kg	100	95	102	7	18	39-129	100	99	93	6	16	0-193		
g-Chlordane	0.0017 U	mg/kg	100	96	103	7	18	48-122	100	104	98	6	16	0-178		
4,4'-DDD	0.0018 U	mg/kg	100	96	105	9	14	41-138	100	92	100	8	22	0-203		
4,4'-DDE	0.0017 U	mg/kg	100	83	94	12	22	46-138	100	91	85	7	20	0-192		
4,4'-DDT	0.00064 U	mg/kg	100	85	94	10	17	41-142	100	93	112	19	20	0-187		
Dieldrin	0.0016 U	mg/kg	100	81	88	8	20	37-114	100	87	81	7	33	0-154		
Endosulfan I	0.0016 U	mg/kg	100	107	120	11	20	43-124	100	86	95	10	129	0-190		
Endosulfan II	0.0016 U	mg/kg	100	69	78	12	20	43-110	100	84	94	11	219	0-163		
Endosulfan sulfate	0.0012 U	mg/kg	100	70	77	10	16	45-121	100	79	72	9	64	0-166		
Endrin	0.0017 U	mg/kg	100	99	113	13	21	53-128	100	106	100	6	23	0-201		
Endrin aldehyde	0.0016 U	mg/kg	100	58	63	8	20	34-89	100	72	69	4	21	0-149		
Endrin ketone	0.0013 U	mg/kg	100	81	89	9	29	41-129	100	88	82	7	20	0-185		
Heptachlor	0.0019 U	mg/kg	100	93	104	11	21	32-131	100	120	109	10	24	32-142		
Heptachlor epoxide	0.0017 U	mg/kg	100	91	99	8	20	43-120	100	99	92	7	20	0-194		
Lindane	0.0006 U	mg/kg	100	87	95	9	21	43-119	100	95	88	8	18	48-117		
Methoxychlor	0.0019 U	mg/kg	100	88	81	8	13	51-133	100	84	76	10	20	0-195		
Mirex	0.0064 U	mg/kg	100	71	79	11	22	31-122	100	72	74	3	20	0-172		
Toxaphene	0.074 U	mg/kg														

Batch No: D5538

Test: Organophosphorus Pesticides

Associated Samples
106986, 106987, 106989

TestCode: 8270-OGP-W

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106986*	*106986*					
p-terphenyl-d14 (11-122)	83	%														
Aspon	0.06 U	ug/L														

Quality Control Data

Project Number **GLE Associates, Inc.**

100817.01

Project Description
Taylor Nursery

August 26, 2010

Batch No: **D5538**

Test: Organophosphorus Pesticides

TestCode: 8270-OGP-W

Associated Samples
106986, 106987, 106989

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106986*	*106986*					
Atrazine	0.06 U	ug/L														
Azinphos ethyl	0.07 U	ug/L														
Azinphos methyl	0.53 U	ug/L	1000	59	68	14	19	20-117	1000	57	46	21*	5	26-130		
Bolstar	0.09 U	ug/L	1000	84	88	5	12	38-108	1000	77	70	10	20	51-96		
Carbophenothion	0.06 U	ug/L														
Chlorfenvinphos	0.2 U	ug/L														
Chlorpyrifos	0.08 U	ug/L	1000	89	95	7	11	61-104	1000	79	75	5	7	56-108		
Chlorpyrifos methyl	0.08 U	ug/L														
Coumaphos	0.5 U	ug/L	1000	101	110	9	15	50-130	1000	91	85	7	7	52-132		
Crotoxyphos	0.02 U	ug/L														
Demeton-O+S	0.02 U	ug/L	1000	69	77	11	16	36-100	1000	55	54	2	18	35-100		
Diazinon	0.05 U	ug/L	1000	89	92	3	12	61-107	1000	78	74	5	9	55-113		
Dichlorofenthion	0.07 U	ug/L														
Dichlorvos	0.06 U	ug/L	1000	86	93	8	13	40-105	1000	70	68	3	5	41-103		
Dicrotophos	0.16 U	ug/L														
Dimethoate	0.07 U	ug/L	1000	78	78	0	15	23-92	1000	67	63	6	7	32-89		
Disulfoton	0.04 U	ug/L	1000	75	78	4	11	43-101	1000	63	62	2	11	44-100		
EPN	0.21 U	ug/L	1000	104	111	7	16	47-148	1000	92	85	8	11	62-145		
Ethion	0.11 U	ug/L														
Ethoprop	0.02 U	ug/L	1000	87	95	9	14	56-101	1000	78	73	7	7	51-105		
Famphur	0.12 U	ug/L														
Fenitrothion	0.05 U	ug/L														
Fensulfothion	0.08 U	ug/L	1000	101	102	1	12	29-128	1000	98	86	13	20	55-111		
Fenthion	0.06 U	ug/L	1000	92	96	4	12	51-125	1000	81	76	6	9	56-114		
Fonophos	0.08 U	ug/L														
Leptophos	0.26 U	ug/L														
Malathion	0.07 U	ug/L	1000	91	96	5	11	62-105	1000	81	76	6	11	58-109		
Merphos	0.02 U	ug/L														
Mevinphos	0.05 U	ug/L	1000	80	85	6	15	42-98	1000	70	65	7	20	48-94		
Monocrotophos	0.05 U	ug/L	1000	3	5	50	58	0-28	1000	66*	6	167	194	0-25		
Naled	0.21 U	ug/L	1000	16	18	12	52	0-48	1000	18	16	12	27	0-60		
Parathion	0.07 U	ug/L	1000	94	100	6	8	49-113	1000	84	80	5	6	61-107		
Parathion methyl	0.05 U	ug/L	1000	84	92	9	15	44-107	1000	83	76	9	20	49-108		
Phorate	0.04 U	ug/L	1000	73	77	5	13	32-106	1000	63	58	8	20	37-105		
Phosmet	0.14 U	ug/L														
Phosphamidon	0.18 U	ug/L														
Ronnel	0.05 U	ug/L	1000	90	94	4	14	48-103	1000	80	76	5	6	50-97		
Simazine	0.07 U	ug/L														
Sulfotepp	0.08 U	ug/L	1000	88	95	8	11	61-107	1000	77	72	7	7	58-110		
Stirofos	0.08 U	ug/L	1000	98	103	5	14	32-112	1000	90	83	8	20	37-110		
TEPP	0.02 U	ug/L	1000	9	12	29	35	0-365	1000	14	14	0	39	0-339		
Terbufos	0.09 U	ug/L														
Thionazin	0.05 U	ug/L														
Tokuthion	0.06 U	ug/L	1000	93	97	4	10	53-104	1000	80	74	8	20	52-101		
Trichloronate	0.08 U	ug/L	1000	86	89	3	15	56-103	1000	75	72	4	10	58-105		

Quality Control Data

Project Number

100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

Batch No: **D5540**

Test: **Organophosphorus Pesticides**

TestCode: 8270-OGP-S

Associated Samples
106980, 106981, 106982, 106983, 106984

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106982*	*106982*					
p-terphenyl-d14 (5-130)	63	%														
Aspon	0.006 U	mg/kg														
Atrazine	0.014 U	mg/kg														
Azinphos ethyl	0.020 U	mg/kg														
Azinphos methyl	0.013 U	mg/kg	100	66	66	0	13	13-125	100	79	61	26*	20	19-135		
Bolstar	0.012 U	mg/kg	100	76	74	3	14	33-101	100	82	71	14	16	40-93		
Carbophenothion	0.006 U	mg/kg														
Chlorfenvinphos	0.011 U	mg/kg														
Chlorpyrifos	0.018 U	mg/kg	100	77	75	3	20	52-84	100	85	71	18	19	49-90		
Chlorpyrifos Methyl	0.012 U	mg/kg														
Coumaphos	0.017 U	mg/kg	100	86	87	1	14	31-115	100	93	83	11	18	41-122		
Crotoxyphos	0.017 U	mg/kg														
Demeton-O+S	0.022 U	mg/kg	100	67	67	0	16	27-94	100	69	61	12	27	15-94		
Diazinon	0.014 U	mg/kg	100	73	72	1	20	46-90	100	79	66	18	21	42-97		
Dichlorofenthion	0.002 U	mg/kg														
Dichlorvos	0.012 U	mg/kg	100	23	21	9	22	0-123	100	40	40	0	20	38-113		
Dicrotophos	0.013 U	mg/kg														
Dimethoate	0.009 U	mg/kg	100	80	74	8	20	24-102	100	84	72	15	22	22-109		
Disulfoton	0.021 U	mg/kg	100	60	61	2	17	31-96	100	65	54	18	31	14-101		
EPN	0.011 U	mg/kg	100	88	93	6	14	28-125	100	100	87	14	20	37-131		
Ethion	0.013 U	mg/kg														
Ethoprop	0.010 U	mg/kg	100	69	68	1	12	53-82	100	72	62	15	18	51-89		
Famphur	0.018 U	mg/kg														
Fenitrothion	0.095 U	mg/kg														
Fensulfothion	0.012 U	mg/kg	100	85	81	5	18	24-109	100	92	83	10	16	31-113		
Fenthion	0.010 U	mg/kg	100	78	76	3	12	53-112	100	85	72	17	20	61-105		
Fonophos	0.010 U	mg/kg														
Leptophos	0.012 U	mg/kg														
Malathion	0.011 U	mg/kg	100	46	43	7	20	38-97	100	77	63	20	20	41-111		
Merphos	0.016 U	mg/kg														
Methyl Parathion	0.007 U	mg/kg	100	79	77	3	15	28-117	100	88	77	13	17	33-122		
Mevinphos	0.010 U	mg/kg	100	48	47	2	14	36-74	100	63	55	14	19	52-80		
Monocrotophos	0.011 U	mg/kg	100	79	80	1	20	4-104	100	119*	105	12	21	23-118		
Naled	0.012 U	mg/kg														
Parathion	0.008 U	mg/kg	100	79	78	1	9	55-95	100	86	75	14	21	52-102		
Phorate	0.002 U	mg/kg	100	61	62	2	9	42-85	100	62	53	16	24	25-94		
Phosmet	0.007 U	mg/kg														
Phosphamidon	0.017 U	mg/kg														
Ronnel	0.012 U	mg/kg	100	78	76	3	12	41-87	100	84*	71	17	17	52-81		
Simazine	0.013 U	mg/kg														
Stirofos	0.012 U	mg/kg	100	83	80	4	20	34-102	100	100	86	15	33	33-105		
Sulfotepp	0.012 U	mg/kg	100	71	69	3	20	49-105	100	73	63	15	18	54-105		
TEPP	0.012 U	mg/kg														
Terbufos	0.002 U	mg/kg														
Thionazin	0.012 U	mg/kg														
Tokuthion	0.013 U	mg/kg	100	80	78	3	39	44-93	100	86	75	14	15	48-89		
Trichloronate	0.012 U	mg/kg	100	71	71	0	20	47-105	100	81	71	13	15	46-113		

Quality Control Data

Project Number

100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

Batch No: D5555

Test: Chlorinated Herbicides by EPA Method 8151

Associated Samples
106986, 106987, 106989

TestCode: 8151-w

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106987*	*106987*					
2,4-Dichlorophenylacetic acid (D-131)	73	%														
2,4-D	0.45 U	ug/L			71			37-150	1000	106	110	4	31	19-145		
Dalapon	0.12 U	ug/L														
2,4-DB	0.20 U	ug/L														
Dicamba	0.34 U	ug/L			83			56-145	1000	97	103	6	27	19-142		
Dichloroprop	0.40 U	ug/L			81			46-142	1000	86	86	0	56	7-136		
Dinoseb	0.16 U	ug/L														
MCPA	0.35 U	ug/L														
MCPP	0.40 U	ug/L														
Picloram	0.51 U	ug/L														
Silvex	0.44 U	ug/L			80			47-149	1000	100	106	6	33	23-136		
2,4,5-T	0.14 U	ug/L			93			39-140	1000	80	87	8	40	1-128		

Batch No: D5556

Test: Chlorinated Herbicides by EPA Method 8151

Associated Samples
106980, 106981, 106982, 106983, 106984

TestCode: 8151-s

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106980*	*106980*					
2,4-Dichlorophenylacetic acid (5-120)	94	%														
2,4-D	0.043 U	mg/kg	1000	79	83	5	25	53-134	1000	85	91	7	185	0-171		
Dalapon	0.19 U	mg/kg														
2,4-DB	0.051 U	mg/kg	1000	80	85	6	35	36-136	1000	100	105	5	141	22-143		
Dicamba	0.027 U	mg/kg	1000	93	101	8	20	0-128	1000	95	97	2	53	0-140		
Dichloroprop	0.029 U	mg/kg	1000	88	95	8	23	53-131	1000	92	97	5	27	39-139		
Dinoseb	0.038 U	mg/kg	1000	57	57	0	25	26-68	1000	49	20	84	418	0-79		
MCPA	0.46 U	mg/kg	10000	50	53	6	63	0-113	1000	37	40	8	85	0-126		
MCPP	0.49 U	mg/kg	10000	69	75	8	40	0-100	1000	74	76	3	61	1-105		
Picloram	0.023 U	mg/kg	1000	83	90	8	25	62-104	1000	74	80	8	25	41-120		
Silvex	0.15 U	mg/kg	1000	90	97	7	23	63-131	1000	94	96	2	103	31-156		
2,4,5-T	0.028 U	mg/kg	1000	66	72	9	33	38-141	1000	73	75	3	68	32-137		

Batch No: D5585

Test: Petroleum Range Organics(C8-C40)

Associated Samples
106985

TestCode: FlPro-w

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106985*	*106985*					
Date Extracted	3/19/2010 U															
Date Analyzed	3/24/2010 U															
C-39 (40-140)	53	%														
o-Terphenyl (40-140)	73	%														
Petroleum Range Organics	46 U	ug/L	850	71	76	7	20	55-118	850	73	76	4	25	60-140		

Quality Control Data

Project Number 100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

Batch No: D5591

Test: Volatile Aromatics

Associated Samples
106985

TestCode: 8260-wA

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number										*106910*					*106911*	
Surrogate (66-125)	99	%														
Benzene	0.10 U	ug/L	50	104	104	0	5	85-107	50	105				61-125	0	
Chlorobenzene	0.20 U	ug/L	50	103	104	1	4	88-107	50	100				72-115	0	
1,2-Dichlorobenzene	0.20 U	ug/L	50	101	105	4	4	88-107	50	97				86-109	0	
1,3-Dichlorobenzene	0.30 U	ug/L	50	104	105	1	6	88-106	50	105				76-117	0	
1,4-Dichlorobenzene	0.40 U	ug/L	50	98	102	4	7	86-108	50	93				87-109	0	
Ethylbenzene	0.20 U	ug/L	50	103	103	0	3	89-109	50	103				69-140	0	
MTBE	0.05 U	ug/L	50	99	101	2	4	80-107	50	110*				88-109	0	
Toluene	0.30 U	ug/L	50	104	106	2	3	86-106	50	104				60-127	0	
Total Xylenes	0.40 U	ug/L	50	104	105	1	3	90-110	50	103				81-118	0	
Total VOA	0.1 U	ug/L														

Batch No: D5596

Test: Volatile Organic Compounds By EPA Method 8260

Associated Samples
106979

TestCode: 8260-S-LL

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number																
4-Bromofluorobenzene (28-135)	113	%														
Dibromofluoromethane (3-179)	103	%														
Toluene-d8 (49-134)	104	%														
Acetone	0.016 U	mg/kg	50	114	120	5	19	3-216								
Benzene	0.0005 U	mg/kg	50	92	92	0	53	54-145								
Bromochloromethane	0.0007 U	mg/kg	50	84	85	1	8	68-132								
Bromodichloromethane	0.0005 U	mg/kg	50	94	94	0	38	59-133								
Bromoform	0.0007 U	mg/kg	50	87	92	6	9	79-117								
2-Butanone	0.013 U	mg/kg	50	105	108	3	18	44-163								
Carbon disulfide	0.0008 U	mg/kg	50	84	82	2	23	66-127								
Carbon tetrachloride	0.001 U	mg/kg	50	84	83	1	20	72-132								
Chlorobenzene	0.0006 U	mg/kg	50	85*	86	1	15	86-116								
Chloroethane	0.001 U	mg/kg	50	72	63	13	30	49-157								
Chloroform	0.0006 U	mg/kg	50	86	85	1	14	63-140								
Chloromethane	0.001 U	mg/kg	50	81	80	1	27	47-152								
Dibromochloromethane	0.001 U	mg/kg	50	83	85	2	20	50-136								
Dibromomethane	0.001 U	mg/kg	50	85	87	2	13	46-143								
1,2-Dichlorobenzene	0.0008 U	mg/kg	50	82	84	2	12	62-143								
1,3-Dichlorobenzene	0.0009 U	mg/kg	50	84	85	1	21	74-130								
1,4-Dichlorobenzene	0.0009 U	mg/kg	50	88	90	2	15	76-124								
Dichlorodifluoromethane	0.001 U	mg/kg	50	89	85	5	31	39-134								
1,1-Dichloroethane	0.0009 U	mg/kg	50	87	86	1	19	65-141								
1,2-Dichloroethane	0.0004 U	mg/kg	50	94	96	2	33	61-136								
1,1-Dichloroethene	0.001 U	mg/kg	50	88	85	3	25	70-136								
cis-1,2-Dichloroethene	0.0006 U	mg/kg	50	87	87	0	15	62-141								
trans-1,2-Dichloroethene	0.0007 U	mg/kg	50	87	85	2	14	68-137								
1,2-Dichloropropane	0.0007 U	mg/kg	50	84	84	0	30	56-145								
1,3-Dichloropropene	0.001 U	mg/kg	50	90	92	2	12	25-167								
Ethylbenzene	0.0004 U	mg/kg	50	87	87	0	34	65-125								
2-Hexanone	0.01 U	mg/kg	50	94	104	10	13	0-221								
4-Methyl-2-pentanone	0.008 U	mg/kg	50	85	93	9	13	11-211								
Methylene chloride	0.002 U	mg/kg	50	91	92	1	27	52-155								
MTBE	0.0007 U	mg/kg	50	102	107	5	22	45-146								

Quality Control Data

Project Number

100817.01

GLE Associates, Inc.

Project Description
Taylor Nursery

August 26, 2010

Batch No: **D5596**

Test: Volatile Organic Compounds By EPA Method 8260

Associated Samples
106979

TestCode: 8260-S-LL

Compound	Blank		LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number																
Isopropylbenzene	0.0004 U	mg/kg	50	103	103	0	32	60-149								
Styrene	0.0007 U	mg/kg	50	92	94	2	15	74-122								
1,1,2,2-Tetrachloroethane	0.0008 U	mg/kg	50	89	90	1	22	74-130								
Tetrachloroethene	0.0005 U	mg/kg	50	82	81	1	14	73-122								
Toluene	0.003 U	mg/kg	50	86	86	0	21	28-172								
Total Xylenes	0.003 U	mg/kg	50	100	99	1	32	66-142								
1,1,1-Trichloroethane	0.0008 U	mg/kg	50	84	84	0	14	69-131								
1,1,2-Trichloroethane	0.0008 U	mg/kg	50	85	89	5	40	51-141								
Trichloroethene	0.0008 U	mg/kg	50	85	85	0	22	75-124								
Trichlorofluoromethane	0.0008 U	mg/kg	50	90	83	8	29	65-138								
1,2,4-Trimethylbenzene	0.001 U	mg/kg	50	104	104	0	30	61-152								
1,3,5-Trimethylbenzene	0.0007 U	mg/kg	50	88	88	0	29	67-134								
Vinyl acetate	0.0006 U	mg/kg	50	107	112	5	21	40-151								
Vinyl chloride	0.0008 U	mg/kg	50	82	79	4	29	62-129								

* indicates value is outside control limits for %Recovery or greater than acceptance criteria for RPD

Footnotes

I	*The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.*
Q1	*The result for the spike(s) were not within acceptable control limits. However, the LCS data was within acceptable control limits. Therefore the poor spike results can be attributed to matrix.*
U	*Compound was analyzed for but not detected.*

100817.01

SunLabs, Inc. Chain of Custody

№ 26973

Client Name: GLE
Contact: Michael Madonna
Address: 4300 W. Cypress Street
Tampa, FL 33607
Phone / Fax: _____
E-Mail : _____

Project Name: Taylor Nursery
Project #: 10810-00099
PO #: _____
Alt Bill To: _____
_____

Due Date Requested*: _____

☐ FDEP PreApproval site
☐ Cash rates

Remarks / Comments: (1 Used)
1 3 filters
Note:
TMW-3 - Altered Metals (Due to Turbidity)
Herb. QA/QC at TMW-3
Rest QA/QA at TMW-2

Length of Record Retention if other than 5 years:* _____

SunLabs Sample #	Sample Description	Sampled Date	Sampled Time	# of Bottles	SunLabs Project #	VOA	PAH	FIPRD	Chlorinated Pesticides	Organochlorinated Pesticides	Chlorinated Herbicides	As, Cd, Cr, Pb, Cu	
					Bottle Type								
					Preservative								
					Matrix								
1069790	HA-1/6"	8/16/10	1110	5		X	X	X					
1069800	HA-4/SS-1/6"		1030	2					X	X	X	X	
1069951	HA-5/SS-2/6"		1050	2					X	X	X	X	
1069952	HA-16/SS-3/6"		1525	2					X	X	X	X	
1069983	HA-11/SS-5/6"		1515	2					X	X	X	X	
1069984	HA-12/SS-4/6"		1505	2					X	X	X	X	
1069985	TMW-1		942	9		X	X	X					
1069986	TMW-2		1120	8					X	X	X	X	
1069987/88	TMW-3		1314	6					X	X	X	X	
1069988	TMW-4	8/16/10	1455	4					X	X	X	X	
1069989													

Sampler Signature / Date: 08/16/2010

Printed Name / Affiliation: Michael Madonna / GLE

SUNLABS, INC. RESERVES THE RIGHT TO BILL FOR DISPOSAL OF UNUSED/ UNRETURNED SAMPLES AND TO RETURN UNUSED SAMPLES.

Relinquished By:	Relinquished To:	Date:	Time:
[signature]	[signature]	7/30/10	1200
[signature]	[signature]	8/17/10	803a

Bottle Type Codes:
GV = Glass Vial; GVS = Low Level Volatile Kit
GA = Glass Amber; T = Tedlar Bag
P = Plastic; O = Other (Specify)
S = Soil Jar

Preservative Codes:
H = Hydrochloric Acid + Ice; S = Sulfuric Acid + Ice
I = Ice only; VS = MeOH, OFW, + Ice
N = Nitric Acid + Ice; T = Sodium thiosulfate + ice
B = Sodium bisulfite + Ice; O = Other (Specify) _____

Matrix Codes:
A = Air; SO = Soil
DW = Drinking Water; SOL = Solid
GW = Ground Water; SW = Surface Water
SE = Sediment; W = Water (Blanks)
O = Other (Specify)

Internal Use Only
Temp upon receipt: 4.9 °C
Received on Ice? (Y) / N / NA

Internal Use Only
Sample Condition Upon Receipt:

Custody Seals present?	Y / (N) / NA
Custody Seals intact?	Y / N / (NA)
Shipping Bills attached?	Y / (N) / NA
Sample containers intact?	(Y) / N / NA
Samples within holding times?	(Y) / N / NA
Sufficient volume for all analyses?	(Y) / N / NA
Are vials head-space free?	(Y) / N / NA
Proper containers and preservatives?	(Y) / N / NA

SunLabs, Inc.
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e-mail: Info@SunLabsInc.com www.SunLabsInc.com

* See General Terms and Conditions on Reverse

Rev 12/09