LANDSCIENCE
Environmental Consultants and Engineers

June 13, 2018

Mr. Matthew Cohen
The City of Hallandale Beach
The Office of Capital Improvements
400 South Federal Highway
Hallandale Beach, FL 33009

Subject: Phase II Environmental Site Assessment Report for the
Chaves Lake Property
Folio Nos. 514221010180 and 514221010182
Located at Northwest 8th Avenue
Hallandale Beach, Broward County, FL
LandScience Project Number: 2186398

Dear Mr. Cohen,

LandScience is pleased to submit the attached report on a Phase II Environmental Site Assessment (ESA) for the above referenced property. The Phase II ESA was conducted in general accordance with good commercial and customary practices with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (i.e., Superfund) and petroleum products, as described in the American Society for Testing and Materials document Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process (ASTM E 1903-11).

LandScience appreciates the opportunity to assist you on this project. We look forward to providing you with our services again in the near future. Please feel free to contact us if you have questions concerning the report.

Yours Very Truly,

LandScience, Inc.

Russell Fernandez
Project Manager

Rob Ludicke, M.Sc., REP # 5985
President

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

for the

CHAVES LAKE PROPERTY
(Folio Nos. 5142-21-01-0180 and 5142-21-01-0182)
Located at Northwest 8th Avenue
Hallandale Beach, Broward County, Florida

Prepared for

CIT OF HALLANDALE BEACH
OFFICE OF CAPITAL IMPROVEMENTS
400 South Federal Highway
Hallandale Beach, FL 33009

Prepared by

LANDSCIENCE, INC.
12570 Northeast 7th Avenue
North Miami, Florida 33161

June 2018
LandScience Project No. 2186398

TABLE OF CONTENTS

Page

LIST OF FIGURES iii

LIST OF APPENDICES iv

1.0 EXECUTIVE SUMMARY 1

2.0 INTRODUCTION 5
- **2.1 Site Description** 6
- **2.2 Project Background** 6
- **2.3 Objectives and Scope of Work** 7
- **2.4 Health and Safety Plan** 9
- **2.5 Underground Utility Location** 9

3.0 PHASE II ASSESSMENT ACTIVITIES 10
- **3.1 Soil Boring Placement** 10
- **3.2 Soil Sampling, Field Screening, and Analysis** 11
- **3.3 Lithology Description** 11
- **3.4 Temporary Well Point Installation** 11
- **3.5 Groundwater Sampling and Analysis** 12
- **3.6 Lake Sediment and Lake Water Sampling and Analysis** 12

4.0 PHASE II ASSESSMENT RESULTS 14
- **4.1 Soil Field Screening Results** 14
- **4.2 Soil Sediment Analytical Results** 14
- **4.3 Groundwater Analytical Results** 15
- **4.4 Lake Water Analytical Results** 15

5.0 CONCLUSIONS AND RECOMMENDATIONS 17
- **5.1 Conclusions** 17

6.0 REFERENCES 19

7.0 LIMITATIONS OF STUDY 20

FIGURES

TABLES

APPENDICES

LIST OF FIGURES

Figure 1. Topographic Map Showing the Approximate Location of the Subject Property

Figure 2. Site Plan Showing the Approximate Soil Boring and Temporary Well Point Locations

Figure 3. Semi-Volatile Organic Compound Concentrations in Soil/Sediment

Figure 4. Volatile Organic Compound Concentrations in Soil/Sediment

Figure 5. 8 RCRA Metal Concentrations in Soil/Sediment

Figure 6. Total Recoverable Petroleum Hydrocarbon Concentrations in Soil/Sediment

Figure 7. Semi-Volatile Organic Compound Concentrations in Groundwater

Figure 8. Volatile Organic Compound Concentrations in Groundwater

Figure 9. 8 RCRA Metal Concentrations in Groundwater

Figure 10. Total Recoverable Petroleum Hydrocarbon Concentrations in Lake Surface Water

Figure 11. 8 RCRA Metal Concentrations in Lake Surface Water

LIST OF TABLES

Table 1. PID Soil Screening Summary

Table 2. Soil/Sediment Analytical Summary of Semi-Volatile Organic Compounds and TRPH

Table 3. Soil/Sediment Analytical Summary of Volatile Organic Compounds

Table 4. Soil/Sediment Analytical Summary of 8 RCRA Metals

Table 5. Benzo(a)Pyrene Equivalents

Table 6. Groundwater Analytical Summary of Semi-Volatile Organic Compounds and TRPH

Table 7. Groundwater Analytical Summary of 8 RCRA Metals

Table 8. Lake Water Analytical Summary of Semi-Volatile Organic Compound and TRPH

Table 9. Lake Water Analytical Summary of 8 RCRA Metals

LIST OF APPENDICES

Appendix A. Soil Boring Logs

Appendix B. Photographic Documentation

Appendix C. Laboratory Analytical Report and Chain of Custody Record for Soil and Groundwater Samples Collected on May 7, 2018

Appendix D. Laboratory Analytical Report and Chain of Custody Record for Lake Sediment and Water Samples Collected on May 21, 2018

Appendix E. Qualifications of Consultant

1.0 EXECUTIVE SUMMARY

LandScience has performed a Phase II Environmental Site Assessment (ESA) of the Chaves Lake Property located in the vicinity of Northwest 8th Avenue and Northwest 7th Street (Folio Nos. 5142-21-01-0180 & 5142-21-01-0182) in Hallandale Beach, Broward County, Florida, in general accordance with the scope and limitations of the ASTM document *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process* (ASTM E1903-11).

The information provided in this Executive Summary must not be used alone. LandScience recommends that the report be carefully read and considered in its entirety.

The Subject Property is situated west of Northwest 8th Avenue and south of Northwest 7th Street, and is located within Section 21, Township 51 South, Range 42 East, in Hallandale Beach, Broward County, Florida.

According to land calculation information obtained from the Broward County Property Appraiser's Office, the Subject Property is approximately 34.54 acres in size. It consists of vacant land (approximately 4.75 acres in size) used as a transfer station for the City of Hallandale Beach, and a lake (approximately 29.79 acres in size).

It is our understanding that the City of Hallandale is considering converting the Subject Property into a public park. Therefore, the objective of the Phase II ESA was to evaluate the soil, sediment, groundwater, and lake water of the Subject Property to determine land use suitability.

The Phase II ESA results indicated the following:

<u>Soil</u>

The soil samples collected at all locations exhibited benzo(a)pyrene equivalents concentrations (e.g., carcinogenic polynuclear aromatic hydrocarbons [(PAHs]) which exceeded the Florida Department of

Environmental Protection (FDEP) Direct Exposure Residential Soil Cleanup Target Level of 0.1 milligrams per kilogram (mg/Kg), but were below the FDEP Direct Exposure Commercial/Industrial Soil Cleanup Target Level of 0.7 mg/Kg as established by the FDEP in Chapter 62-777 of the Florida Administrative Code (F.A.C.), Table II, *Soil Cleanup Target Levels (SCTLs)*.

In addition, soil samples, SB-2 (0-2') and SB-3 (0-2') exhibited total recoverable petroleum hydrocarbon (TRPH) concentrations which exceeded the leachability threshold based on groundwater criteria (*Leachability*) of 340 mg/Kg, but were below the FDEP Direct Exposure Residential SCTL of 460 mg/Kg. Soil sample, SB-6 (2'-4'), exhibited a TRPH concentration which exceeded the Leachability threshold, and the FDEP Direct Exposure Residential SCTL, but was below the FDEP Direct Exposure Commercial/Industrial SCTL of 2,700 mg/Kg.

Furthermore, soil sample SB-8 (2'-4') exhibited a methylene chloride concentration which slightly exceeded the Leachability threshold of 0.02 mg/Kg, but was below the FDEP Direct Exposure Residential SCTL of 17 mg/Kg.

<u>Groundwater</u>

Groundwater sample, GW-2, exhibited an arsenic concentration which exceeded the groundwater cleanup target level established by the FDEP in Chapter 62-777 of the F.A.C., Table I, *Groundwater and Surface Water Cleanup Target Levels (GCTLs)*, but was below the natural attenuation default concentration established in Chapter 62-777 of the F.A.C., *Natural Attenuation Default Concentrations (NADCs)*. The concentrations of the remaining constituents analyzed were either below the method detection limits, or the FDEP GCTLs.

The concentrations of the constituents analyzed in groundwater samples, GW-1 and GW-3 were either below the method detection limits, or the FDEP GCTLs.

Lake Sediment

Sediment sample, LS-1, exhibited a benzo(a)pyrene equivalents concentration which exceeded the FDEP Direct Exposure Residential SCTL of 0.1 mg/Kg, but was below the FDEP Direct Exposure Commercial/Industrial SCTL of 0.7 mg/Kg.

The concentrations of the remaining constituents analyzed were either below the method detection limits, or the FDEP Direct Exposure Residential SCTLs.

Lake Water

Lake water sample, LW-1 (9'), exhibited a silver concentration which exceeded the FDEP Surface Water Cleanup Target Level of 0.07 ug/L. However, the method detection limit of this analyte was 0.28 ug/L, which is higher than the Surface Water Cleanup Target Level of 0.07 ug/L. Therefore, the exceedance reported by the laboratory is considered inconclusive. Further assessment of this analyte may be warranted.

The concentrations of the remaining constituents analyzed in LW-1 (9') were either below the method detection limits, or the established FDEP Surface Water Cleanup Target Levels.

The concentrations of the constituents analyzed in lake water sample, LW-1 (18'), were either below the method detection limits, or the FDEP Surface Water Cleanup Target Levels.

Based on the information obtained during this assessment, the following conclusions are made:

1) The soil at the Subject Property from surface to a depth of approximately 6 feet below land surface, and the lake sediment in the area tested, appear to be impacted by arsenic and/or petroleum hydrocarbons at levels which will require further assessment and remediation in accordance with the FDEP as per Chapter 62-780 of the F.A.C.

2) The groundwater at the Subject Property, in the vicinity of GW-2, appears to be impacted by arsenic at a level which will require further assessment and remediation in accordance with the FDEP as per Chapter

62-780 of the F.A.C. However, it is worth noting that based on the lack of arsenic concentrations in groundwater samples, GW-1 and GW-3, it is possible that the elevated arsenic concentration in groundwater sample, GW-2, is the product of suspended sediments in the groundwater sample which may have lead to a false positives being reported. Confirmation of arsenic concentrations in the groundwater at this location may be warranted.

3) The lake water at the Subject Property does not appear to be impacted by the constituents analyzed (with the exception of the silver concentration detected considered to be inconclusive by LandScience).

4) Based on the laboratory analytical results, **it does not appear that the subsurface conditions at the Subject Property are suitable for the proposed land use (e.g., public park)**. At minimum, further assessment and remediation of the soil at the Subject Property will be necessary to meet the requirements of the proposed land use, as per Chapter 62-780 of the F.A.C.

2.0 INTRODUCTION

This report presents a summary of activities and results of a Phase II Environmental Site Assessment (ESA) conducted for the following property:

Chaves Lake Property
(Folio Nos. 5142-21-01-0180 and 5142-21-01-0182)
Located at Northwest 8th Avenue
Hallandale Beach, Broward County, Florida

The report presents the information gathered during the assessment, the methodologies utilized, and an evaluation of the information. It also includes our conclusions concerning environmental conditions at the above referenced property, and our recommendations for further environmental assessment, if necessary. Unless otherwise noted, the above referenced property will be referred to as the "Subject Property" throughout this report. This section presents a description of the Subject Property, the project background and objectives, and the scope of work performed.

During May 2018, LandScience was authorized by the City of Hallandale Beach, to conduct a Phase II ESA of the Subject Property. The Phase II ESA was conducted in accordance with LandScience Proposal Numbers 2188516 and 2188516B, dated April 10 and May 9, 2018, respectively, and in general accordance with the American Society for Testing and Materials document *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process* (ASTM E1903-11).

This Phase II ESA is not intended to be a comprehensive subsurface assessment of the entire property. The intent of the Phase II ESA is to assist the client in understanding the implications of existing environmental concerns that may be present at the Subject Property based on a reasonable level of field exploration and on the laboratory analytical data presented in this report. While every effort was made to sample in representative and suspect locations, we are not able to guarantee that all impacted soil and/or groundwater, if any, will be able to be identified. Unknown conditions may exist in areas of the site not tested as part of

this assessment (including underneath buildings or other structures). LandScience makes no final judgment nor is responsible for the independent conclusions, opinions, or recommendations made by others.

Figure 1 is a portion of the U.S. Geological Survey (USGS) topographic quadrangle map, dated 2010, that shows the location and topography of the Subject Property. **Figure 2** is a site plan that shows the approximate soil boring, temporary well point, sediment, and lake surface water sample locations within the Subject Property.

2.1 Site Description

The Subject Property, situated along the southeast side of the terminal end of Northwest 9th Avenue, is located in Section 21, Township 51 South, Range 42 East, in Hallandale Beach, Broward County, Florida.

According to land calculation information obtained from the Broward County Property Appraiser's Office, the Subject Property is approximately 34.54 acres in size. It consists of vacant land (approximately 4.75 acres in size) used as a transfer station for the City of Hallandale Beach, and a lake (approximately 29.79 acres in size). The remaining portions of the Subject Property consisted of concrete a paved entranceway along the northeast side.

2.2 Project Background

Review of a Phase I ESA prepared by Kimberly Ann Brown and Associates, Inc. (KABA) indicated that the following findings considered to be environmental concerns, or recognized environmental conditions (RECs) were identified:

•Construction debris observed on site

•Historically site was part of a larger Construction and Demolition (C&D) landfill.

•Historic inspection reports note unmanned entrance to yard transfer facility.

•Listed as an Inactive Borrow Pit Reclamation Project.

•Potential historic dry cleaning site within 0.125 miles o f the property to the northeast.

•Brownfields with engineering and institutional controls abutting Chaves Lake to the south.

•NPL site to the northwest within a 0.5 mile undergoing remediation.

•Historical report states gate to be locked to deter illegal dumping which causes suspicion of historical activities.

•Potential of unauthorized disposal of unknown wastes

•Potential suspect undocumented fill material from C& D operations

•Suspect container observed on site.

Based on these findings, the consultant indicated that further assessment was warranted. Therefore, the client retained LandScience to conduct a Phase II ESA.

2.3 Objectives and Scope of Work

The Phase II ESA Screening was conducted in general accordance with the American Society for Testing and Materials document *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process* (ASTM Standard Practice E1903-11).

It is our understanding that the City of Hallandale is considering converting the Subject Property into a public park. Therefore, the objective of the Phase II ESA was to evaluate the soil, sediment, groundwater, and lake water of the Subject Property to determine land use suitability.

The scope of services for the Phase II ESA consisted of the following:

- Development of a site-specific Health and Safety Plan.

- Clearance of underground utilities using the State One Call service.

- Performance of ten (10) soil borings in a grid pattern and the installation of three (3) temporary well points throughout the Subject Property using a truck-mounted Geoprobe unit (e.g., direct-push methodology).

- Collection of soil samples in two foot intervals to the soil/groundwater interface from each soil boring for field-screening of organic vapors using a photoionization detector (PID).

- Collection of one (1) soil sample (exhibiting highest PID reading, or from interval most likely to be impacted) from each soil boring for laboratory analysis of volatile organic compounds (VOCs) by EPA Method 8260C, semi-volatile organic compounds (SVOCs) by EPA Method 8270C, total recoverable petroleum hydrocarbons (TRPHs) by the FL-PRO Method, and for 8 Resource Conservation Recovery Act (RCRA) metals by EPA Method 6020.

- Collection of groundwater samples from the three (3) temporary well points for laboratory analysis of VOCs by EPA Method 8260C, SVOCs by EPA Method 8270C, TRPHs by the FL-PRO Method, and for 8 RCRA metals by EPA Method 200.8.

- Collection of one (1) intermediate and one (1) deep lake water sample, and one (1) lake sediment sample for laboratory analysis of VOCs by EPA Method 8260C, SVOCs by EPA Method 8270C, TRPHs by the FL-PRO Method, and for 8 RCRA metals by EPA Method 6020.

- Preparation of a Phase II ESA Screening Report summarizing all field activities and laboratory analytical results.

2.4 Health and Safety Plan

LandScience developed a Health and Safety Plan specific to the Subject Property as required by the Occupational Safety and Health Administration (OSHA) in accordance with Waste Operations and Emergency Response 29 CFR 1910.120. The Health and Safety Plan was prepared to reduce the risk of physical or chemical exposure that may affect on-site workers in the work area.

2.5 Underground Utility Location

Prior to drilling, an underground utility inspection was conducted at the Subject Property prior to the initiation of the subsurface inspection as required by Florida State law. The underground utility inspection was conducted by utility companies in response to the request made by LandScience by way of the Florida State One Call system.

3.0 PHASE II ASSESSMENT ACTIVITIES

This section is a discussion of the soil, groundwater, lake sediment, and lake water assessment activities conducted at the Subject Property on May 7, 2018 and May 21, 2018.

3.1 Soil Boring Placement

On May 7, 2018, a representative of LandScience supervised the placement of ten (10) soil borings, SB-1 through SB-10, in an effort to assess the current soil quality of the Subject Property. The approximate locations of the soil borings are shown on **Figure 2**.

3.2 Soil Sampling and Field Screening

Soil borings, SB-1 through SB-10, were advanced to the soil/groundwater interface, a depth of approximately six (6) feet below land surface (BLS). Discrete samples were collected in two-foot intervals to the soil/groundwater interface from each boring using a four-foot Teflon sampling tube. Soil sample collection was performed in accordance with Florida Department of Environmental Protection Standard Operating Procedures (DEP-SOP). The unsaturated soil samples collected from the soil borings were screened in the field using a PID. Prior to the collection of the soil samples, the sampler was decontaminated to reduce the potential for cross contamination. Soil samples were removed from the sample collection equipment and placed into clean, unused, plastic re-sealable bags with a minimum of two (2) inches of space to allow for head-space analysis.

Discrete soil samples were collected at the zero to two-foot interval from soil borings SB-2, SB-3, SB-4, SB-5, SB-9, and SB-10, using four-foot Teflon sampling tubes. In addition, discrete soil samples were collected at the two to four-foot interval from soil borings SB-1, SB-6, and SB-7. Furthermore a discrete soil sample

was collected at the four to six-foot interval from soil boring SB-8. The soil samples were introduced into pre-cleaned sample containers, placed on ice, and transported to Jupiter Environmental Laboratories, Inc., for analysis. The soil samples collected from soil boring, SB-1 (2'-4'), SB-2 (0'-2'), SB-3 (0'-2'), SB-4 (0'-2'), SB-5 (0'-2'), SB-6 (2'-4'), SB-7 (2'-4'), SB-8 (4'-6'), SB-9 (0'-2') and SB-10 (0'-2') were analyzed for VOCs by EPA Method 8260C, SVOCs by EPA Method 8270C, TRPHs by the FL-PRO Method, and for 8 RCRA metals by EPA Method 6020. Chain of custody documentation accompanied the samples to the laboratory.

3.3 Lithology Description

During the performance of the soil borings, LandScience observed the site lithology characteristics. In general, the lithology of soil borings, SB-1 through SB-10, consisted of a silty sand/clayey silt ranging in color from light beige, dark brown, tan, to white. SB-3 (0'-2'), SB-4 (0'-4'), SB-5 (0'-2') and (4'-6'), and SB-6 (0'-2') and (4'-6') were noted to have had several inches of concrete debris fill located through various depths of these soil cores. Soil boring logs are included in **Appendix A**. Photographic documentation of the soil borings is included in **Appendix B**.

3.4 Temporary Well Point Installation

On May 7, 2018, LandScience observed the installation of three (3) temporary well points, GW 1 through GW 3, to assess the current groundwater quality of the Subject Property. The approximate locations of the temporary well points are shown on **Figure 2**.

Temporary well points, GW-1 through GW-3, were 3/4-inch diameter well points installed by using a Geoprobe unit (i.e., direct push technology). Prior to the installation of the temporary well points, all drilling equipment and materials that may contact groundwater (i.e. development pump intake hose) were decontaminated to prevent any potential cross-contamination. Temporary well points, GW-1 through GW-3, were installed to a depth of fourteen (14) feet below land surface (approximately eight (8) feet below the

water table). The temporary well points were constructed with 3/4-inch diameter Schedule 40 PVC, with ten (10) feet of 0.010-slotted well screen surrounded with 20/30 silica sand, and a solid riser to approximately two (2) feet above ground surface.

After installation, the newly-installed temporary well points were developed with a centrifugal pump to remove fine grained sediments, ensuring a good hydraulic connection with the aquifer. All groundwater generated from well development was purged onto the paved ground surface.

3.5 Groundwater Sampling and Analysis

On May 7, 2018, a representative of LandScience collected groundwater samples from the newly installed temporary well points, GW 1 through GW 3. Prior to sample collection, the well points were purged of a minimum of five (5) well volumes of groundwater using a low-flow peristaltic pump to promote collection of representative groundwater samples from the shallow saturated zone.

Groundwater samples were collected by means of a peristaltic pump and introduced into pre-cleaned sample containers, placed on ice, and transported to Jupiter Environmental Laboratories, Inc., for laboratory analysis. The collected groundwater samples from temporary well points, GW 1 through GW 3, were analyzed for VOCs by EPA Method 8260C, SVOCs by EPA Method 8270C, TRPHs by the FL-PRO Method, and for8 RCRA metals by EPA Method 200.8. Chain of custody documentation accompanied the samples to the laboratory. The temporary well points were removed once groundwater samples were collected.

3.6 Lake Sediment and Lake Water Sampling and Analysis

On May 21, 2018, a representative of LandScience collected lake sediment and lake water samples from the lake located along the southern side of the Subject Property. The sediment sample was collected at a depth

of approximately twenty (20) feet below lake surface (bls) and the water samples were collected at the depths of nine (9) feet and eighteen (18) feet below the surface.

Lake sediment and lake water samples were collected and introduced into pre-cleaned sample containers, placed on ice, and transported to Jupiter Environmental Laboratories, Inc., for laboratory analysis. Lake sediment and lake water samples, LS-1, LW-1 (9'), and LW-1 (18') were analyzed for VOCs by EPA Method 8260C, SVOCs by EPA Method 8270C, TRPHs by the FL-PRO Method, and for 8 RCRA metals by EPA Method 6020/200.8.

4.0 PHASE II ASSESSMENT RESULTS

4.1 Soil Field Screening Results

The results of the soil screening for the soil samples collected from SB-1 through SB-10 were compared to the Florida Department of Environmental Protection (FDEP) "non-contaminated" criteria of less than ten (10) parts per million (ppm) as described in the FDEP's *Guidelines for Assessment and Source Removal of Petroleum Contaminated Soil* document, dated May 1998.

The results of the field screening indicated that the PID readings for the soil samples collected from soil borings SB-1 through SB-10 were below the FDEP clean soil criteria of 10 ppm. A summary of the PID screening results are provided in **Table 1**.

4.2 Soil/Sediment Analytical Results

The soil/sediment samples collected at all locations exhibited benzo(a)pyrene equivalents concentrations (e.g., carcinogenic PAHs) which exceeded the FDEP Direct Exposure Residential Soil Cleanup Target Level of 0.1 mg/Kg, but were below the FDEP Direct Exposure Commercial/Industrial Soil Cleanup Target Level of 0.7 mg/Kg as established by the FDEP in Chapter 62-777 of the F.A.C., Table II, *Soil Cleanup Target Levels (SCTLs)*.

In addition, soil samples, SB-2 (0-2') and SB-3 (0-2') exhibited TRPH concentrations which exceeded the Leachability threshold of 340 mg/Kg, but were below the FDEP Direct Exposure Residential SCTL of 460 mg/Kg. Soil sample, SB-6 (2'-4'), exhibited a TRPH concentration which exceeded the Leachability threshold, and the FDEP Direct Exposure Residential SCTL, but was below the FDEP Direct Exposure Commercial/Industrial SCTL of 2,700 mg/Kg.

Furthermore, soil sample SB-8 (2'-4') exhibited a methylene chloride concentration which slightly exceeded the Leachability threshold of 0.02 mg/Kg, but was below the FDEP Direct Exposure Residential SCTL of 17 mg/Kg.

The concentrations of the remaining constituents analyzed in soil/sediment samples, SB-1 (2'-4'), SB-2 (0'-2'), SB-3 (0'-2'), SB-4 (0'-2'), SB-5 (0'-2'), SB-6 (2'-4'), SB-7 (2'-4'), SB-8 (4'-6'), SB-9 (0'-2'), SB-10 (0'-2'), and LS-1, were either below the method detection limits, or the FDEP SCTLs. A copy of the laboratory data report including chain of custody documentation is included in **Appendix A**. The laboratory analytical results are summarized in **Tables 2** through **5**, and depicted in **Figures 3** through **6**.

4.3 Groundwater Analytical Results

Groundwater sample, GW-2, exhibited an arsenic concentration which exceeded the FDEP GCTL, but was below the FDEP NADC. The concentrations of the remaining constituents analyzed were either below the method detection limits, or the FDEP GCTLs.

The concentrations of the constituents analyzed in groundwater samples, GW-1 and GW-3, were either below the method detection limits, or the FDEP GCTLs. A copy of the laboratory data report and chain of custody record are included in **Appendix A**. The laboratory analytical results are summarized in **Tables 6** and **7**, and depicted in **Figures 7** through **9**.

4.4 Lake Water Analytical Results

Lake water sample, LW-1 (9'), exhibited a silver concentration which exceeded the FDEP Surface Water Cleanup Target Level of 0.07 ug/L. The concentrations of the remaining constituents analyzed in LW-1 (9')

were either below the method detection limits, or the established FDEP Surface Water Cleanup Target Levels.

The concentrations of the constituents analyzed in lake water sample, LW-1 (18'), were either below the method detection limits, or the FDEP Surface Water Cleanup Target Levels. A copy of the laboratory data report and chain of custody record are included in **Appendix A**. The laboratory analytical results are summarized in **Tables 8** and **9**, and depicted in **Figures 10** through **11**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

This section summarizes conclusions based on the information obtained during the Phase II ESA of the Chaves Lake Property located at Northwest 8th Avenue, in Hallandale Beach, Broward County, Florida.

It is our understanding that the City of Hallandale is considering converting the Subject Property into a public park. Therefore, the objective of the Phase II ESA was to evaluate the soil, groundwater, lake sediment, and lake water of the Subject Property to determine land use suitability.

5.1 Conclusions

Based on the information obtained during this assessment, the following conclusions are made:

1) The soil at the Subject Property from surface to a depth of approximately 6 feet below land surface, and the lake sediment in the area tested, appear to be impacted by arsenic and/or petroleum hydrocarbons at levels which will require further assessment and remediation in accordance with the FDEP as per Chapter 62-780 of the F.A.C.

2) The groundwater at the Subject Property, in the vicinity of GW-2, appears to be impacted by arsenic at a level which will require further assessment and remediation in accordance with the FDEP as per Chapter 62-780 of the F.A.C. However, it is worth noting that based on the lack of arsenic concentrations in groundwater samples, GW-1 and GW-3, it is possible that the elevated arsenic concentration in groundwater sample, GW-2, is the product of suspended sediments in the groundwater sample which may have lead to a false positives being reported. Confirmation of arsenic concentrations in the groundwater at this location may be warranted.

3) The lake water at the Subject Property does not appear to be impacted by the constituents analyzed (with the exception of the silver concentration detected in LW-1(9') which is considered to be inconclusive by LandScience).

4) Based on the laboratory analytical results, **it does not appear that the subsurface conditions at the Subject Property are suitable for the proposed land use (e.g., public park)**. At minimum, further assessment and remediation of the soil at the Subject Property will be necessary to meet the requirements of the proposed land use, as per Chapter 62-780 of the F.A.C.

6.0 REFERENCES

Publications:

USGS Topographic Quadrangle Map, scale 1:24,000, dated 1988.

Reports

Florida Department of Environmental Protection, December 2005, *Chapter 62 of the Florida Administrative Code (FAC 62) Part 777*

Florida Department of Environmental Protection, 1999, *'Guidelines for the Assessment and Source Removal of Petroleum Contaminated Soil'*

Florida Department of Environmental Protection, October 2000, *Petroleum Cleanup Preapproval Program, Standard Operating Procedures.*

7.0 LIMITATIONS OF STUDY

The assessment procedure was based on the client's agreement in a level of investigation considered to be prudent from a risk management philosophy and guided by common sense, professional judgment, and evaluation techniques being developed and used by governmental agencies for the investigation of properties subject to possible contamination. LandScience exercised the same degree of care and skill generally exercised by environmental professionals under similar circumstances and conditions. No other warranty is expressed or implied.

Observations and conclusions presented are not scientific certainties, but are solely professional opinions based upon the information available to us which may be incomplete or inaccurate. The services provided herein are in no way intended to be legal advice and should not be relied upon in any way for legal interpretations.

This study and report were prepared on the behalf of and exclusively for the City of Hallandale Beach, solely for their use and reliance in the environmental assessment of the Subject Property and cannot be relied upon by anyone else without the expressed written consent of LandScience. In the event this report and the findings herein, in whole or in part, are to be disseminated or conveyed to any other party or entity or used or relied on by any other party or entity, then the City of Hallandale Beach and LandScience will require an agreement on the part of said party or entity as to the provisions of the Limitation of Professional Liability and Limitation of Action found in the proposal agreement. Those provisions are as follows:

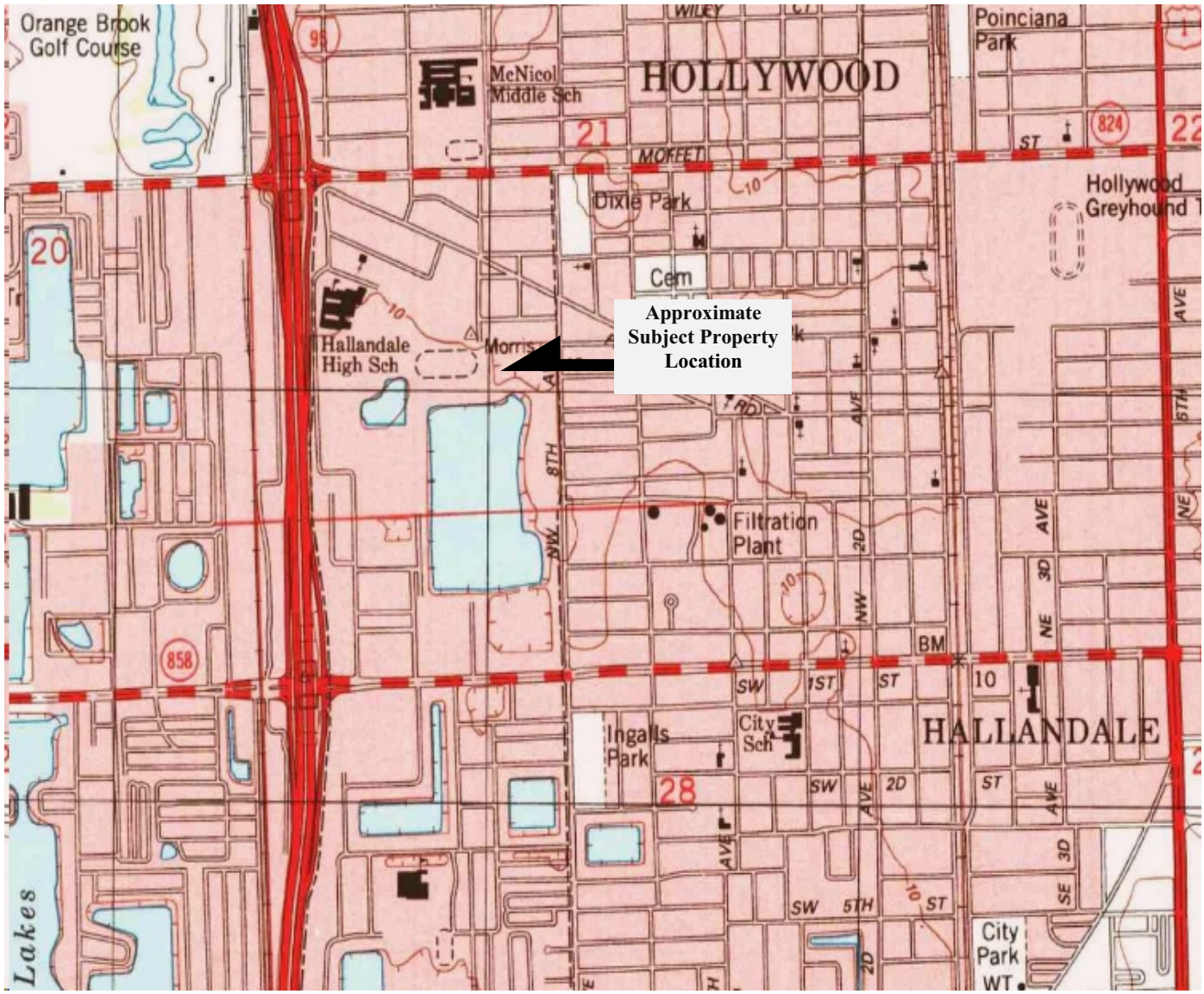
LIMITATION OF PROFESSIONAL LIABILITY and LIMITATION OF ACTION:

The Client, its successors, assigns and all persons or entities receiving and/or relying upon this report or any portion thereof, agree to limit any and all total liability for claims, for damages, cost of defense, or expenses to be asserted against LandScience as a result of its preparation of this report to a sum not to exceed an aggregate limit up to a maximum of $1,000,000 for a period of one year following project initiation. After one year the limits of all liability will not exceed the amount paid to LandScience for its services. This limitation shall not apply to the U.S. Small Business Administration.

FIGURES

N

Not to Scale



LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: MP

Date: 5/22/2018

Client(s): The City of Hallandale Beach

FIGURE 1

TOPOGRAPHIC MAP SHOWING THE APPROXIMATE LOCATION OF THE SUBJECT PROPERTY

Chaves Lake Property
Located at Northwest 8th Avenue
Hallandale Beach, Broward County, Florida

Legend

- Approximate Subject Property Boundary
- Soil Boring Location
- Temporary Well Point Location
- Lake Sediment Sample Location
- Lake Water Sample Location
- Metal Bin
- Debris Pile
- City Well
- Water

N

Scale 200 feet

LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: RF

Date: 06/01/18

Client(s): City of Hallandale Beach
Office of Capital Improvements

FIGURE 2

SITE PLAN SHOWING THE APPROXIMATE SOIL BORING AND TEMPORARY WELL POINT LOCATIONS

Chaves Lake Property
Located at Northwest 8th Avenue
Hallandale Beach, Broward County, Florida

Legend

Approximate Subject Property Boundary

SB-2 (0-2') Soil Boring or Lake Sediment ID

Soil Boring Location

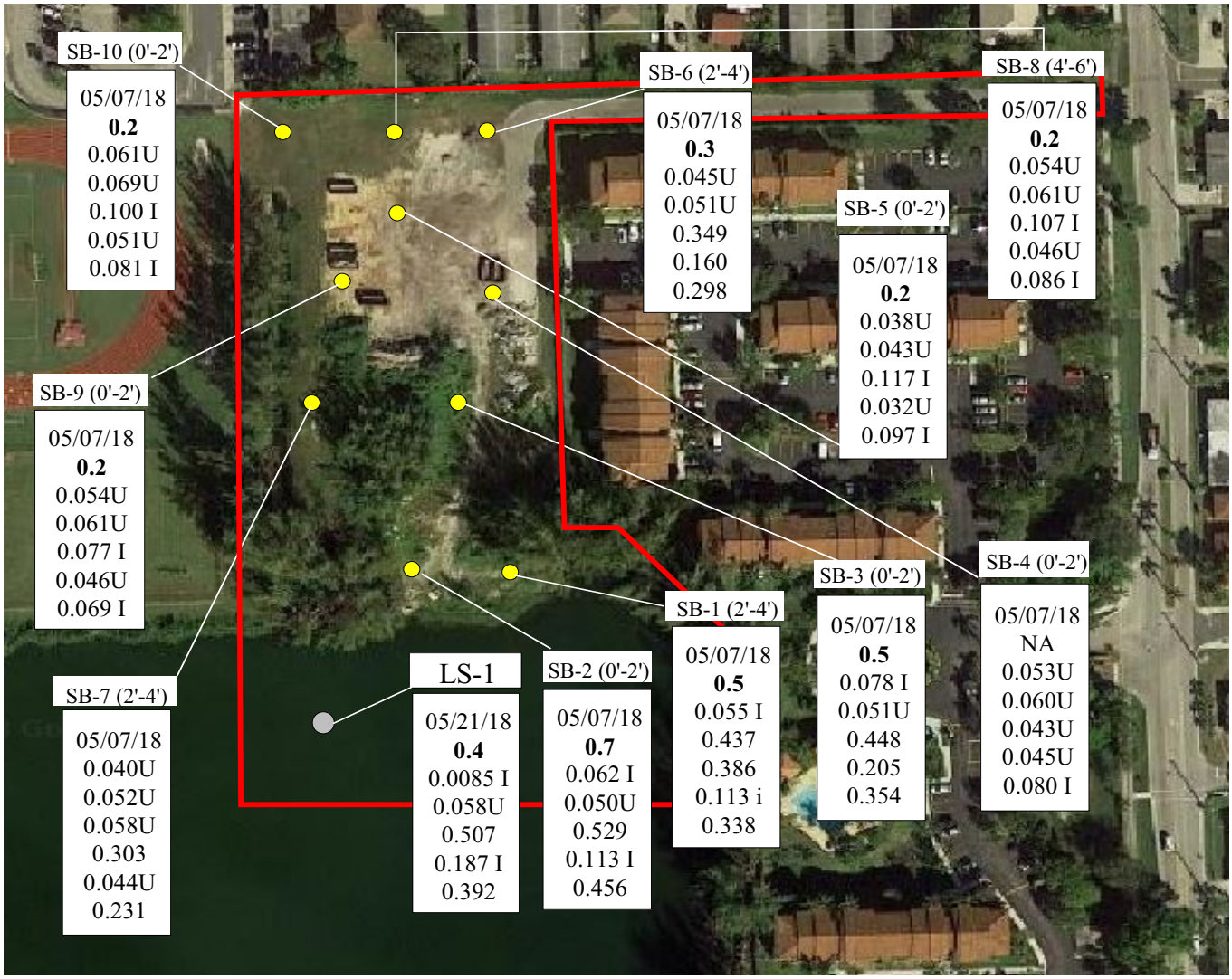
Lake Sediment Location

05/07/18	Date Sampled
0.040U	Benzo(a)pyrene Equivalent
0.053U	Carbazole
0.043U	Di-n-octyl Phthalate
0.043U	Fluoranthene
0.032U	Phenanthrene
0.053U	Pyrene

Concentrations in mg/Kg
U Denotes Below Method Detection Limits
Concentrations in Bold Exceed FDEP SCTL
NA: Not Analyzed NOTE: Not all constituents shown

N

Scale 200 feet



LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: RF

Date: 06/01/18

Client(s): City of Hallandale Beach
Office of Capital Improvements

FIGURE 3

SEMI- VOLATILE ORGANIC COMPOUND CONCENTRATIONS IN SOIL/SEDIMENT

Chaves Lake Property
Located at Northwest 8th Avenue
Hallandale Beach, Broward County, Florida

Legend

Approximate Subject Property Boundary

SB-2 (0-2') Soil Boring or Lake Sediment ID

Soil Boring Location

Lake Sediment Location

05/07/18	Date Sampled
0.095U	Acetone
0.250U	Carbon Disulfide
0.081U	Chlorobenzene
0.11U	Methylethyl Ketone
0.250U	Methylene Chloride

Concentrations in mg/Kg
U Denotes Below Method Detection Limits
Concentrations in Bold Exceed FDEP SCTL
NA: Not Analyzed NOTE: Not all constituents shown

N

Scale 200 feet

LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: RF

Date: 06/01/18

Client(s): City of Hallandale Beach
Office of Capital Improvements

FIGURE 4

VOLATILE ORGANIC COMPOUND CONCENTRATIONS IN SOIL/SEDIMENT

Chaves Lake Property
Located at Northwest 8th Avenue
Hallandale Beach, Broward County, Florida

Legend

Approximate Subject Property Boundary

SB-2 (0-2') Soil Boring or Lake Sediment ID

Soil Boring Location

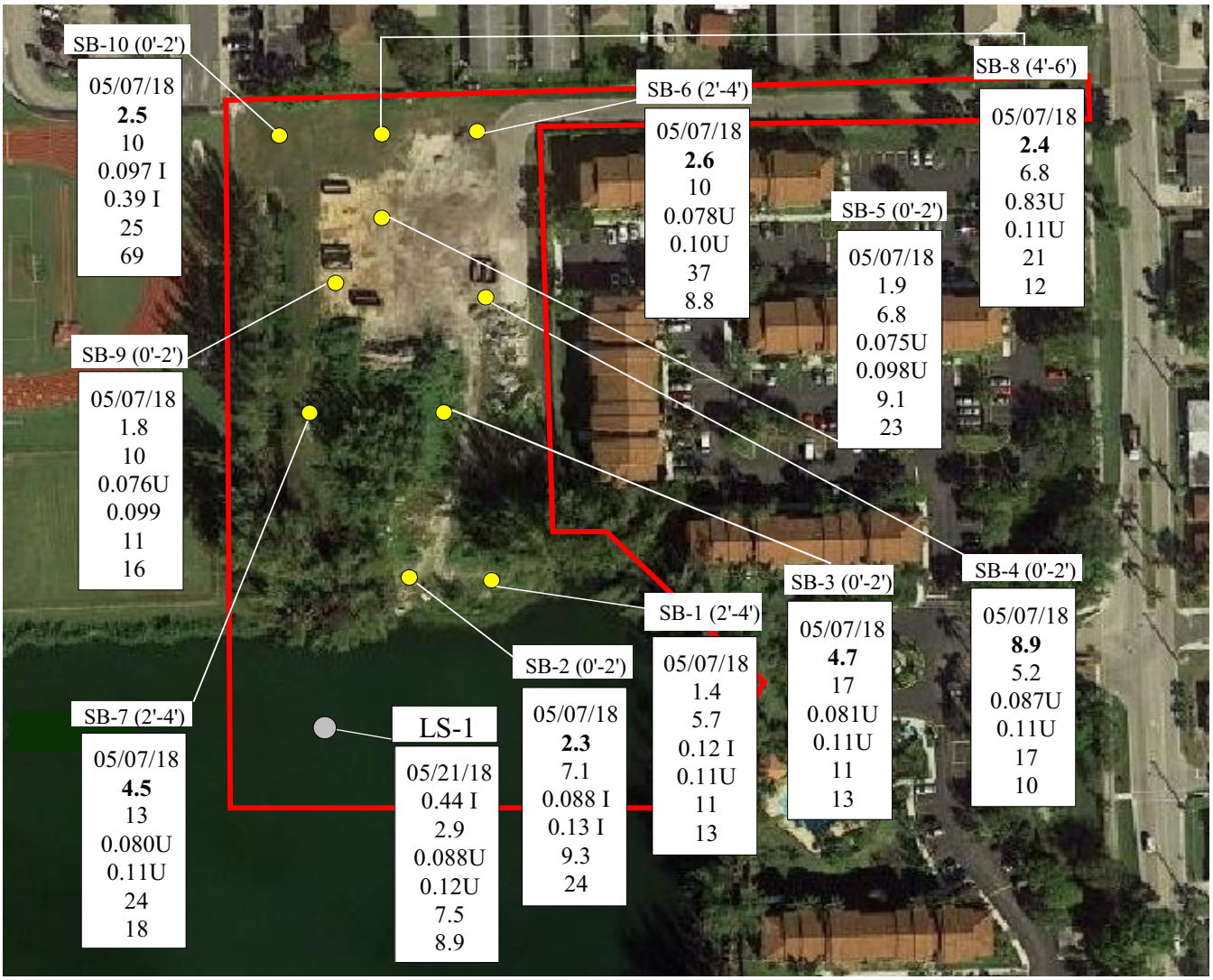
Lake Sediment Location

05/07/18	Date Sampled
0.095U	Total Arsenic
0.250U	Total Chromium
0.081U	Total Silver
0.11U	Total Cadmium
0.250U	Total Barium
0.090U	Total Lead

Concentrations in mg/Kg
U Denotes Below Method Detection Limits
Concentrations in Bold Exceed FDEP SCTL
NA: Not Analyzed

N

Scale 200 feet



LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: RF

Date: 06/01/18

Client(s): City of Hallandale Beach
Office of Capital Improvements

FIGURE 5

8 RCRA METAL CONCENTRATIONS IN SOIL/ SEDIMENT

Chaves Lake Property
Located at Northwest 8th Avenue
Hallandale Beach, Broward County, Florida

Legend

Approximate Subject Property Boundary

SB-2 (0-2') Soil Boring or Lake Sediment ID

Soil Boring Location

Lake Sediment Location

05/07/18	Date Sampled
19.0U	TRPHs

Concentrations in mg/Kg
U Denotes Below Method Detection Limits
Concentrations in Bold Exceed FDEP SCTL
NA: Not Analyzed

N

Scale 200 feet

LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: RF

Date: 06/01/18

Client(s): City of Hallandale Beach
Office of Capital Improvements

FIGURE 6

TOTAL RECOVERABLE PETROLEUM HYDROCARBON CONCENTRATIONS IN SOIL/ SEDIMENT

Chaves Lake Property

Located at Northwest 8th Avenue
Hallandale Beach, Broward County, Florida

Legend

Approximate Subject Property Boundary

GW 1 Temporary Well Point ID

Temporary Well Point Location

05/07/18	Date Sampled
0.589U	Carbazole
0.467U	Di-n-octyl Phthalate
0.561U	Fluoranthene
0.514U	Phenanthrene
0.589U	Pyrene

Concentrations in ug/L
U Denotes Below Method Detection Limits
Concentrations in Bold Exceed FDEP GCTL or NADC
NA: Not Analyzed NOTE: Not all constituents shown

N

Scale 200 feet

LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: RF

Date: 06/01/18

Client(s): City of Hallandale Beach
Office of Capital Improvements

FIGURE 7

SEMI-VOLATILE ORGANIC COMPOUND CONCENTRATIONS IN GROUNDWATER

Chaves Lake Property
Located at Northwest 8th Avenue Hallandale Beach, Broward County, Florida

Legend

Approximate Subject Property Boundary

GW 1 Temporary Well Point ID

Temporary Well Point Location

05/07/18	Date Sampled
0.510U	Acetone
0.400U	Carbon Disulfide
0.400U	Chlorobenzene
0.640U	Methylethyl Ketone
2.00U	Methylene Chloride

Concentrations in ug/L
U Denotes Below Method Detection Limits
Concentrations in Bold Exceed FDEP GCTL or NADC
NA: Not Analyzed NOTE: Not all constituents shown

N

Scale 200 feet

LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: RF

Date: 06/01/18

Client(s): City of Hallandale Beach
Office of Capital Improvements

FIGURE 8

VOLATILE ORGANIC COMPOUND CONCENTRATIONS IN GROUNDWATER

Chaves Lake Property
Located at Northwest 8th Avenue
Hallandale Beach, Broward County, Florida

Legend

Approximate Subject Property Boundary

GW 1 Temporary Well Point ID

Temporary Well Point Location

05/07/18	Date Sampled
0.65U	Total Arsenic
0.27U	Total Chromium
0.28U	Total Silver
0.28U	Total Cadmium
0.30U	Total Barium
0.12U	Total Lead

Concentrations in ug/L
U Denotes Below Method Detection Limits
Concentrations in Bold Exceed FDEP GCTL or NADC
NA: Not Analyzed

N

Scale 200 feet

LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: RF

Date: 06/01/18

Client(s): City of Hallandale Beach
Office of Capital Improvements

FIGURE 9

8 RCRA METAL CONCENTRATIONS IN GROUNDWATER

Chaves Lake Property
Located at Northwest 8th Avenue Hallandale Beach, Broward County, Florida

Legend

Approximate Subject Property Boundary

LW-1 (9') Lake Water ID and Depth

Lake Water Sample Location

05/21/18	Date Sampled
150U	TRPHs

Concentrations in ug/L
U Denotes Below Method Detection Limits
Concentrations in Bold Exceed FDEP FSWC or NADC
NA: Not Analyzed

N

Scale 200 feet

LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: RF

Date: 06/01/18

Client(s): City of Hallandale Beach
Office of Capital Improvements

FIGURE 10

TOTAL RECOVERABLE PETROLEUM HYDROCARBON CONCENTRATIONS IN LAKE SURFACE WATER

Chaves Lake Property
Located at Northwest 8th Avenue Hallandale Beach, Broward County, Florida

Legend

Approximate Subject Property Boundary

LW-1 (9') Lake Water ID and Depth

Lake Water Sample Location

05/21/18	Date Sampled
0.65U	Total Arsenic
0.27U	Total Chromium
0.28U	Total Silver
0.28U	Total Cadmium
0.30U	Total Barium
0.12U	Total Lead

Concentrations in ug/L
U Denotes Below Method Detection Limits
Concentrations in Bold Exceed FDEP FSWC or NADC
NA: Not Analyzed

N

Scale 200 feet

LANDSCIENCE
Miami, Florida

Project No.: 2186398

Drawn By: RF

Date: 06/01/18

Client(s): City of Hallandale Beach
Office of Capital Improvements

FIGURE 11

8 RCRA METAL CONCENTRATIONS IN LAKE SURFACE WATER

Chaves Lake Property
Located at Northwest 8th Avenue Hallandale Beach, Broward County, Florida

TABLES

Table 1: PID SOIL SCREENING SUMMARY

Project Name: Chaves Lake Property
Facility Address: Northwest 8th Avenue, Hallandale Beach, Florida

Sample			Total Organic Vapors (ppm)
Location	Depth	Date	
SB-1	0-2'	5/07/2018	0.1
	2'-4'		0.0
	4'-6'		0.0
SB-2	0-2'	5/07/2018	0.0
	2'-4'		0.0
	4'-6'		0.0
SB-3	0-2'	5/07/2018	0.6
	2'-4'		0.0
	4'-6'		0.5
SB-4	0-2'	5/07/2018	0.1
	2'-4'		0.0
	4'-6'		0.1
SB-5	0-2'	5/07/2018	0.8
	2'-4'		0.0
	4'-6'		0.0
SB-6	0-2'	5/07/2018	0.0
	2'-4'		0.0
	2'-4'		0.0
SB-7	0-2'	5/07/2018	0.0
	2'-4'		0.0
	4'-6'		0.0
SB-8	0-2'	5/07/2018	0.0
	2'-4'		0.0
	4'-6'		0.0
SB-9	0-2'	5/07/2018	0.0
	2'-4'		0.0
	4'-6'		0.0
SB-10	0-2'	5/07/2018	0.0
	2'-4'		0.0
	4'-6'		0.0

Legend:

Concentrations in Bold exceed the FDEP Clean Soil Criteria of 10ppm
NT = Not tested
* Saturated soil

TABLE 2: SOIL/SEDIMENT ANALYTICAL SUMMARY OF SEMI-VOLATILE ORGANIC COMPOUNDS AND TRPH

Project Name: Chaves Lake Property
Project Address: Northwest 8th Avenue, Hallandale Beach, FL

Sample		Benzo(a) Anthracene	Benzo(a) Pyrene	Benzo(b) Fluoranthene	Benzo(g,h,i) Perylene	Benzo(k) Fluoranthene	Carbazole	Chrysene	Di-n-octyl Phthalate	Dibenzo(a,h) Anthracence	Fluoranthene	Indeno(1,2,3-cd) Pyrene	Phenanthrene	Pyrene	TRPHs
Location	Date														
SB-1 (2'-4')	05/07/18	0.192	0.271	0.342	0.231	0.144	0.055 I	0.220	0.437	0.128 I	0.386	0.269	0.113 I	0.338	113
SB-2 (0-2')	05/07/18	0.274	0.430	0.621	0.370	0.237	0.062 I	0.388	0.050U	0.167	0.529	0.433	0.113 I	0.456	**355**
SB-3 (0-2')	05/07/18	0.225	0.273	0.334	0.230	0.129 I	0.078 I	0.212	0.051U	0.137 I	0.448	0.269	0.205	0.354	**414**
SB-4 (0-2')	05/07/18	0.077 I	0.040U	0.040U	0.055U	0.070U	0.053U	0.023U	0.060U	0.033U	0.043U	0.020U	0.045U	0.080 I	194
SB-5 (0-2')	05/07/18	0.087 I	0.143	0.154	0.126	0.065 I	0.038U	0.063 I	0.043U	0.024U	0.117 I	0.148	0.032U	0.097 I	86.4
SB-6 (2'-4')	05/07/18	0.192	0.229	0.273	0.173	0.114 I	0.045U	0.155	0.051U	0.028U	0.349	0.218	0.160	0.298	**751**
SB-7 (2'-4')	05/07/18	0.178	0.273	0.356	0.240	0.143 I	0.052U	0.186	0.058U	0.032U	0.303	0.291	0.044U	0.231	212
SB-8 (4'-6')	05/07/18	0.091 I	0.157 I	0.156 I	0.134 I	0.071U	0.054U	0.048 I	0.061U	0.034U	0.107 I	0.163 I	0.046U	0.086 I	**111**
SB-9 (0-2')	05/07/18	0.074 I	0.138 I	0.113 I	0.127 I	0.071U	0.054U	0.024U	0.061U	0.034U	0.077 I	0.153 I	0.046U	0.069 I	93.5
SB-10 (0-2')	05/07/18	0.087 I	0.150 I	0.126 I	0.133 I	0.080U	0.061U	0.027U	0.069U	0.038U	0.100 I	0.160 I	0.051U	0.081 I	113
LS-1	05/21/18	0.203 I	0.294	0.347	0.241	0.142 I	0.085 I	0.222 I	0.584U	0.047U	0.507	0.276	0.187 I	0.392	142
FDEP	**Leachability**	**0.8**	**8**	**2.4**	**32,000**	**24**	**0.2**	**77**	**480,000**	**0.7**	**1,200**	**6.6**	**250**	**880**	**340**
FDEP	**Direct Exposure Residential**	**#**	**0.1**	**#**	**2,500**	**#**	**49**	**#**	**1,700**	**#**	**3,200**	**#**	**2,200**	**2,400**	**460**
FDEP	**Direct Exposure Commercial**	**#**	**0.7**	**#**	**52,000**	**#**	**240**	**#**	**39,000**	**#**	**59,000**	**#**	**36,000**	**45,000**	**2,700**

Legend:
All concentrations are in mg/Kg.
U - Below Method Detection Limits.
I - Concentration between MDL and PQL.
- Site concentrations for carcinogenic polycyclic aromatic hydrocarbons must be converted to Benzo(a)pyrene equivalents before comparison with the appropriate direct exposure SCTL for Benzo(a)pyrene using the approach described in February 2005 'Final Technical Report: Development of Cleanup Target Levels (CTLs) for Chapter 62-777, F.A.C.'
Concentrations in bold exceed respective FDEP SCTL.

Note: Only constituents with concentrations above Method Detction Limits are shown on table.

TABLE 3: SOIL/SEDIMENT ANALYTICAL SUMMARY OF VOLATILE ORGANIC COMPOUNDS

Project Name: Chaves Lake Property
Project Address: Northwest 8th Avenue, Hallandale Beach, FL

Sample		Acetone	Carbon Disulfide	Chlorobenzene	Methylethyl Ketone (MEK)	Methylene Chloride
Location	**Date**					
SB-1 (2'-4')	05/07/18	0.033	0.00095U	0.00057U	0.0019U	0.0066U
SB-2 (0-2')	05/07/18	0.266	0.0013U	0.00076U	0.0026U	0.0089U
SB-3 (0-2')	05/07/18	0.444	0.0039 I	0.00088U	0.037	0.010U
SB-4 (0-2')	05/07/18	0.101	0.00095 I	0.00039U	0.023	0.0046U
SB-5 (0-2')	05/07/18	0.049	0.00065U	0.00039U	0.0013U	0.0045U
SB-6 (2'-4')	05/07/18	0.162	0.00070U	0.00042U	0.028	0.0049U
SB-7 (2'-4')	05/07/18	0.0031U	0.00072U	0.00043U	0.0015U	0.0050U
SB-8 (4'-6')	05/07/18	0.037	0.00079U	0.00047U	0.0016U	**0.030**
SB-9 (0-2')	05/07/18	0.0025U	0.00059U	0.00035U	0.0012U	0.0041U
SB-10 (0-2')	05/07/18	0.0030U	0.00068U	0.00041U	0.0014U	0.010
LS-1	05/21/18	0.0027U	0.00062U	0.00037U	0.0012U	0.0043U
FDEP	**Leachability**	**25**	**5.6**	**1.3**	**17**	**0.02**
FDEP	**Direct Exposure Residential**	**11,000**	**270**	**120**	**16,000**	**17**
FDEP	**Direct Exposure Commercial**	**68,000**	**1,500**	**650**	**110,000**	**26**

Legend:
All concentrations are in mg/Kg.
U - Below Method Detection Limits.
I - Concentration between MDL and PQL.
Concentrations in bold exceed respective FDEP SCTL.

Note: Only constituents with concentrations above Method Detction Limits are shown on table.

TABLE 4: SOIL/SEDIMENT ANALYTICAL SUMMARY OF 8 RCRA METALS

Project Name: **Chaves Lake Property**
Project Address: **Northwest 8th Avenue, Hallandale Beach, FL**

Sample		Arsenic	Chromium	Silver	Cadmium	Barium	Lead
Locations	**Date**						
SB-1 (2'-4')	05/07/18	1.4	5.7	0.12 I	0.11U	11	13
SB-2 (0-2')	05/07/18	**2.3**	7.1	0.088 I	0.13 I	9.3	24
SB-3 (0-2')	05/07/18	**4.7**	17	0.081U	0.11U	11	13
SB-4 (0-2')	05/07/18	**8.9**	5.2	0.087U	0.11U	17	10
SB-5 (0-2')	05/07/18	1.9	6.8	0.075U	0.098U	9.1	23
SB-6 (2'-4')	05/07/18	**2.6**	10	0.078U	0.10U	37	8.8
SB-7 (2'-4')	05/07/18	**4.5**	13	0.080U	0.11U	24	18
SB-8 (4'-6')	05/07/18	**2.4**	6.8	0.083U	0.11U	21	12
SB-9 (0-2')	05/07/18	1.8	10	0.076U	0.099U	11	16
SB-10 (0-2')	05/07/18	**2.5**	10	0.097 I	0.39 I	25	69
LS-1	05/21/18	0.44 I	2.9	0.088U	0.12U	7.5	8.9
FDEP	**Leachability**	***	**38**	**17**	**7.5**	**1,600**	***
FDEP	**Direct Exposure Residential**	**2.1**	**210**	**410**	**82**	**120****	**400**
FDEP	**Direct Exposure Commercial**	**12**	**470**	**8,200**	**1,700**	**130,000**	**1,400**

Legend:
All concentrations are in mg/Kg.
U - Below Method Detection Limits.
I - Concentration between MDL and PQL.
Concentrations in bold exceed respective FDEP SCTL.
** - Direct exposure value based on acute toxicity considerations.
*** - Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

Note: Only constituents with concentrations above Method Detction Limits are shown on table.

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Chaves Lake Property
Location: Northwest 8th Avenue, Hallandale Beach
Facility/Site ID No.:

Soil Sample No. LS-1
Sample Date 05/21/18
Location:
Depth (ft): 22 Feet - Depth of Water

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	0.294	1.0	0.2940
Benzo(a)anthracene	0.203	0.1	0.0203
Benzo(b)fluoranthene	0.347	0.1	0.0347
Benzo(k)fluoranthene	0.142	0.01	0.0014
Chrysene	0.222	0.001	0.0002
Dibenzo(a,h)anthracene	0.024	1.0	0.0240
Indeno(1,2,3-cd)pyrene	0.276	0.1	0.0276

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

Total Benzo(a)pyrene Equivalents = 0.4

The concentration shown EXCEEDS 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	Dibenz(a,h)anthracene	reported (estimated) value
? MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Chaves Lake Property
Location: Northwest 8th Avenue, Hallandale Beach
Facility/Site ID No.:

Soil Sample No. SB-1
Sample Date 05/10/18
Location:
Depth (ft): 2' - 4'

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	0.271	1.0	0.2710
Benzo(a)anthracene	0.192	0.1	0.0192
Benzo(b)fluoranthene	0.342	0.1	0.0342
Benzo(k)fluoranthene	0.144	0.01	0.0014
Chrysene	0.220	0.001	0.0002
Dibenzo(a,h)anthracene	0.128	1.0	0.1280
Indeno(1,2,3-cd)pyrene	0.269	0.1	0.0269

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

Total Benzo(a)pyrene Equivalents = 0.5

The concentration shown EXCEEDS 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	Dibenz(a,h)anthracene	reported (estimated) value
? MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Chaves Lake Property
Location: Northwest 8th Avenue, Hallandale Beach
Facility/Site ID No.:

Soil Sample No. SB-2
Sample Date 05/10/18
Location:
Depth (ft): 0' - 2'

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	0.430	1.0	0.4300
Benzo(a)anthracene	0.274	0.1	0.0274
Benzo(b)fluoranthene	0.621	0.1	0.0621
Benzo(k)fluoranthene	0.237	0.01	0.0024
Chrysene	0.388	0.001	0.0004
Dibenzo(a,h)anthracene	0.167	1.0	0.1670
Indeno(1,2,3-cd)pyrene	0.433	0.1	0.0433

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

Total Benzo(a)pyrene Equivalents = 0.7

The concentration shown EXCEEDS 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	Dibenz(a,h)anthracene	reported (estimated) value
? MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Chaves Lake Property
Location: Northwest 8th Avenue, Hallandale Beach
Facility/Site ID No.:

Soil Sample No. SB-3
Sample Date 05/07/18
Location:
Depth (ft): 0' - 2'

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	0.273	1.0	0.2730
Benzo(a)anthracene	0.225	0.1	0.0225
Benzo(b)fluoranthene	0.334	0.1	0.0334
Benzo(k)fluoranthene	0.129	0.01	0.0013
Chrysene	0.212	0.001	0.0002
Dibenzo(a,h)anthracene	0.137	1.0	0.1370
Indeno(1,2,3-cd)pyrene	0.269	0.1	0.0269

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

Total Benzo(a)pyrene Equivalents = 0.5

The concentration shown EXCEEDS 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	Dibenz(a,h)anthracene	reported (estimated) value
? MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Chaves Lake Property
Location: Northwest 8th Avenue, Hallandale Beach
Facility/Site ID No.:

Soil Sample No. SB-5
Sample Date 05/07/18
Location:
Depth (ft): 0' - 2'

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	0.143	1.0	0.1430
Benzo(a)anthracene	0.087	0.1	0.0087
Benzo(b)fluoranthene	0.154	0.1	0.0154
Benzo(k)fluoranthene	0.065	0.01	0.0007
Chrysene	0.063	0.001	0.0001
Dibenzo(a,h)anthracene	0.024	1.0	0.0240
Indeno(1,2,3-cd)pyrene	0.148	0.1	0.0148

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

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS 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	Dibenz(a,h)anthracene	reported (estimated) value
? MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Chaves Lake Property
Location: Northwest 8th Avenue, Hallandale Beach
Facility/Site ID No.:

Soil Sample No. SB-6
Sample Date 05/07/18
Location:
Depth (ft): 2' - 4'

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	0.229	1.0	0.2290
Benzo(a)anthracene	0.192	0.1	0.0192
Benzo(b)fluoranthene	0.273	0.1	0.0273
Benzo(k)fluoranthene	0.114	0.01	0.0011
Chrysene	0.155	0.001	0.0002
Dibenzo(a,h)anthracene	0.028	1.0	0.0280
Indeno(1,2,3-cd)pyrene	0.218	0.1	0.0218

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

Total Benzo(a)pyrene Equivalents = 0.3

The concentration shown EXCEEDS 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	Dibenz(a,h)anthracene	reported (estimated) value
? MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Chaves Lake Property
Location: Northwest 8th Avenue, Hallandale Beach
Facility/Site ID No.:

Soil Sample No. SB-7
Sample Date 05/07/18
Location:
Depth (ft): 2' - 4'

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	0.273	1.0	0.2730
Benzo(a)anthracene	0.178	0.1	0.0178
Benzo(b)fluoranthene	0.356	0.1	0.0356
Benzo(k)fluoranthene	0.143	0.01	0.0014
Chrysene	0.186	0.001	0.0002
Dibenzo(a,h)anthracene	0.032	1.0	0.0320
Indeno(1,2,3-cd)pyrene	0.291	0.1	0.0291

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

Total Benzo(a)pyrene Equivalents = 0.4

The concentration shown EXCEEDS 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	Dibenz(a,h)anthracene	reported (estimated) value
? MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Chaves Lake Property
Location: Northwest 8th Avenue, Hallandale Beach
Facility/Site ID No.:

Soil Sample No. SB-8
Sample Date 05/07/18
Location:
Depth (ft): 4' - 6'

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	0.157	1.0	0.1570
Benzo(a)anthracene	0.091	0.1	0.0091
Benzo(b)fluoranthene	0.156	0.1	0.0156
Benzo(k)fluoranthene	0.071	0.01	0.0007
Chrysene	0.048	0.001	0.0000
Dibenzo(a,h)anthracene	0.034	1.0	0.0340
Indeno(1,2,3-cd)pyrene	0.163	0.1	0.0163

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

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS 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	Dibenz(a,h)anthracene	reported (estimated) value
? MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Chaves Lake Property
Location: Northwest 8th Avenue, Hallandale Beach
Facility/Site ID No.:

Soil Sample No. SB-9
Sample Date 05/07/18
Location:
Depth (ft): 0' - 2'

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	0.138	1.0	0.1380
Benzo(a)anthracene	0.074	0.1	0.0074
Benzo(b)fluoranthene	0.113	0.1	0.0113
Benzo(k)fluoranthene	0.071	0.01	0.0007
Chrysene	0.024	0.001	0.0000
Dibenzo(a,h)anthracene	0.034	1.0	0.0340
Indeno(1,2,3-cd)pyrene	0.153	0.1	0.0153

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

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS 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	Dibenz(a,h)anthracene	reported (estimated) value
? MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Chaves Lake Property
Location: Northwest 8th Avenue, Hallandale Beach
Facility/Site ID No.:

Soil Sample No. SB-10
Sample Date 05/07/18
Location:
Depth (ft): 0' - 2'

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	0.150	1.0	0.1500
Benzo(a)anthracene	0.087	0.1	0.0087
Benzo(b)fluoranthene	0.126	0.1	0.0126
Benzo(k)fluoranthene	0.080	0.01	0.0008
Chrysene	0.027	0.001	0.0000
Dibenzo(a,h)anthracene	0.038	1.0	0.0380
Indeno(1,2,3-cd)pyrene	0.160	0.1	0.0160

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

Total Benzo(a)pyrene Equivalents = 0.2

The concentration shown EXCEEDS 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	Dibenz(a,h)anthracene	reported (estimated) value
? MDL but < PQL	PQL	M	1/2 reported value

TABLE 6: GROUNDWATER ANALYTICAL SUMMARY OF SEMI-VOLATILE ORGANIC COMPOUNDS AND TRPH

Project Name: Chaves Lake Property
Project Address: Northwest 8th Avenue, Hallandale Beach, FL

Sample		Chlorobenzene	TRPH
Location	**Date**		
GW 1	05/07/18	0.400U	0.150U
GW 2	05/07/18	0.400U	615
GW 3	05/07/18	0.470 I	528
FDEP	**GCTL**	**100**	**5,000**
FDEP	**NADC**	**1,000**	**50,000**

Legend:
All concentrations are in ug/L.
U - Below Detection Limits.
I - Concentration between MDL and PQL.
GCTL - Groundwater Cleanup Target Level as per Chapter 62-777, F.A.C.
NADC - Natural Attenuation Default Concentration as per Chapter 62-777, F.A.C.
Concentrations in bold exceed the FDEP GCTLs or NADCs.

Note: Only constituents with concentrations above Method Detction Limits are shown on table.

TABLE 7: GROUNDWATER ANALYTICAL SUMMARY OF 8 RCRA METALS

Project Name: Chaves Lake Property
Project Address: Northwest 8th Avenue, Hallandale Beach, FL

Sample		Total	Total	Total	Total	Total	Total
Location	**Date**	**Arsenic**	**Chromium**	**Silver**	**Cadmium**	**Barium**	**Lead**
GW 1	05/07/18	0.65U	1.9 I	0.28U	0.28U	42	0.12U
GW 2	05/07/18	**40**	3.8	0.28U	0.28U	89	0.12U
GW 3	05/07/18	0.79 I	3.5	0.28U	0.28U	1200	6.2
FDEP	**GCTL**	**10**	**100**	**100**	**5**	**2,000**	**15**
FDEP	**NADC**	**100**	**1,000**	**1,000**	**50**	**20,000**	**150**

Legend:
All concentrations are in ug/L.
U - Below Detection Limits.
I - Concentration between MDL and PQL.
GCTL - Groundwater Cleanup Target Level as per Chapter 62-777, F.A.C.
NADC - Natural Attenuation Default Concentration as per Chapter 62-777, F.A.C.
Concentrations in bold exceed the FDEP GCTLs or NADCs.

Note: Only constituents with concentrations above Method Detction Limits are shown on table.

TABLE 8: LAKE WATER ANALYTICAL SUMMARY OF SEMI-VOLATILE ORGANIC COMPOUND AND TRPH

Project Name: Chaves Lake Property
Project Address: Northwest 8th Avenue, Hallandale Beach, FL

Sample		Chlorobenzene	TRPH
Location	**Date**		
LW-1 (9')	05/21/18	0.400U	330
LW-1 (18')	05/21/18	0.400U	259 I
FDEP	**FSWC**	**17**	**5,000**

Legend:
All concentrations are in ug/L.
U - Below Detection Limits.
I - Concentration between MDL and PQL.
FSWC - Freshwater Surface Water Cleanup Target Level as per Chapter 62-777, F.A.C.
NADC - Natural Attenuation Default Concentration as per Chapter 62-777, F.A.C.
Concentrations in bold exceed the FDEP FSWCs or NADCs.

Note: Only constituents with concentrations above Method Detction Limits are shown on table.

TABLE 9: LAKE WATER ANALYTICAL SUMMARY OF 8 RCRA METALS

Project Name: Chaves Lake Property

Project Address: Northwest 8th Avenue, Hallandale Beach, FL

Sample		Total	Total	Total	Total	Total	Total
Location	**Date**	**Arsenic**	**Chromium**	**Silver**	**Cadmium**	**Barium**	**Lead**
LW-1 (9')	05/21/18	0.65U	0.27U	**0.30 I**	0.28U	14	0.12U
LW-1 (18')	05/21/18	0.65U	0.27U	0.28U	0.28U	14	0.12U
FDEP	**FSWC**	**50**	**	**0.07**	**	**NA**	**

Legend:
All concentrations are in ug/L.
NA = Not Applicable
U - Below Detection Limits.
I - Concentration between MDL and PQL.
FSWC - Freshwater Surface Water Cleanup Target Level as per Chapter 62-777, F.A.C.
** - Direct exposure value based on acute toxicity considerations.
*** - Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

Concentrations in bold exceed the FDEP FSWCs.

APPENDICES

APPENDIX A

Soil Boring Logs

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: SB-1	DATE: 05/07/18
SITE NAME: Chaves Lake Property		SITE LOCATION: Northwest 8th Avenue, Hallandale Beach	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	0.1 ppm.	Dark top soil and dark grey and tan silty sand	
(2' – 4')	0.0ppm	Dark grey and tan silty sand	
(4' – 6')	0.0ppm	Dark grey and tan silty sand	
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): 5.5
SOIL SAMPLING METHODOLOGY: HA/ 2-foot SS/ 4-foot Shelby Tube
OVA CALIBRATIONS: zeroed/span gas/ambient reading 0 ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: SB-2	DATE: 05/07/18
SITE NAME: Chaves lake Property		SITE LOCATION: Northwest 8th Avenue, Hallandale Beach	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	0.0 ppm	Dark top soil and dark grey and tan silty sand	
(2' – 4')	0.0 ppm	Dark grey and tan silty sand	
(4' – 6')	0.0 ppm	Dark grey and tan silty sand	
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): 6
SOIL SAMPLING METHODOLOGY: HA/(2-foot SS)/4-foot Shelby Tube
OVA CALIBRATIONS: (zeroed)/span gas/ambient reading 0 ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: SB-3	DATE: 05/07/18
SITE NAME: Chaves Lake Property		SITE LOCATION: Northwest 8th Avenue	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	0.6 ppm	Dark top soil, a two-inch layer of concrete debris fill, and dark grey silty sand	
(2' – 4')	0.0ppm	Silty sand with clayey sand	
(4' – 6')	0.5ppm	Silty sand with clayey sand	
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): 6
SOIL SAMPLING METHODOLOGY: HA/2-foot SS/ 4-foot Shelby Tube
OVA CALIBRATIONS: zeroed/span gas/ambient reading 0 ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: SB-4	DATE: 05/07/18
SITE NAME: Chaves Lake Property		SITE LOCATION: Northwest 8th Avenue, Hallandale Beach	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	0.1 ppm	Dark top soil, a two inch layer of concrete debris fill, and dark grey clay	
(2' – 4')	0.0ppm	Tan clay, a four inch layer of concrete debris fill, and tan sand	
(4' – 6')	0.1ppm	Sand with dark tan clay	
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): 6
SOIL SAMPLING METHODOLOGY: HA/2-foot SS/4-foot Shelby Tube
OVA CALIBRATIONS: zeroed/span gas/ambient reading 0 ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: SB-5	DATE: 051071 18
SITE NAME: Chaves Lake Property		SITE LOCATION: Northwest 8th Avenue, Hallandale Beach	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	0.8 ppm	Dark top soil, orange clay, and dark brown silty sand.	
(2' – 4')	0.0 ppm	Dark tan and grey clay, 2 inch layer of concrete debris fill, and dark silty sand.	
(4' – 6')	0.0 ppm	Silty sand with some dark grey clay.	
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): 6
SOIL SAMPLING METHODOLOGY: HA/(2-foot SS)/4-foot Shelby Tube
OVA CALIBRATIONS: (zeroed)/span gas/ambient reading 0 ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: SB-6	DATE: 05/07/18
SITE NAME: Chaves Lake Property		SITE LOCATION: Northwest 8th Avenue, Hallandale Beach	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	0.0 ppm	Dark top soil, a two-inch layer of concrete debris fill, and clayey sand.	
(2' – 4')	0.0 ppm	Clayey sand with tan and black clay.	
(4' – 6')	0.0 ppm	Silty sand and a two-inch layer of concrete debris fill.	
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): 6
SOIL SAMPLING METHODOLOGY: HA/2-foot SS/4-foot Shelby Tube
OVA CALIBRATIONS: zeroed/span gas/ambient reading 0 ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: SB-7	DATE: 05/07/18
SITE NAME: Chaves Lake Property		SITE LOCATION: Northwest 8th Avenue, Hallandale Beach	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	0.0 ppm	Dark top soil, white and tan silty sand, and clayey sand	
(2' – 4')	0.0 ppm	White and tan silty sand	
(4' – 6')	0.0 ppm	White and tan silty sand	
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): 6
SOIL SAMPLING METHODOLOGY: HA/(2-foot SS)/4-foot Shelby Tube
OVA CALIBRATIONS: (zeroed)/span gas/ambient reading 0 ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: SB-8	DATE: 05/07/18
SITE NAME: Chaves Lake Property		SITE LOCATION: Northwest 8th Avenue, Hallandale Beach	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	0.0ppm	Dark top soil, white and tan silty sand, and tan clay	
(2' – 4')	0.0ppm	Tan clay with silty sand	
(4' – 6')	0.0ppm	White and tan silty sand	
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): 6
SOIL SAMPLING METHODOLOGY: HA/2-foot SS/4-foot Shelby Tube
OVA CALIBRATIONS: zeroed/span gas/ambient reading 0 ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: SB-9	DATE: 05/07/18
SITE NAME: Chaves Lake Property		SITE LOCATION: Northwest 8th Avenue, Hallandale Beach	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	0.0ppm	Dark top soil, dark brown silty sand, and orange clay	
(2' – 4')	0.0ppm	Orange clay, light beige clayey silt, and beige clay	
(4' – 6')	0.0ppm	Light tan to beige clayey silt and silty sand	
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): 6
SOIL SAMPLING METHODOLOGY: HA/2-foot SS/4-foot Shelby Tube
OVA CALIBRATIONS: zeroed/span gas/ambient reading 0 ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: SB-10	DATE: 051071 18
SITE NAME: Chaves Lake Property		SITE LOCATION: Northwest 8th Avenue, Hallandale Beach	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	0.0 ppm	Dark top soil, dark brown silty sand, and orange clay	
(2' – 4')	0.0 ppm	Orange clay, light beige clayey silt, and beige clay	
(4' – 6')	0.0 ppm	Light tan to beige clayey silt and silty sand	
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): 6
SOIL SAMPLING METHODOLOGY: HA/2-foot SS/4-foot Shelby Tube
OVA CALIBRATIONS: zeroed/span gas/ambient reading 0 ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

FLORIDA

Petroleum or Petroleum Products
Soil Sampling Log

FDEP FACILITY NO.:		SOIL BORING NO.: LS-1	DATE: 05/22/18
SITE NAME: Chaves Lake Property		SITE LOCATION: Northwest 8th Avenue, Hallandale Beach	
INTERVAL:	OVA READING(ppm): Total/Filtered	LITHOLOGY DESCRIPTION:	
(0 – 2')	N/A saturated	Dark looking silt with visual evidence by Land Science representative of the typical appearance seen with sediment contaminated with metals.	
(2' – 4')			
(4' – 6')			
(6' – 8')			
(8' – 10')			
(10' – 12')			
(12' – 14')			
(14' – 16')			
(16' – 18')			
(18' – 20')			

DEPTH TO WATER (feet below land surface): Depth to bottom: 20'
SOIL SAMPLING METHODOLOGY: (HA) 2-foot SS/ 4-foot Shelby Tube
OVA CALIBRATIONS: zeroed/span gas/ambient reading_____ppm
FGQS: Fine grain quartz sand; LS: Limestone; SS: Sandstone; LR Fill: Limerock fill material
Soil Sample _____ collected for laboratory analysis via __8021A, __8021B, __8310, __FL-PRO, __Pre-Burn
NOTES:

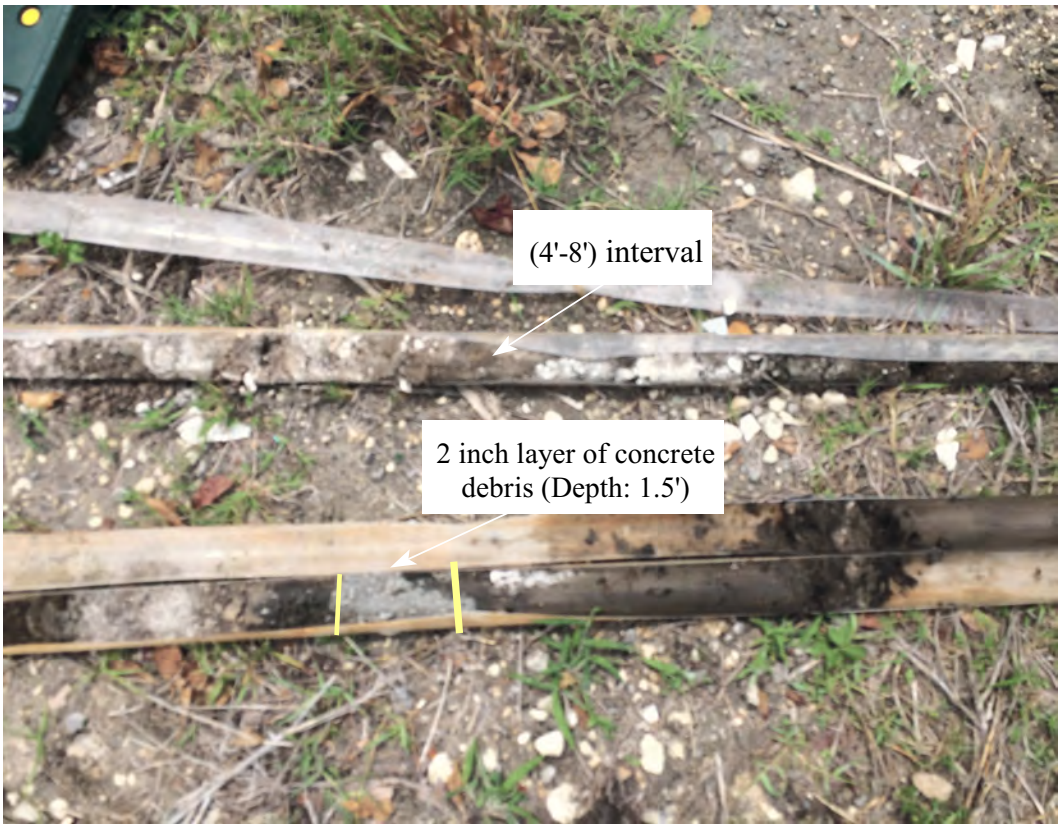
Appendix B

Photographic Documentation

Soil Boring No. 1 (0-4') - Dark top soil with grey and white silty sand.

Soil Boring No. 1 (4'-8') - Dark grey and tan silty sand with light grey sand.

Soil Boring No. 2 (0-4') - Dark top soil with grey and tan silty sand.

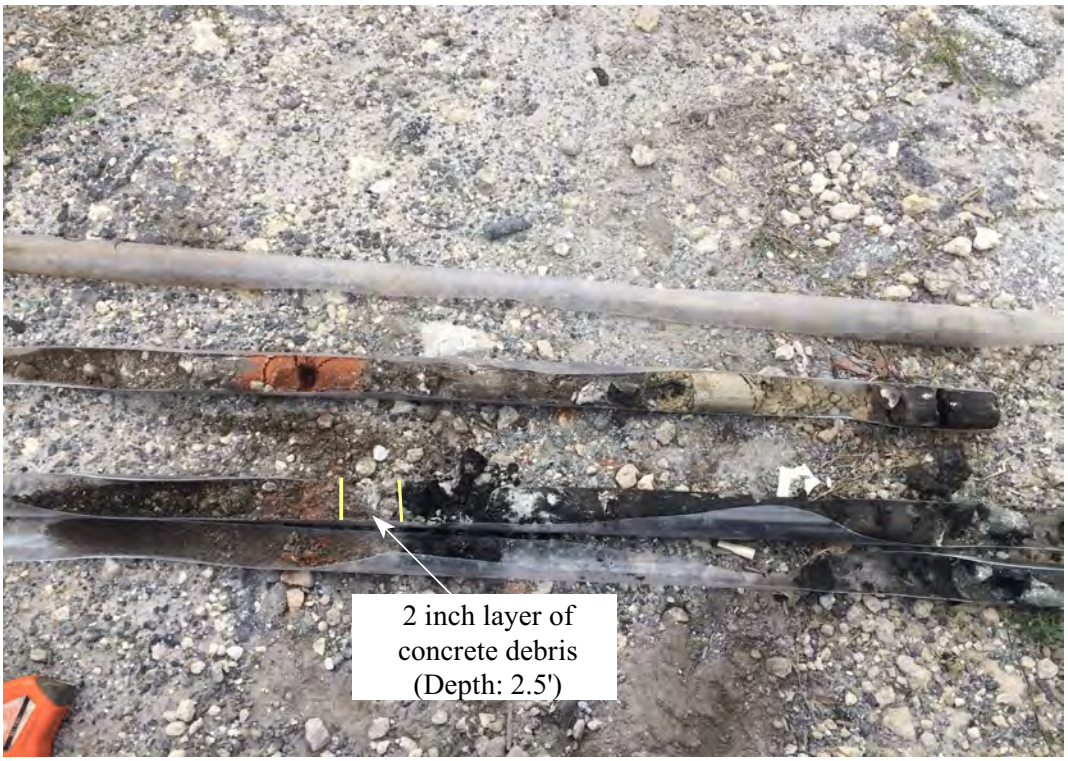


Soil Boring No. 3 (0-8') - Dark top soil, a two inch layer of concrete debris, clayey sand, and dark grey silty sand.

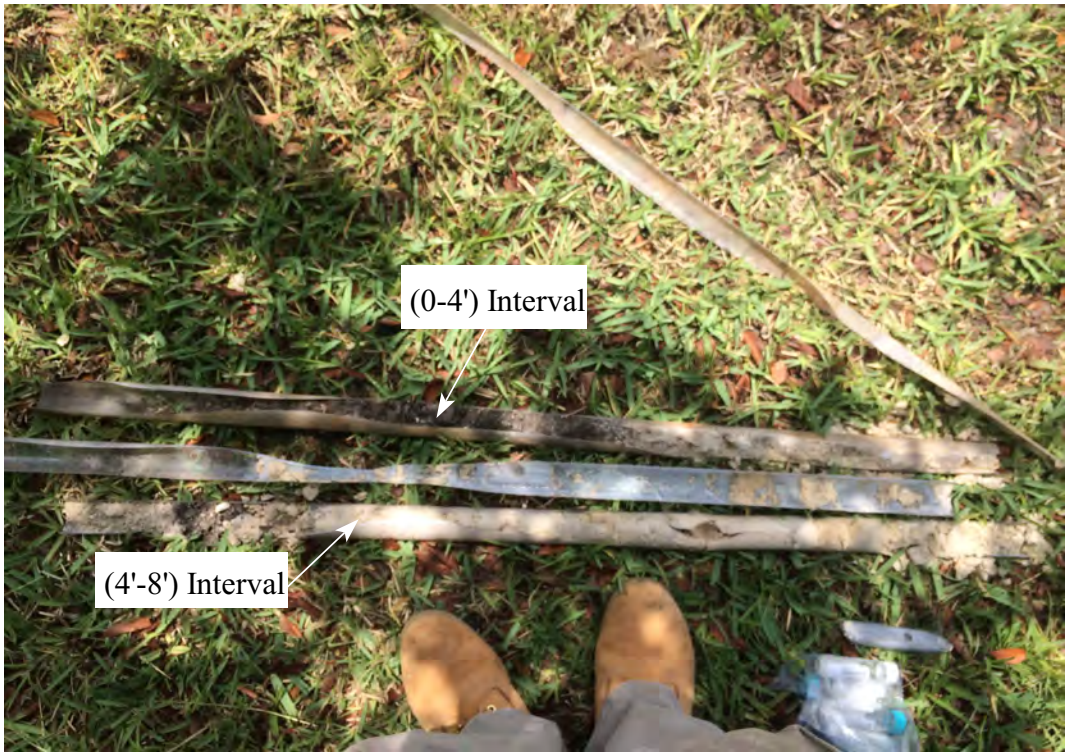
Soil Boring No. 4 (0-4') - Dark top soil, a two inch layer of concrete debris, and dark grey and black clay.

Soil Boring No. 4 (4'-8') - Dark clayey sand, a four inch layer of concrete, with dark and tan clayey sand.

Soil Boring No. 5 (0'-4') - Dark top soil, orange clay, dark silty sand, and tan clay.



Soil Boring No. 6 (0-4') - Dark clayey sand, a two inch layer of concrete debris, with dark and grey clayey sand.



Soil Boring No. 7 (0-8') - Dark top soil with white and tan silty sand.

Soil Boring No. 8 (0-4‘) - Dark top soil, white and tan silty sand, with tan clay.

Soil Boring No. 9 (0-8') - Orange clay light tan to beige clayey silt. Soil boring No. 10 was identical to this collection from Soil Boring No. 9.

Appendix C

Laboratory Analytical Reports and Chain of Custody Records for Soil and Groundwater Samples Collected on May 7, 2018

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

May 24, 2018

Corey Knuckles
LandScience, Inc.
12570 NE 7th Ave.
Miami, FL 33161

RE:	LOG#	1856675
	Project ID:	PL2 2186398
	COC#	1856675

Dear Corey Knuckles:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, May 08, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

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

Sincerely,

Rebecca Lourido

Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE ANALYTE COUNT

Workorder: 1856675

Project ID: PL2 2186398

Lab ID	Sample ID	Method	Analytes Reported
1856675001	SB-1 - 2'-4'	EPA 6020	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1
1856675002	GW-1	EPA 200.8 (Total)	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
1856675003	SB-2 - 0'-2'	EPA 6020	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1
1856675004	SB 3 - 0'-2'	EPA 6020	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1
1856675005	GW 2	EPA 200.8 (Total)	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
1856675006	SB-4 - 0'-2'	EPA 6020	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1
1856675007	SB-5 - 0'-2'	EPA 6020	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1
1856675008	SB-6 - 2'-4'	EPA 6020	8

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE ANALYTE COUNT

Workorder: 1856675

Project ID: PL2 2186398

Lab ID	Sample ID	Method	Analytes Reported
1856675008	SB-6 - 2'-4'	EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1
1856675009	SB-7 - 2'-4'	EPA 6020	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1
1856675010	SB-8 - 4'-6'	EPA 6020	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1
1856675011	SB-9 - 0'-2'	EPA 6020	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1
1856675012	SB-10 - 0'-2'	EPA 6020	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1
1856675013	GW 3	EPA 200.8 (Total)	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE SUMMARY

Workorder: 1856675

Project ID: PL2 2186398

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1856675001	SB-1 - 2'-4'	Soil/Solid	5/7/2018 10:45	5/8/2018 17:20
1856675002	GW-1	Aqueous Liquid	5/7/2018 10:55	5/8/2018 17:20
1856675003	SB-2 - 0'-2'	Soil/Solid	5/7/2018 11:15	5/8/2018 17:20
1856675004	SB 3 - 0'-2'	Soil/Solid	5/7/2018 11:40	5/8/2018 17:20
1856675005	GW 2	Aqueous Liquid	5/7/2018 12:00	5/8/2018 17:20
1856675006	SB-4 - 0'-2'	Soil/Solid	5/7/2018 12:15	5/8/2018 17:20
1856675007	SB-5 - 0'-2'	Soil/Solid	5/7/2018 12:35	5/8/2018 17:20
1856675008	SB-6 - 2'-4'	Soil/Solid	5/7/2018 12:45	5/8/2018 17:20
1856675009	SB-7 - 2'-4'	Soil/Solid	5/7/2018 13:10	5/8/2018 17:20
1856675010	SB-8 - 4'-6'	Soil/Solid	5/7/2018 13:30	5/8/2018 17:20
1856675011	SB-9 - 0'-2'	Soil/Solid	5/7/2018 14:00	5/8/2018 17:20
1856675012	SB-10 - 0'-2'	Soil/Solid	5/7/2018 14:30	5/8/2018 17:20
1856675013	GW 3	Aqueous Liquid	5/7/2018 14:50	5/8/2018 17:20

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID:	**1856675001**	Date Received:	5/8/2018 17:20	Matrix:	Soil/Solid
Sample ID:	**SB-1 - 2'-4'**	Date Collected:	5/7/2018 10:45		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	98	%	60-135		1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Toluene d8 (S)	99	%	60-135		1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
4-Bromofluorobenzene (S)	103	%	60-135		1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0026	0.00079	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,1,1-Trichloroethane	U	mg/Kg	0.0026	0.00073	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0026	0.00063	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,1,2-Trichloroethane	U	mg/Kg	0.0026	0.00067	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,1-Dichloroethane	U	mg/Kg	0.0026	0.0010	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,1-Dichloroethene	U	mg/Kg	0.0026	0.0012	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,1-Dichloropropene	U	mg/Kg	0.0026	0.00062	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,2,3-Trichlorobenzene	U	mg/Kg	0.0013	0.00019	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,2,3-Trichloropropane	U	mg/Kg	0.0040	0.0016	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0026	0.00029	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0026	0.00099	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,2-DBCP	U	mg/Kg	0.0026	0.00028	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0026	0.00063	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,2-Dichlorobenzene	U	mg/Kg	0.0026	0.00038	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,2-Dichloroethane	U	mg/Kg	0.0026	0.0011	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,2-Dichloropropane	U	mg/Kg	0.0026	0.00079	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0026	0.00028	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,3-Dichlorobenzene	U	mg/Kg	0.0026	0.00041	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,3-Dichloropropane	U	mg/Kg	0.0026	0.00059	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
1,4-Dichlorobenzene	U	mg/Kg	0.0026	0.00045	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
2,2-Dichloropropane	U	mg/Kg	0.0026	0.00070	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
2-Chlorotoluene	U	mg/Kg	0.0026	0.00049	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
2-Hexanone	U	mg/Kg	0.0040	0.0015	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
4-Chlorotoluene	U	mg/Kg	0.0026	0.00042	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
4-Isopropyltoluene	U	mg/Kg	0.0026	0.00032	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
4-methyl-2-pentanone	U	mg/Kg	0.0026	0.00071	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Acetone	0.033	mg/Kg	0.013	0.0041	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Acrolein	U	mg/Kg	0.013	0.0062	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Acrylonitrile	U	mg/Kg	0.026	0.0099	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Benzene	U	mg/Kg	0.0026	0.00061	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Bromobenzene	U	mg/Kg	0.0026	0.00049	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675001** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-1 - 2'-4'** Date Collected: 5/7/2018 10:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0040	0.0015	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Bromodichloromethane	U	mg/Kg	0.0026	0.00048	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Bromoform	U	mg/Kg	0.0026	0.00099	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Bromomethane	U	mg/Kg	0.0040	0.0020	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Carbon disulfide	U	mg/Kg	0.0026	0.00095	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Carbon tetrachloride	U	mg/Kg	0.0026	0.00071	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Chlorobenzene	U	mg/Kg	0.0026	0.00057	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Chloroethane	U	mg/Kg	0.0026	0.00077	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Chloroform	U	mg/Kg	0.020	0.0087	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Chloromethane	U	mg/Kg	0.0026	0.00090	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Dibromochloromethane	U	mg/Kg	0.0026	0.00075	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Dibromomethane	U	mg/Kg	0.0026	0.0015	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Dichlorodifluoromethane	U	mg/Kg	0.0026	0.00049	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
cis-1,3-Dichloropropene	U	mg/Kg	0.0026	0.00074	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Ethyl methacrylate	U	mg/Kg	0.0026	0.00048	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Ethylbenzene	U	mg/Kg	0.0026	0.00044	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Hexachlorobutadiene	U	mg/Kg	0.0026	0.00029	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Iodomethane	U	mg/Kg	0.0026	0.00057	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0026	0.00044	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Methyl ethyl ketone (MEK)	U	mg/Kg	0.013	0.0019	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Methylene chloride	U	mg/Kg	0.013	0.0066	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Naphthalene	U	mg/Kg	0.013	0.0066	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Styrene	U	mg/Kg	0.0026	0.00041	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Tetrachloroethene	U	mg/Kg	0.0026	0.00059	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Toluene	U	mg/Kg	0.0026	0.00053	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Trichloroethene	U	mg/Kg	0.0026	0.0010	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Trichlorofluoromethane	U	mg/Kg	0.0026	0.00099	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Vinyl acetate	U	mg/Kg	0.0026	0.0011	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Vinyl chloride	U	mg/Kg	0.0026	0.0013	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
Xylenes- Total	U	mg/Kg	0.0026	0.0013	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
cis-1,2-Dichloroethene	U	mg/Kg	0.0026	0.00058	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0026	0.0012	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
m & p-xylene	U	mg/Kg	0.0026	0.00085	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
n-Butylbenzene	U	mg/Kg	0.0026	0.00034	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
n-propylbenzene	U	mg/Kg	0.0026	0.00040	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
o-Xylene	U	mg/Kg	0.0026	0.00046	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
sec-Butylbenzene	U	mg/Kg	0.0026	0.00030	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.026	0.0094	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0040	0.0015	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
tert-Butylbenzene	U	mg/Kg	0.0026	0.00038	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
trans-1,2-Dichloroethene	U	mg/Kg	0.0026	0.0012	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	
trans-1,3-Dichloropropene	U	mg/Kg	0.0026	0.00058	1	5/10/2018 09:03	JSJ	5/10/2018 21:00	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID:	**1856675001**	Date Received:	5/8/2018 17:20	Matrix:	Soil/Solid
Sample ID:	**SB-1 - 2'-4'**	Date Collected:	5/7/2018 10:45		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8270C					
1,1'-Biphenyl	U	mg/Kg	0.781	0.130	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.130	0.052	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.130	0.060	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.130	0.061	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.130	0.048	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2-Fluorophenol (S)	27	%	25-120		1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
1,4-Dichlorobenzene	U	mg/Kg	0.130	0.052	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Phenol-d5 (S)	30	%	20-110		1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
1-Methylnaphthalene	U	mg/Kg	0.130	0.031	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Nitrobenzene-d5 (S)	29	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.130	0.043	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2-Fluorobiphenyl (S)	34	%	30-115		1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2,4,5-Trichlorophenol	U	mg/Kg	0.130	0.047	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2,4,6-Tribromophenol (S)	44	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.130	0.046	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
p-Terphenyl-d14 (S)	41	%	15-140		1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2,4-Dichlorophenol	U	mg/Kg	0.130	0.048	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2,4-Dinitrophenol	U	mg/Kg	0.130	0.130	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.130	0.038	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2,6-Dichlorophenol	U	mg/Kg	0.130	0.055	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.130	0.051	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2-Chloronaphthalene	U	mg/Kg	0.130	0.059	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2-Chlorophenol	U	mg/Kg	0.130	0.047	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2-Methylnaphthalene	U	mg/Kg	0.130	0.040	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2-Methylphenol	U	mg/Kg	0.130	0.040	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2-Nitroaniline	U	mg/Kg	0.130	0.039	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2-Nitrophenol	U	mg/Kg	0.130	0.068	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
3&4-Methylphenol	U	mg/Kg	0.260	0.046	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.130	0.036	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
3-Nitroaniline	U	mg/Kg	0.130	0.042	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.130	0.114	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.130	0.039	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
4-Chloroaniline	U	mg/Kg	0.130	0.057	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.130	0.031	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Acenaphthene	U	mg/Kg	0.130	0.038	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Acenaphthylene	U	mg/Kg	0.130	0.042	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Acetophenone	U	mg/Kg	0.781	0.130	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Aniline	U	mg/Kg	0.130	0.051	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Anthracene	U	mg/Kg	0.130	0.040	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675001** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-1 - 2'-4'** Date Collected: 5/7/2018 10:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	0.781	0.130	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Benzaldehyde*	U	mg/Kg	0.781	0.130	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Benzidine	U	mg/Kg	0.130	0.057	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Benzo(a)anthracene	0.192	mg/Kg	0.130	0.040	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Benzo(a)pyrene	0.271	mg/Kg	0.130	0.031	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Benzo(b)fluoranthene	0.342	mg/Kg	0.130	0.031	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Benzo(g,h,i)perylene	0.231	mg/Kg	0.130	0.043	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Benzo(k)fluoranthene	0.144	mg/Kg	0.130	0.055	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Benzyl alcohol	U	mg/Kg	0.130	0.055	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.130	0.048	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Butyl benzyl phthalate	U	mg/Kg	0.260	0.086	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Caprolactam*	U	mg/Kg	3.25	1.63	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Carbazole	0.055i	mg/Kg	0.130	0.042	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Chrysene	0.220	mg/Kg	0.130	0.018	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Di-n-butyl phthalate	U	mg/Kg	0.651	0.325	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Di-n-octyl phthalate	0.437	mg/Kg	0.130	0.047	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Dibenzo(a,h)anthracene	0.128i	mg/Kg	0.130	0.026	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Dibenzofuran	U	mg/Kg	0.130	0.038	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Diethyl phthalate	U	mg/Kg	0.130	0.060	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Dimethyl phthalate	U	mg/Kg	0.130	0.033	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
2,4-Dimethylphenol	U	mg/Kg	0.130	0.061	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Fluoranthene	0.386	mg/Kg	0.130	0.034	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Fluorene	U	mg/Kg	0.130	0.026	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Hexachlorobenzene	U	mg/Kg	0.130	0.036	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Hexachlorobutadiene	U	mg/Kg	0.130	0.062	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.130	0.070	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Hexachloroethane	U	mg/Kg	0.130	0.053	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Indeno(1,2,3-cd)pyrene	0.269	mg/Kg	0.130	0.016	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Isophorone	U	mg/Kg	0.130	0.044	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.130	0.040	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.130	0.054	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.130	0.043	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.130	0.035	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Naphthalene	U	mg/Kg	0.130	0.046	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
4-Nitroaniline	U	mg/Kg	0.130	0.044	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Nitrobenzene	U	mg/Kg	0.130	0.052	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
4-Nitrophenol	U	mg/Kg	0.130	0.047	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Pentachlorobenzene	U	mg/Kg	0.130	0.038	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Pentachlorophenol	U	mg/Kg	0.130	0.069	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Phenanthrene	0.113i	mg/Kg	0.130	0.035	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Phenol	U	mg/Kg	0.130	0.048	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Pyrene	0.338	mg/Kg	0.130	0.030	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Pyridine	U	mg/Kg	0.260	0.105	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675001** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-1 - 2'-4'** Date Collected: 5/7/2018 10:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.130	0.048	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.130	0.053	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.130	0.048	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	1.30	0.651	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
o-Toluidine	U	mg/Kg	0.130	0.051	1	5/10/2018 09:40	DB	5/11/2018 19:07	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	86.8	%	0.1		1			5/10/2018 11:05	AMS	
Analysis Desc: Florida PRO by GC (S)						Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)				
o-Terphenyl (S)	72	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 14:16	VS	
n-Triacontane-d62 (S)	92	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 14:16	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)						Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)				
Florida Pro Total	113	mg/Kg	26.0	13.0	2	5/10/2018 09:37	DB	5/14/2018 14:16	VS	J4h,J4
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)						Preparation Method: EPA 3050B Analytical Method: EPA 6020				
Chromium	5.7	mg/Kg	1.3	0.25	2	5/9/2018 16:51	ZS	5/10/2018 15:17	ZS	
Arsenic	1.4	mg/Kg	0.58	0.095	2	5/9/2018 16:51	ZS	5/10/2018 15:17	ZS	
Selenium	U	mg/Kg	1.2	0.54	2	5/9/2018 16:51	ZS	5/10/2018 15:17	ZS	
Silver	0.12i	mg/Kg	0.58	0.081	2	5/9/2018 16:51	ZS	5/10/2018 15:17	ZS	
Cadmium	U	mg/Kg	0.58	0.11	2	5/9/2018 16:51	ZS	5/10/2018 15:17	ZS	
Barium	11	mg/Kg	1.3	0.25	2	5/9/2018 16:51	ZS	5/10/2018 15:17	ZS	
Mercury	U	mg/Kg	0.70	0.14	2	5/9/2018 16:51	ZS	5/10/2018 15:17	ZS	
Lead	13	mg/Kg	0.58	0.090	2	5/9/2018 16:51	ZS	5/10/2018 15:17	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID:	**1856675002**	Date Received:	5/8/2018 17:20	Matrix:	Aqueous Liquid
Sample ID:	**GW-1**	Date Collected:	5/7/2018 10:55		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (W)					Preparation Method: EPA 5030B					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,1,1-Trichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,1,2,2-Tetrachloroethane	U	ug/L	1.00	0.200	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,1,2-Trichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,1-Dichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,1-Dichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,1-Dichloropropene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,2,3-Trichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,2,3-Trichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,2,4-Trichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,2,4-Trimethylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,2-DBCP	U	ug/L	1.00	0.550	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,2-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,2-Dichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,2-Dichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,3,5-Trimethylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,3-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,3-Dichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
1,4-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
2,2-Dichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
2-Chlorotoluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
2-Hexanone	U	ug/L	10.0	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
4-Chlorotoluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Dibromofluoromethane (S)	99	%	70-130		1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
4-Isopropyltoluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
4-methyl-2-pentanone	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Acetone	U	ug/L	10.0	0.510	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Acrolein	U	ug/L	20.0	8.70	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Acrylonitrile	U	ug/L	20.0	4.20	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Benzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Bromobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Bromochloromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Bromodichloromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Bromoform	U	ug/L	1.00	0.550	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Toluene d8 (S)	103	%	70-130		1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Bromomethane	U	ug/L	6.00	4.00	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Carbon disulfide	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Carbon tetrachloride	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675002** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid

Sample ID: **GW-1** Date Collected: 5/7/2018 10:55

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Chlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Chloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Chloroform	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Chloromethane	U	ug/L	5.00	2.50	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Dibromochloromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Dibromomethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Dichlorodifluoromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
4-Bromofluorobenzene (S)	100	%	70-130		1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
cis-1,3-Dichloropropene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Ethyl methacrylate	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Ethylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Hexachlorobutadiene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Iodomethane	U	ug/L	1.00	0.460	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Isopropylbenzene (Cumene)	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Methyl ethyl ketone (MEK)	U	ug/L	5.00	0.640	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Methylene chloride	U	ug/L	4.00	2.00	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Naphthalene	U	ug/L	2.00	1.00	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Styrene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Tetrachloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Toluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Trichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Trichlorofluoromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Vinyl acetate	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Vinyl chloride	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
Xylenes- Total	U	ug/L	3.00	0.800	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
cis-1,2-Dichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
cis-1,4-Dichloro-2-butene	U	ug/L	1.00	0.440	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
m & p-xylene	U	ug/L	2.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
n-Butylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
n-propylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
o-Xylene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
sec-Butylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
t-1,4-Dichloro-2-butene	U	ug/L	1.00	0.410	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
tert-Butylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
trans-1,2-Dichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	
trans-1,3-Dichloropropene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:21	JS	

Semivolatiles by EPA 8270C

Analysis Desc: EPA 8270C DOD Full List (W) Preparation Method: EPA 3510C

Analytical Method: EPA 8270C

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675002** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid

Sample ID: **GW-1** Date Collected: 5/7/2018 10:55

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
1,1'-Biphenyl	U	ug/L	11.2	3.74	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
1,2,4,5-Tetrachlorobenzene	U	ug/L	4.67	0.486	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
1,2,4-Trichlorobenzene	U	ug/L	4.67	0.860	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
1,2-Dichlorobenzene	U	ug/L	4.67	0.607	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
1,3-Dichlorobenzene	U	ug/L	4.67	0.832	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2-Fluorophenol (S)	24	%	20-110		1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
1,4-Dichlorobenzene	U	ug/L	4.67	0.888	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Phenol-d5 (S)	16	%	10-110		1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
1-Methylnaphthalene	U	ug/L	4.67	0.505	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Nitrobenzene-d5 (S)	40	%	30-110		1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2,3,4,6-Tetrachlorophenol	U	ug/L	4.67	0.439	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2-Fluorobiphenyl (S)	42	%	40-110		1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2,4,5-Trichlorophenol	U	ug/L	9.35	0.411	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2,4,6-Tribromophenol (S)	47	%	10-120		1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2,4,6-Trichlorophenol	U	ug/L	4.67	0.439	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
p-Terphenyl-d14 (S)	50	%	30-140		1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2,4-Dichlorophenol	U	ug/L	9.35	0.579	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2,4-Dinitrophenol	U	ug/L	4.67	0.738	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2,4-Dinitrotoluene	U	ug/L	4.67	0.570	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2,6-Dichlorophenol	U	ug/L	9.35	0.561	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2,6-Dinitrotoluene	U	ug/L	4.67	0.523	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2-Chloronaphthalene	U	ug/L	4.67	0.383	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2-Chlorophenol	U	ug/L	4.67	0.421	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2-Methylnaphthalene	U	ug/L	4.67	0.439	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2-Methylphenol	U	ug/L	4.67	0.336	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2-Nitroaniline	U	ug/L	9.35	0.542	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2-Nitrophenol	U	ug/L	4.67	0.551	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
3&4-Methylphenol	U	ug/L	9.35	0.411	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
3,3'-Dichlorobenzidine	U	ug/L	4.67	0.710	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
3-Nitroaniline	U	ug/L	4.67	0.561	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
4,6-Dinitro-2-methylphenol	U	ug/L	9.35	0.598	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
4-Chloro-3-methylphenol	U	ug/L	4.67	0.561	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
4-Chloroaniline	U	ug/L	4.67	1.25	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
4-Chlorophenyl phenyl ether	U	ug/L	4.67	0.561	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Acenaphthene	U	ug/L	4.67	0.514	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Acenaphthylene	U	ug/L	4.67	0.430	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Acetophenone	U	ug/L	11.2	2.80	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Aniline	U	ug/L	4.67	1.42	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Anthracene	U	ug/L	4.67	0.579	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Atrazine	U	ug/L	11.2	1.87	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Benzaldehyde*	U	ug/L	11.2	3.74	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Benzidine	U	ug/L	18.7	5.53	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Benzo(a)anthracene	U	ug/L	4.67	0.748	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675002** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid

Sample ID: **GW-1** Date Collected: 5/7/2018 10:55

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Benzo(a)pyrene	U	ug/L	4.67	0.570	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Benzo(b)fluoranthene	U	ug/L	4.67	0.645	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Benzo(g,h,i)perylene	U	ug/L	4.67	0.579	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Benzo(k)fluoranthene	U	ug/L	4.67	0.748	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Benzyl alcohol	U	ug/L	4.67	0.290	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
4-Bromophenyl phenyl ether	U	ug/L	4.67	0.626	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Butyl benzyl phthalate	U	ug/L	4.67	0.561	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Caprolactam*	U	ug/L	46.7	23.4	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Carbazole	U	ug/L	4.67	0.589	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Chrysene	U	ug/L	1.87	0.467	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Di-n-butyl phthalate	U	ug/L	4.67	0.626	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Di-n-octyl phthalate	U	ug/L	4.67	0.467	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Dibenzo(a,h)anthracene	U	ug/L	4.67	0.617	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Dibenzofuran	U	ug/L	4.67	0.533	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Diethyl phthalate	U	ug/L	18.7	2.21	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Dimethyl phthalate	U	ug/L	4.67	0.458	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
2,4-Dimethylphenol	U	ug/L	4.67	0.813	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Fluoranthene	U	ug/L	4.67	0.561	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Fluorene	U	ug/L	4.67	0.607	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Hexachlorobenzene	U	ug/L	4.67	0.551	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Hexachlorobutadiene	U	ug/L	4.67	1.00	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Hexachlorocyclopentadiene	U	ug/L	9.35	0.720	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Hexachloroethane	U	ug/L	4.67	0.935	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Indeno(1,2,3-cd)pyrene	U	ug/L	4.67	0.682	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Isophorone	U	ug/L	4.67	0.449	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
N-Nitrosodi-n-propylamine	U	ug/L	4.67	0.579	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
N-Nitrosodiethylamine	U	ug/L	4.67	0.694	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
N-Nitrosodimethylamine	U	ug/L	4.67	0.701	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
N-Nitrosodiphenylamine	U	ug/L	4.67	0.411	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Naphthalene	U	ug/L	4.67	0.748	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
4-Nitroaniline	U	ug/L	9.35	0.505	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Nitrobenzene	U	ug/L	4.67	0.523	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
4-Nitrophenol	U	ug/L	4.67	0.299	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Pentachlorobenzene	U	ug/L	4.67	0.701	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Pentachlorophenol	U	ug/L	4.67	0.701	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Phenanthrene	U	ug/L	4.67	0.514	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Phenol	U	ug/L	4.67	0.159	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Pyrene	U	ug/L	4.67	0.589	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Pyridine	U	ug/L	18.7	2.44	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
bis[2-Chloroethoxy]methane	U	ug/L	4.67	0.393	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
bis[2-Chloroethyl]ether	U	ug/L	4.67	0.570	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
bis[2-Chloroisopropyl]ether	U	ug/L	4.67	0.720	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
bis[2-Ethylhexyl]phthalate	U	ug/L	4.67	1.87	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID:	**1856675002**	Date Received:	5/8/2018 17:20	Matrix:	Aqueous Liquid
Sample ID:	**GW-1**	Date Collected:	5/7/2018 10:55		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
o-Toluidine	U	ug/L	4.67	1.34	1	5/14/2018 09:51	DB	5/14/2018 16:10	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (W)					Preparation Method: EPA 3510C Analytical Method: FL-PRO (GC)					
Florida Pro Total	U	mg/L	0.299	0.150	2	5/14/2018 09:48	DB	5/14/2018 13:01	VS	
o-Terphenyl (S)	63	%	50-150		2	5/14/2018 09:48	DB	5/14/2018 13:01	VS	
n-Triacontane-d62 (S)	69	%	50-150		2	5/14/2018 09:48	DB	5/14/2018 13:01	VS	
Analysis Desc: EPA 200.8 Total RCRA-8 Metals (W)					Preparation Method: EPA 200.2 mod. Analytical Method: EPA 200.8 (Total)					
Chromium	1.9i	ug/L	2.0	0.27	4	5/9/2018 12:08	ZS	5/9/2018 17:05	ZS	
Arsenic	U	ug/L	2.0	0.65	4	5/9/2018 12:08	ZS	5/9/2018 17:05	ZS	
Selenium	U	ug/L	4.0	2.1	4	5/9/2018 12:08	ZS	5/9/2018 17:05	ZS	
Silver	U	ug/L	2.0	0.28	4	5/9/2018 12:08	ZS	5/9/2018 17:05	ZS	
Cadmium	U	ug/L	2.0	0.28	4	5/9/2018 12:08	ZS	5/9/2018 17:05	ZS	
Barium	42	ug/L	2.0	0.30	4	5/9/2018 12:08	ZS	5/9/2018 17:05	ZS	
Mercury	U	ug/L	2.0	0.73	4	5/9/2018 12:08	ZS	5/9/2018 17:05	ZS	
Lead	U	ug/L	2.0	0.12	4	5/9/2018 12:08	ZS	5/9/2018 17:05	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID:	**1856675003**	Date Received:	5/8/2018 17:20	Matrix:	Soil/Solid
Sample ID:	**SB-2 - 0'-2'**	Date Collected:	5/7/2018 11:15		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	102	%	60-135		1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Toluene d8 (S)	101	%	60-135		1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
4-Bromofluorobenzene (S)	102	%	60-135		1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0035	0.0011	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,1,1-Trichloroethane	U	mg/Kg	0.0035	0.00098	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0035	0.00085	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,1,2-Trichloroethane	U	mg/Kg	0.0035	0.00090	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,1-Dichloroethane	U	mg/Kg	0.0035	0.0014	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,1-Dichloroethene	U	mg/Kg	0.0035	0.0016	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,1-Dichloropropene	U	mg/Kg	0.0035	0.00083	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,2,3-Trichlorobenzene	U	mg/Kg	0.0018	0.00025	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,2,3-Trichloropropane	U	mg/Kg	0.0053	0.0021	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0035	0.00039	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0035	0.0013	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,2-DBCP	U	mg/Kg	0.0035	0.00037	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0035	0.00085	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,2-Dichlorobenzene	U	mg/Kg	0.0035	0.00051	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,2-Dichloroethane	U	mg/Kg	0.0035	0.0015	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,2-Dichloropropane	U	mg/Kg	0.0035	0.0011	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0035	0.00037	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,3-Dichlorobenzene	U	mg/Kg	0.0035	0.00055	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,3-Dichloropropane	U	mg/Kg	0.0035	0.00080	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
1,4-Dichlorobenzene	U	mg/Kg	0.0035	0.00060	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
2,2-Dichloropropane	U	mg/Kg	0.0035	0.00094	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
2-Chlorotoluene	U	mg/Kg	0.0035	0.00066	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
2-Hexanone	U	mg/Kg	0.0053	0.0020	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
4-Chlorotoluene	U	mg/Kg	0.0035	0.00057	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
4-Isopropyltoluene	U	mg/Kg	0.0035	0.00043	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
4-methyl-2-pentanone	U	mg/Kg	0.0035	0.00096	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Acetone	0.266	mg/Kg	0.018	0.0055	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Acrolein	U	mg/Kg	0.018	0.0083	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Acrylonitrile	U	mg/Kg	0.035	0.013	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Benzene	U	mg/Kg	0.0035	0.00082	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Bromobenzene	U	mg/Kg	0.0035	0.00066	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675003** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-2 - 0'-2'** Date Collected: 5/7/2018 11:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0053	0.0020	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Bromodichloromethane	U	mg/Kg	0.0035	0.00064	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Bromoform	U	mg/Kg	0.0035	0.0013	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Bromomethane	U	mg/Kg	0.0053	0.0027	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Carbon disulfide	U	mg/Kg	0.0035	0.0013	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Carbon tetrachloride	U	mg/Kg	0.0035	0.00096	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Chlorobenzene	U	mg/Kg	0.0035	0.00076	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Chloroethane	U	mg/Kg	0.0035	0.0010	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Chloroform	U	mg/Kg	0.027	0.012	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Chloromethane	U	mg/Kg	0.0035	0.0012	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Dibromochloromethane	U	mg/Kg	0.0035	0.0010	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Dibromomethane	U	mg/Kg	0.0035	0.0020	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Dichlorodifluoromethane	U	mg/Kg	0.0035	0.00066	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
cis-1,3-Dichloropropene	U	mg/Kg	0.0035	0.00099	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Ethyl methacrylate	U	mg/Kg	0.0035	0.00064	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Ethylbenzene	U	mg/Kg	0.0035	0.00059	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Hexachlorobutadiene	U	mg/Kg	0.0035	0.00039	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Iodomethane	U	mg/Kg	0.0035	0.00076	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0035	0.00059	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Methyl ethyl ketone (MEK)	U	mg/Kg	0.018	0.0026	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Methylene chloride	U	mg/Kg	0.018	0.0089	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Naphthalene	U	mg/Kg	0.018	0.0089	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Styrene	U	mg/Kg	0.0035	0.00055	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Tetrachloroethene	U	mg/Kg	0.0035	0.00080	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Toluene	U	mg/Kg	0.0035	0.00071	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Trichloroethene	U	mg/Kg	0.0035	0.0014	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Trichlorofluoromethane	U	mg/Kg	0.0035	0.0013	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Vinyl acetate	U	mg/Kg	0.0035	0.0015	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Vinyl chloride	U	mg/Kg	0.0035	0.0017	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
Xylenes- Total	U	mg/Kg	0.0035	0.0018	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
cis-1,2-Dichloroethene	U	mg/Kg	0.0035	0.00078	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0035	0.0016	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
m & p-xylene	U	mg/Kg	0.0035	0.0011	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
n-Butylbenzene	U	mg/Kg	0.0035	0.00046	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
n-propylbenzene	U	mg/Kg	0.0035	0.00053	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
o-Xylene	U	mg/Kg	0.0035	0.00062	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
sec-Butylbenzene	U	mg/Kg	0.0035	0.00041	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.035	0.013	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0053	0.0020	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
tert-Butylbenzene	U	mg/Kg	0.0035	0.00051	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
trans-1,2-Dichloroethene	U	mg/Kg	0.0035	0.0016	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	
trans-1,3-Dichloropropene	U	mg/Kg	0.0035	0.00078	1	5/10/2018 09:03	JSJ	5/10/2018 21:48	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID:	**1856675003**	Date Received:	5/8/2018 17:20	Matrix:	Soil/Solid
Sample ID:	**SB-2 - 0'-2'**	Date Collected:	5/7/2018 11:15		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8270C					
1,1'-Biphenyl	U	mg/Kg	0.840	0.140	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.140	0.056	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.140	0.064	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.140	0.066	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.140	0.052	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2-Fluorophenol (S)	27	%	25-120		1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
1,4-Dichlorobenzene	U	mg/Kg	0.140	0.056	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Phenol-d5 (S)	28	%	20-110		1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
1-Methylnaphthalene	U	mg/Kg	0.140	0.034	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Nitrobenzene-d5 (S)	27	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.140	0.046	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2-Fluorobiphenyl (S)	35	%	30-115		1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2,4,5-Trichlorophenol	U	mg/Kg	0.140	0.050	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2,4,6-Tribromophenol (S)	40	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.140	0.049	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
p-Terphenyl-d14 (S)	48	%	15-140		1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2,4-Dichlorophenol	U	mg/Kg	0.140	0.052	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2,4-Dinitrophenol	U	mg/Kg	0.140	0.140	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.140	0.041	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2,6-Dichlorophenol	U	mg/Kg	0.140	0.059	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.140	0.055	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2-Chloronaphthalene	U	mg/Kg	0.140	0.063	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2-Chlorophenol	U	mg/Kg	0.140	0.050	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2-Methylnaphthalene	U	mg/Kg	0.140	0.043	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2-Methylphenol	U	mg/Kg	0.140	0.043	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2-Nitroaniline	U	mg/Kg	0.140	0.042	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2-Nitrophenol	U	mg/Kg	0.140	0.073	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
3&4-Methylphenol	U	mg/Kg	0.280	0.049	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.140	0.039	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
3-Nitroaniline	U	mg/Kg	0.140	0.045	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.140	0.123	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.140	0.042	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
4-Chloroaniline	U	mg/Kg	0.140	0.062	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.140	0.034	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Acenaphthene	U	mg/Kg	0.140	0.041	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Acenaphthylene	U	mg/Kg	0.140	0.045	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Acetophenone	U	mg/Kg	0.840	0.140	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Aniline	U	mg/Kg	0.140	0.055	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Anthracene	U	mg/Kg	0.140	0.043	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675003** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-2 - 0'-2'** Date Collected: 5/7/2018 11:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	0.840	0.140	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Benzaldehyde*	U	mg/Kg	0.840	0.140	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Benzidine	U	mg/Kg	0.140	0.062	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Benzo(a)anthracene	0.274	mg/Kg	0.140	0.043	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Benzo(a)pyrene	0.430	mg/Kg	0.140	0.034	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Benzo(b)fluoranthene	0.621	mg/Kg	0.140	0.034	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Benzo(g,h,i)perylene	0.370	mg/Kg	0.140	0.046	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Benzo(k)fluoranthene	0.237	mg/Kg	0.140	0.059	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Benzyl alcohol	U	mg/Kg	0.140	0.059	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.140	0.052	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Butyl benzyl phthalate	U	mg/Kg	0.280	0.092	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Caprolactam*	U	mg/Kg	3.50	1.75	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Carbazole	0.062i	mg/Kg	0.140	0.045	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Chrysene	0.388	mg/Kg	0.140	0.020	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Di-n-butyl phthalate	U	mg/Kg	0.700	0.350	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Di-n-octyl phthalate	U	mg/Kg	0.140	0.050	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Dibenzo(a,h)anthracene	0.167	mg/Kg	0.140	0.028	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Dibenzofuran	U	mg/Kg	0.140	0.041	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Diethyl phthalate	U	mg/Kg	0.140	0.064	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Dimethyl phthalate	U	mg/Kg	0.140	0.035	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
2,4-Dimethylphenol	U	mg/Kg	0.140	0.066	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Fluoranthene	0.529	mg/Kg	0.140	0.036	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Fluorene	U	mg/Kg	0.140	0.028	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Hexachlorobenzene	U	mg/Kg	0.140	0.039	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Hexachlorobutadiene	U	mg/Kg	0.140	0.067	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.140	0.076	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Hexachloroethane	U	mg/Kg	0.140	0.057	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Indeno(1,2,3-cd)pyrene	0.433	mg/Kg	0.140	0.017	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Isophorone	U	mg/Kg	0.140	0.048	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.140	0.043	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.140	0.058	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.140	0.046	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.140	0.038	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Naphthalene	U	mg/Kg	0.140	0.049	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
4-Nitroaniline	U	mg/Kg	0.140	0.048	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Nitrobenzene	U	mg/Kg	0.140	0.056	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
4-Nitrophenol	U	mg/Kg	0.140	0.050	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Pentachlorobenzene	U	mg/Kg	0.140	0.041	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Pentachlorophenol	U	mg/Kg	0.140	0.074	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Phenanthrene	0.113i	mg/Kg	0.140	0.038	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Phenol	U	mg/Kg	0.140	0.052	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Pyrene	0.456	mg/Kg	0.140	0.032	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Pyridine	U	mg/Kg	0.280	0.113	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675003** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-2 - 0'-2'** Date Collected: 5/7/2018 11:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.140	0.052	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.140	0.057	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.140	0.052	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	1.40	0.700	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
o-Toluidine	U	mg/Kg	0.140	0.055	1	5/10/2018 09:40	DB	5/11/2018 19:41	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	94.0	%	0.1		1			5/10/2018 11:05	AMS	
Analysis Desc: Florida PRO by GC (S)						Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)				
o-Terphenyl (S)	88	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 14:35	VS	
n-Triacontane-d62 (S)	104	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 14:35	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)						Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)				
Florida Pro Total	355	mg/Kg	28.0	14.0	2	5/10/2018 09:37	DB	5/14/2018 14:35	VS	
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)						Preparation Method: EPA 3050B Analytical Method: EPA 6020				
Chromium	7.1	mg/Kg	1.2	0.23	2	5/9/2018 16:51	ZS	5/10/2018 15:22	ZS	
Arsenic	2.3	mg/Kg	0.53	0.087	2	5/9/2018 16:51	ZS	5/10/2018 15:22	ZS	
Selenium	U	mg/Kg	1.1	0.50	2	5/9/2018 16:51	ZS	5/10/2018 15:22	ZS	
Silver	0.088i	mg/Kg	0.53	0.075	2	5/9/2018 16:51	ZS	5/10/2018 15:22	ZS	
Cadmium	0.13i	mg/Kg	0.53	0.098	2	5/9/2018 16:51	ZS	5/10/2018 15:22	ZS	
Barium	9.3	mg/Kg	1.2	0.23	2	5/9/2018 16:51	ZS	5/10/2018 15:22	ZS	
Mercury	U	mg/Kg	0.65	0.13	2	5/9/2018 16:51	ZS	5/10/2018 15:22	ZS	
Lead	24	mg/Kg	0.53	0.083	2	5/9/2018 16:51	ZS	5/10/2018 15:22	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675004** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB 3 - 0'-2'** Date Collected: 5/7/2018 11:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	99	%	60-135		1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Toluene d8 (S)	99	%	60-135		1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
4-Bromofluorobenzene (S)	101	%	60-135		1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0041	0.0012	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,1,1-Trichloroethane	U	mg/Kg	0.0041	0.0011	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0041	0.00098	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,1,2-Trichloroethane	U	mg/Kg	0.0041	0.0010	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,1-Dichloroethane	U	mg/Kg	0.0041	0.0016	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,1-Dichloroethene	U	mg/Kg	0.0041	0.0018	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,1-Dichloropropene	U	mg/Kg	0.0041	0.00096	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,2,3-Trichlorobenzene	U	mg/Kg	0.0020	0.00029	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,2,3-Trichloropropane	U	mg/Kg	0.0061	0.0025	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0041	0.00045	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0041	0.0015	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,2-DBCP	U	mg/Kg	0.0041	0.00043	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0041	0.00098	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,2-Dichlorobenzene	U	mg/Kg	0.0041	0.00059	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,2-Dichloroethane	U	mg/Kg	0.0041	0.0017	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,2-Dichloropropane	U	mg/Kg	0.0041	0.0012	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0041	0.00043	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,3-Dichlorobenzene	U	mg/Kg	0.0041	0.00063	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,3-Dichloropropane	U	mg/Kg	0.0041	0.00092	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
1,4-Dichlorobenzene	U	mg/Kg	0.0041	0.00070	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
2,2-Dichloropropane	U	mg/Kg	0.0041	0.0011	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
2-Chlorotoluene	U	mg/Kg	0.0041	0.00076	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
2-Hexanone	U	mg/Kg	0.0061	0.0024	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
4-Chlorotoluene	U	mg/Kg	0.0041	0.00065	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
4-Isopropyltoluene	U	mg/Kg	0.0041	0.00049	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
4-methyl-2-pentanone	U	mg/Kg	0.0041	0.0011	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Acetone	0.444	mg/Kg	0.020	0.0064	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Acrolein	U	mg/Kg	0.020	0.0095	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Acrylonitrile	U	mg/Kg	0.041	0.015	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Benzene	U	mg/Kg	0.0041	0.00094	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Bromobenzene	U	mg/Kg	0.0041	0.00076	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675004** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB 3 - 0'-2'** Date Collected: 5/7/2018 11:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0061	0.0023	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Bromodichloromethane	U	mg/Kg	0.0041	0.00074	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Bromoform	U	mg/Kg	0.0041	0.0015	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Bromomethane	U	mg/Kg	0.0061	0.0031	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Carbon disulfide	0.0039i	mg/Kg	0.0041	0.0015	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	J3
Carbon tetrachloride	U	mg/Kg	0.0041	0.0011	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Chlorobenzene	U	mg/Kg	0.0041	0.00088	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Chloroethane	U	mg/Kg	0.0041	0.0012	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Chloroform	U	mg/Kg	0.031	0.013	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Chloromethane	U	mg/Kg	0.0041	0.0014	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Dibromochloromethane	U	mg/Kg	0.0041	0.0012	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Dibromomethane	U	mg/Kg	0.0041	0.0023	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Dichlorodifluoromethane	U	mg/Kg	0.0041	0.00076	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
cis-1,3-Dichloropropene	U	mg/Kg	0.0041	0.0011	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Ethyl methacrylate	U	mg/Kg	0.0041	0.00074	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Ethylbenzene	U	mg/Kg	0.0041	0.00067	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Hexachlorobutadiene	U	mg/Kg	0.0041	0.00045	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Iodomethane	U	mg/Kg	0.0041	0.00088	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0041	0.00067	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Methyl ethyl ketone (MEK)	0.037	mg/Kg	0.020	0.0030	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Methylene chloride	U	mg/Kg	0.020	0.010	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Naphthalene	U	mg/Kg	0.020	0.010	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Styrene	U	mg/Kg	0.0041	0.00063	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Tetrachloroethene	U	mg/Kg	0.0041	0.00092	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Toluene	U	mg/Kg	0.0041	0.00082	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Trichloroethene	U	mg/Kg	0.0041	0.0016	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Trichlorofluoromethane	U	mg/Kg	0.0041	0.0015	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Vinyl acetate	U	mg/Kg	0.0041	0.0017	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Vinyl chloride	U	mg/Kg	0.0041	0.0020	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
Xylenes- Total	U	mg/Kg	0.0041	0.0020	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
cis-1,2-Dichloroethene	U	mg/Kg	0.0041	0.00090	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0041	0.0019	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
m & p-xylene	U	mg/Kg	0.0041	0.0013	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
n-Butylbenzene	U	mg/Kg	0.0041	0.00053	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
n-propylbenzene	U	mg/Kg	0.0041	0.00061	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
o-Xylene	U	mg/Kg	0.0041	0.00072	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
sec-Butylbenzene	U	mg/Kg	0.0041	0.00047	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.041	0.014	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0061	0.0023	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
tert-Butylbenzene	U	mg/Kg	0.0041	0.00059	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
trans-1,2-Dichloroethene	U	mg/Kg	0.0041	0.0018	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	
trans-1,3-Dichloropropene	U	mg/Kg	0.0041	0.00090	1	5/10/2018 09:03	JSJ	5/10/2018 21:24	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675004** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB 3 - 0'-2'** Date Collected: 5/7/2018 11:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8270C					
1,1'-Biphenyl	U	mg/Kg	0.853	0.142	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.142	0.057	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.142	0.065	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.142	0.067	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2-Fluorophenol (S)	31	%	25-120		1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
1,4-Dichlorobenzene	U	mg/Kg	0.142	0.057	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Phenol-d5 (S)	33	%	20-110		1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
1-Methylnaphthalene	U	mg/Kg	0.142	0.034	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Nitrobenzene-d5 (S)	33	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.142	0.047	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2-Fluorobiphenyl (S)	36	%	30-115		1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2,4,5-Trichlorophenol	U	mg/Kg	0.142	0.051	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2,4,6-Tribromophenol (S)	40	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.142	0.050	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
p-Terphenyl-d14 (S)	38	%	15-140		1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2,4-Dichlorophenol	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2,4-Dinitrophenol	U	mg/Kg	0.142	0.142	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.142	0.041	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2,6-Dichlorophenol	U	mg/Kg	0.142	0.060	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.142	0.055	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2-Chloronaphthalene	U	mg/Kg	0.142	0.064	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2-Chlorophenol	U	mg/Kg	0.142	0.051	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2-Methylnaphthalene	U	mg/Kg	0.142	0.044	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2-Methylphenol	U	mg/Kg	0.142	0.044	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2-Nitroaniline	U	mg/Kg	0.142	0.043	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2-Nitrophenol	U	mg/Kg	0.142	0.074	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
3&4-Methylphenol	U	mg/Kg	0.284	0.050	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.142	0.040	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
3-Nitroaniline	U	mg/Kg	0.142	0.045	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.142	0.125	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.142	0.043	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
4-Chloroaniline	U	mg/Kg	0.142	0.063	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.142	0.034	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Acenaphthene	U	mg/Kg	0.142	0.041	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Acenaphthylene	U	mg/Kg	0.142	0.045	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Acetophenone	U	mg/Kg	0.853	0.142	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Aniline	U	mg/Kg	0.142	0.055	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Anthracene	U	mg/Kg	0.142	0.044	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675004** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB 3 - 0'-2'** Date Collected: 5/7/2018 11:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	0.853	0.142	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Benzaldehyde*	U	mg/Kg	0.853	0.142	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Benzidine	U	mg/Kg	0.142	0.063	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Benzo(a)anthracene	0.225	mg/Kg	0.142	0.044	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Benzo(a)pyrene	0.273	mg/Kg	0.142	0.034	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Benzo(b)fluoranthene	0.334	mg/Kg	0.142	0.034	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Benzo(g,h,i)perylene	0.230	mg/Kg	0.142	0.047	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Benzo(k)fluoranthene	0.129i	mg/Kg	0.142	0.060	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Benzyl alcohol	U	mg/Kg	0.142	0.060	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Butyl benzyl phthalate	U	mg/Kg	0.284	0.094	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Caprolactam*	U	mg/Kg	3.55	1.78	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Carbazole	0.078i	mg/Kg	0.142	0.045	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Chrysene	0.212	mg/Kg	0.142	0.020	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Di-n-butyl phthalate	U	mg/Kg	0.711	0.355	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Di-n-octyl phthalate	U	mg/Kg	0.142	0.051	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Dibenzo(a,h)anthracene	0.137i	mg/Kg	0.142	0.028	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Dibenzofuran	U	mg/Kg	0.142	0.041	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Diethyl phthalate	U	mg/Kg	0.142	0.065	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Dimethyl phthalate	U	mg/Kg	0.142	0.036	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
2,4-Dimethylphenol	U	mg/Kg	0.142	0.067	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Fluoranthene	0.448	mg/Kg	0.142	0.037	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Fluorene	U	mg/Kg	0.142	0.028	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Hexachlorobenzene	U	mg/Kg	0.142	0.040	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Hexachlorobutadiene	U	mg/Kg	0.142	0.068	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.142	0.077	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Hexachloroethane	U	mg/Kg	0.142	0.058	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Indeno(1,2,3-cd)pyrene	0.269	mg/Kg	0.142	0.017	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Isophorone	U	mg/Kg	0.142	0.048	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.142	0.044	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.142	0.059	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.142	0.047	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.142	0.038	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Naphthalene	U	mg/Kg	0.142	0.050	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
4-Nitroaniline	U	mg/Kg	0.142	0.048	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Nitrobenzene	U	mg/Kg	0.142	0.057	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
4-Nitrophenol	U	mg/Kg	0.142	0.051	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Pentachlorobenzene	U	mg/Kg	0.142	0.041	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Pentachlorophenol	U	mg/Kg	0.142	0.075	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Phenanthrene	0.205	mg/Kg	0.142	0.038	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Phenol	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Pyrene	0.354	mg/Kg	0.142	0.033	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Pyridine	U	mg/Kg	0.284	0.115	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675004** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB 3 - 0'-2'** Date Collected: 5/7/2018 11:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.142	0.058	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	1.42	0.711	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
o-Toluidine	U	mg/Kg	0.142	0.055	1	5/10/2018 09:40	DB	5/11/2018 20:14	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	86.4	%	0.1		1			5/10/2018 11:05	AMS	
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
o-Terphenyl (S)	100	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 15:13	VS	
n-Triacontane-d62 (S)	109	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 15:13	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
Florida Pro Total	414	mg/Kg	28.4	14.2	2	5/10/2018 09:37	DB	5/14/2018 15:13	VS	
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)					Preparation Method: EPA 3050B Analytical Method: EPA 6020					
Chromium	17	mg/Kg	1.3	0.25	2	5/9/2018 16:51	ZS	5/10/2018 15:27	ZS	
Arsenic	4.7	mg/Kg	0.58	0.095	2	5/9/2018 16:51	ZS	5/10/2018 15:27	ZS	
Selenium	U	mg/Kg	1.2	0.54	2	5/9/2018 16:51	ZS	5/10/2018 15:27	ZS	
Silver	U	mg/Kg	0.58	0.081	2	5/9/2018 16:51	ZS	5/10/2018 15:27	ZS	
Cadmium	U	mg/Kg	0.58	0.11	2	5/9/2018 16:51	ZS	5/10/2018 15:27	ZS	
Barium	11	mg/Kg	1.3	0.25	2	5/9/2018 16:51	ZS	5/10/2018 15:27	ZS	
Mercury	U	mg/Kg	0.71	0.14	2	5/9/2018 16:51	ZS	5/10/2018 15:27	ZS	
Lead	13	mg/Kg	0.58	0.090	2	5/9/2018 16:51	ZS	5/10/2018 15:27	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID:	**1856675005**	Date Received:	5/8/2018 17:20	Matrix:	Aqueous Liquid
Sample ID:	**GW 2**	Date Collected:	5/7/2018 12:00		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (W)					Preparation Method: EPA 5030B Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,1,1-Trichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,1,2,2-Tetrachloroethane	U	ug/L	1.00	0.200	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,1,2-Trichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,1-Dichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,1-Dichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,1-Dichloropropene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,2,3-Trichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,2,3-Trichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,2,4-Trichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,2,4-Trimethylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,2-DBCP	U	ug/L	1.00	0.550	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,2-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,2-Dichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,2-Dichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,3,5-Trimethylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,3-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,3-Dichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
1,4-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
2,2-Dichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
2-Chlorotoluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
2-Hexanone	U	ug/L	10.0	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
4-Chlorotoluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Dibromofluoromethane (S)	101	%	70-130		1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
4-Isopropyltoluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
4-methyl-2-pentanone	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Acetone	U	ug/L	10.0	0.510	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Acrolein	U	ug/L	20.0	8.70	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Acrylonitrile	U	ug/L	20.0	4.20	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Benzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Bromobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Bromochloromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Bromodichloromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Bromoform	U	ug/L	1.00	0.550	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Toluene d8 (S)	104	%	70-130		1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Bromomethane	U	ug/L	6.00	4.00	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Carbon disulfide	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Carbon tetrachloride	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675005** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid

Sample ID: **GW 2** Date Collected: 5/7/2018 12:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Chlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Chloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Chloroform	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Chloromethane	U	ug/L	5.00	2.50	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Dibromochloromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Dibromomethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Dichlorodifluoromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
4-Bromofluorobenzene (S)	100	%	70-130		1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
cis-1,3-Dichloropropene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Ethyl methacrylate	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Ethylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Hexachlorobutadiene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Iodomethane	U	ug/L	1.00	0.460	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Isopropylbenzene (Cumene)	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Methyl ethyl ketone (MEK)	U	ug/L	5.00	0.640	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Methylene chloride	U	ug/L	4.00	2.00	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Naphthalene	U	ug/L	2.00	1.00	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Styrene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Tetrachloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Toluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Trichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Trichlorofluoromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Vinyl acetate	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Vinyl chloride	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
Xylenes- Total	U	ug/L	3.00	0.800	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
cis-1,2-Dichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
cis-1,4-Dichloro-2-butene	U	ug/L	1.00	0.440	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
m & p-xylene	U	ug/L	2.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
n-Butylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
n-propylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
o-Xylene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
sec-Butylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
t-1,4-Dichloro-2-butene	U	ug/L	1.00	0.410	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
tert-Butylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
trans-1,2-Dichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	
trans-1,3-Dichloropropene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 16:45	JS	

Semivolatiles by EPA 8270C

Analysis Desc: EPA 8270C DOD Full List (W) Preparation Method: EPA 3510C

Analytical Method: EPA 8270C

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675005** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid

Sample ID: **GW 2** Date Collected: 5/7/2018 12:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
1,1'-Biphenyl	U	ug/L	11.2	3.74	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
1,2,4,5-Tetrachlorobenzene	U	ug/L	4.67	0.486	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
1,2,4-Trichlorobenzene	U	ug/L	4.67	0.860	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
1,2-Dichlorobenzene	U	ug/L	4.67	0.607	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
1,3-Dichlorobenzene	U	ug/L	4.67	0.832	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2-Fluorophenol (S)	25	%	20-110		1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
1,4-Dichlorobenzene	U	ug/L	4.67	0.888	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Phenol-d5 (S)	16	%	10-110		1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
1-Methylnaphthalene	U	ug/L	4.67	0.505	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Nitrobenzene-d5 (S)	43	%	30-110		1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2,3,4,6-Tetrachlorophenol	U	ug/L	4.67	0.439	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2-Fluorobiphenyl (S)	44	%	40-110		1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2,4,5-Trichlorophenol	U	ug/L	9.35	0.411	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2,4,6-Tribromophenol (S)	49	%	10-120		1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2,4,6-Trichlorophenol	U	ug/L	4.67	0.439	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
p-Terphenyl-d14 (S)	49	%	30-140		1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2,4-Dichlorophenol	U	ug/L	9.35	0.579	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2,4-Dinitrophenol	U	ug/L	4.67	0.738	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2,4-Dinitrotoluene	U	ug/L	4.67	0.570	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2,6-Dichlorophenol	U	ug/L	9.35	0.561	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2,6-Dinitrotoluene	U	ug/L	4.67	0.523	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2-Chloronaphthalene	U	ug/L	4.67	0.383	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2-Chlorophenol	U	ug/L	4.67	0.421	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2-Methylnaphthalene	U	ug/L	4.67	0.439	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2-Methylphenol	U	ug/L	4.67	0.336	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2-Nitroaniline	U	ug/L	9.35	0.542	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2-Nitrophenol	U	ug/L	4.67	0.551	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
3&4-Methylphenol	U	ug/L	9.35	0.411	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
3,3'-Dichlorobenzidine	U	ug/L	4.67	0.710	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
3-Nitroaniline	U	ug/L	4.67	0.561	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
4,6-Dinitro-2-methylphenol	U	ug/L	9.35	0.598	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
4-Chloro-3-methylphenol	U	ug/L	4.67	0.561	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
4-Chloroaniline	U	ug/L	4.67	1.25	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
4-Chlorophenyl phenyl ether	U	ug/L	4.67	0.561	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Acenaphthene	U	ug/L	4.67	0.514	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Acenaphthylene	U	ug/L	4.67	0.430	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Acetophenone	U	ug/L	11.2	2.80	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Aniline	U	ug/L	4.67	1.42	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Anthracene	U	ug/L	4.67	0.579	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Atrazine	U	ug/L	11.2	1.87	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Benzaldehyde*	U	ug/L	11.2	3.74	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Benzidine	U	ug/L	18.7	5.53	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Benzo(a)anthracene	U	ug/L	4.67	0.748	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675005** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid

Sample ID: **GW 2** Date Collected: 5/7/2018 12:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Benzo(a)pyrene	U	ug/L	4.67	0.570	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Benzo(b)fluoranthene	U	ug/L	4.67	0.645	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Benzo(g,h,i)perylene	U	ug/L	4.67	0.579	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Benzo(k)fluoranthene	U	ug/L	4.67	0.748	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Benzyl alcohol	U	ug/L	4.67	0.290	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
4-Bromophenyl phenyl ether	U	ug/L	4.67	0.626	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Butyl benzyl phthalate	U	ug/L	4.67	0.561	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Caprolactam*	U	ug/L	46.7	23.4	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Carbazole	U	ug/L	4.67	0.589	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Chrysene	U	ug/L	1.87	0.467	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Di-n-butyl phthalate	U	ug/L	4.67	0.626	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Di-n-octyl phthalate	U	ug/L	4.67	0.467	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Dibenzo(a,h)anthracene	U	ug/L	4.67	0.617	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Dibenzofuran	U	ug/L	4.67	0.533	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Diethyl phthalate	U	ug/L	18.7	2.21	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Dimethyl phthalate	U	ug/L	4.67	0.458	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
2,4-Dimethylphenol	U	ug/L	4.67	0.813	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Fluoranthene	U	ug/L	4.67	0.561	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Fluorene	U	ug/L	4.67	0.607	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Hexachlorobenzene	U	ug/L	4.67	0.551	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Hexachlorobutadiene	U	ug/L	4.67	1.00	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Hexachlorocyclopentadiene	U	ug/L	9.35	0.720	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Hexachloroethane	U	ug/L	4.67	0.935	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Indeno(1,2,3-cd)pyrene	U	ug/L	4.67	0.682	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Isophorone	U	ug/L	4.67	0.449	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
N-Nitrosodi-n-propylamine	U	ug/L	4.67	0.579	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
N-Nitrosodiethylamine	U	ug/L	4.67	0.694	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
N-Nitrosodimethylamine	U	ug/L	4.67	0.701	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
N-Nitrosodiphenylamine	U	ug/L	4.67	0.411	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Naphthalene	U	ug/L	4.67	0.748	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
4-Nitroaniline	U	ug/L	9.35	0.505	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Nitrobenzene	U	ug/L	4.67	0.523	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
4-Nitrophenol	U	ug/L	4.67	0.299	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Pentachlorobenzene	U	ug/L	4.67	0.701	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Pentachlorophenol	U	ug/L	4.67	0.701	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Phenanthrene	U	ug/L	4.67	0.514	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Phenol	U	ug/L	4.67	0.159	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Pyrene	U	ug/L	4.67	0.589	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Pyridine	U	ug/L	18.7	2.44	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
bis[2-Chloroethoxy]methane	U	ug/L	4.67	0.393	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
bis[2-Chloroethyl]ether	U	ug/L	4.67	0.570	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
bis[2-Chloroisopropyl]ether	U	ug/L	4.67	0.720	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
bis[2-Ethylhexyl]phthalate	U	ug/L	4.67	1.87	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675005** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid

Sample ID: **GW 2** Date Collected: 5/7/2018 12:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
o-Toluidine	U	ug/L	4.67	1.34	1	5/14/2018 11:25	DB	5/14/2018 17:54	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (W)					Preparation Method: EPA 3510C Analytical Method: FL-PRO (GC)					
Florida Pro Total	0.615	mg/L	0.299	0.150	2	5/14/2018 11:24	DB	5/14/2018 20:15	VS	
o-Terphenyl (S)	60	%	50-150		2	5/14/2018 11:24	DB	5/14/2018 20:15	VS	
n-Triacontane-d62 (S)	69	%	50-150		2	5/14/2018 11:24	DB	5/14/2018 20:15	VS	
Analysis Desc: EPA 200.8 Total RCRA-8 Metals (W)					Preparation Method: EPA 200.2 mod. Analytical Method: EPA 200.8 (Total)					
Chromium	3.8	ug/L	2.0	0.27	4	5/9/2018 12:08	ZS	5/9/2018 17:10	ZS	
Arsenic	40	ug/L	2.0	0.65	4	5/9/2018 12:08	ZS	5/9/2018 17:10	ZS	
Selenium	U	ug/L	4.0	2.1	4	5/9/2018 12:08	ZS	5/9/2018 17:10	ZS	
Silver	U	ug/L	2.0	0.28	4	5/9/2018 12:08	ZS	5/9/2018 17:10	ZS	
Cadmium	U	ug/L	2.0	0.28	4	5/9/2018 12:08	ZS	5/9/2018 17:10	ZS	
Barium	89	ug/L	2.0	0.30	4	5/9/2018 12:08	ZS	5/9/2018 17:10	ZS	
Mercury	U	ug/L	2.0	0.73	4	5/9/2018 12:08	ZS	5/9/2018 17:10	ZS	
Lead	U	ug/L	2.0	0.12	4	5/9/2018 12:08	ZS	5/9/2018 17:10	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675006** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-4 - 0'-2'** Date Collected: 5/7/2018 12:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	102	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Toluene d8 (S)	99	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
4-Bromofluorobenzene (S)	98	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0018	0.00055	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,1,1-Trichloroethane	U	mg/Kg	0.0018	0.00050	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0018	0.00044	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,1,2-Trichloroethane	U	mg/Kg	0.0018	0.00046	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,1-Dichloroethane	U	mg/Kg	0.0018	0.00071	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,1-Dichloroethene	U	mg/Kg	0.0018	0.00082	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,1-Dichloropropene	U	mg/Kg	0.0018	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,2,3-Trichlorobenzene	U	mg/Kg	0.00091	0.00013	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,2,3-Trichloropropane	U	mg/Kg	0.0027	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0018	0.00020	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0018	0.00068	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,2-DBCP	U	mg/Kg	0.0018	0.00019	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0018	0.00044	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,2-Dichlorobenzene	U	mg/Kg	0.0018	0.00026	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,2-Dichloroethane	U	mg/Kg	0.0018	0.00076	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,2-Dichloropropane	U	mg/Kg	0.0018	0.00055	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0018	0.00019	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,3-Dichlorobenzene	U	mg/Kg	0.0018	0.00028	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,3-Dichloropropane	U	mg/Kg	0.0018	0.00041	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
1,4-Dichlorobenzene	U	mg/Kg	0.0018	0.00031	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
2,2-Dichloropropane	U	mg/Kg	0.0018	0.00048	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
2-Chlorotoluene	U	mg/Kg	0.0018	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
2-Hexanone	U	mg/Kg	0.0027	0.0010	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
4-Chlorotoluene	U	mg/Kg	0.0018	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
4-Isopropyltoluene	U	mg/Kg	0.0018	0.00022	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
4-methyl-2-pentanone	U	mg/Kg	0.0018	0.00049	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Acetone	0.101	mg/Kg	0.0091	0.0028	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Acrolein	U	mg/Kg	0.0091	0.0042	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Acrylonitrile	U	mg/Kg	0.018	0.0068	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Benzene	U	mg/Kg	0.0018	0.00042	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Bromobenzene	U	mg/Kg	0.0018	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675006** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-4 - 0'-2'** Date Collected: 5/7/2018 12:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0027	0.0010	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Bromodichloromethane	U	mg/Kg	0.0018	0.00033	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Bromoform	U	mg/Kg	0.0018	0.00068	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Bromomethane	U	mg/Kg	0.0027	0.0014	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Carbon disulfide	0.00095i	mg/Kg	0.0018	0.00066	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Carbon tetrachloride	U	mg/Kg	0.0018	0.00049	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Chlorobenzene	U	mg/Kg	0.0018	0.00039	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Chloroethane	U	mg/Kg	0.0018	0.00053	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Chloroform	U	mg/Kg	0.014	0.0060	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Chloromethane	U	mg/Kg	0.0018	0.00062	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Dibromochloromethane	U	mg/Kg	0.0018	0.00052	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Dibromomethane	U	mg/Kg	0.0018	0.0010	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Dichlorodifluoromethane	U	mg/Kg	0.0018	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
cis-1,3-Dichloropropene	U	mg/Kg	0.0018	0.00051	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Ethyl methacrylate	U	mg/Kg	0.0018	0.00033	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Ethylbenzene	U	mg/Kg	0.0018	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Hexachlorobutadiene	U	mg/Kg	0.0018	0.00020	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Iodomethane	U	mg/Kg	0.0018	0.00039	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0018	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Methyl ethyl ketone (MEK)	0.023	mg/Kg	0.0091	0.0013	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Methylene chloride	U	mg/Kg	0.0091	0.0046	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Naphthalene	U	mg/Kg	0.0091	0.0046	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Styrene	U	mg/Kg	0.0018	0.00028	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Tetrachloroethene	U	mg/Kg	0.0018	0.00041	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Toluene	U	mg/Kg	0.0018	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Trichloroethene	U	mg/Kg	0.0018	0.00071	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Trichlorofluoromethane	U	mg/Kg	0.0018	0.00068	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Vinyl acetate	U	mg/Kg	0.0018	0.00075	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Vinyl chloride	U	mg/Kg	0.0018	0.00089	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
Xylenes- Total	U	mg/Kg	0.0018	0.00090	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
cis-1,2-Dichloroethene	U	mg/Kg	0.0018	0.00040	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0018	0.00085	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
m & p-xylene	U	mg/Kg	0.0018	0.00058	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
n-Butylbenzene	U	mg/Kg	0.0018	0.00024	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
n-propylbenzene	U	mg/Kg	0.0018	0.00027	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
o-Xylene	U	mg/Kg	0.0018	0.00032	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
sec-Butylbenzene	U	mg/Kg	0.0018	0.00021	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.018	0.0064	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0027	0.0010	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
tert-Butylbenzene	U	mg/Kg	0.0018	0.00026	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
trans-1,2-Dichloroethene	U	mg/Kg	0.0018	0.00081	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	
trans-1,3-Dichloropropene	U	mg/Kg	0.0018	0.00040	1	5/17/2018 09:00	JSJ	5/17/2018 15:08	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675006** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-4 - 0'-2'** Date Collected: 5/7/2018 12:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8270C					
1,1'-Biphenyl	U	mg/Kg	0.994	0.166	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.166	0.066	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.166	0.076	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.166	0.078	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.166	0.061	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2-Fluorophenol (S)	30	%	25-120		1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
1,4-Dichlorobenzene	U	mg/Kg	0.166	0.066	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Phenol-d5 (S)	30	%	20-110		1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
1-Methylnaphthalene	U	mg/Kg	0.166	0.040	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Nitrobenzene-d5 (S)	30	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.166	0.055	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2-Fluorobiphenyl (S)	34	%	30-115		1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2,4,5-Trichlorophenol	U	mg/Kg	0.166	0.060	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2,4,6-Tribromophenol (S)	40	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.166	0.058	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
p-Terphenyl-d14 (S)	39	%	15-140		1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2,4-Dichlorophenol	U	mg/Kg	0.166	0.061	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2,4-Dinitrophenol	U	mg/Kg	0.166	0.166	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.166	0.048	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2,6-Dichlorophenol	U	mg/Kg	0.166	0.070	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.166	0.065	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2-Chloronaphthalene	U	mg/Kg	0.166	0.075	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2-Chlorophenol	U	mg/Kg	0.166	0.060	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2-Methylnaphthalene	U	mg/Kg	0.166	0.051	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2-Methylphenol	U	mg/Kg	0.166	0.051	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2-Nitroaniline	U	mg/Kg	0.166	0.050	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2-Nitrophenol	U	mg/Kg	0.166	0.086	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
3&4-Methylphenol	U	mg/Kg	0.331	0.058	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.166	0.046	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
3-Nitroaniline	U	mg/Kg	0.166	0.053	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.166	0.146	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.166	0.050	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
4-Chloroaniline	U	mg/Kg	0.166	0.073	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.166	0.040	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Acenaphthene	U	mg/Kg	0.166	0.048	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Acenaphthylene	U	mg/Kg	0.166	0.053	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Acetophenone	U	mg/Kg	0.994	0.166	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Aniline	U	mg/Kg	0.166	0.065	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Anthracene	U	mg/Kg	0.166	0.051	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675006** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-4 - 0'-2'** Date Collected: 5/7/2018 12:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	0.994	0.166	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Benzaldehyde*	U	mg/Kg	0.994	0.166	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Benzidine	U	mg/Kg	0.166	0.073	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Benzo(a)anthracene	0.077i	mg/Kg	0.166	0.051	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Benzo(a)pyrene	U	mg/Kg	0.166	0.040	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Benzo(b)fluoranthene	U	mg/Kg	0.166	0.040	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Benzo(g,h,i)perylene	U	mg/Kg	0.166	0.055	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Benzo(k)fluoranthene	U	mg/Kg	0.166	0.070	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Benzyl alcohol	U	mg/Kg	0.166	0.070	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.166	0.061	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Butyl benzyl phthalate	U	mg/Kg	0.331	0.109	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Caprolactam*	U	mg/Kg	4.14	2.07	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Carbazole	U	mg/Kg	0.166	0.053	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Chrysene	U	mg/Kg	0.166	0.023	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Di-n-butyl phthalate	U	mg/Kg	0.828	0.414	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Di-n-octyl phthalate	U	mg/Kg	0.166	0.060	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Dibenzo(a,h)anthracene	U	mg/Kg	0.166	0.033	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Dibenzofuran	U	mg/Kg	0.166	0.048	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Diethyl phthalate	U	mg/Kg	0.166	0.076	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Dimethyl phthalate	U	mg/Kg	0.166	0.041	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
2,4-Dimethylphenol	U	mg/Kg	0.166	0.078	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Fluoranthene	U	mg/Kg	0.166	0.043	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Fluorene	U	mg/Kg	0.166	0.033	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Hexachlorobenzene	U	mg/Kg	0.166	0.046	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Hexachlorobutadiene	U	mg/Kg	0.166	0.080	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.166	0.089	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Hexachloroethane	U	mg/Kg	0.166	0.068	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Indeno(1,2,3-cd)pyrene	U	mg/Kg	0.166	0.020	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Isophorone	U	mg/Kg	0.166	0.056	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.166	0.051	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.166	0.069	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.166	0.055	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.166	0.045	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Naphthalene	U	mg/Kg	0.166	0.058	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
4-Nitroaniline	U	mg/Kg	0.166	0.056	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Nitrobenzene	U	mg/Kg	0.166	0.066	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
4-Nitrophenol	U	mg/Kg	0.166	0.060	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Pentachlorobenzene	U	mg/Kg	0.166	0.048	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Pentachlorophenol	U	mg/Kg	0.166	0.088	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Phenanthrene	U	mg/Kg	0.166	0.045	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Phenol	U	mg/Kg	0.166	0.061	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Pyrene	0.080i	mg/Kg	0.166	0.038	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Pyridine	U	mg/Kg	0.331	0.134	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675006** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-4 - 0'-2'** Date Collected: 5/7/2018 12:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.166	0.061	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.166	0.068	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.166	0.061	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	1.66	0.828	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
o-Toluidine	U	mg/Kg	0.166	0.065	1	5/10/2018 09:40	DB	5/11/2018 21:22	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	80.6	%	0.1		1			5/10/2018 11:05	AMS	
Analysis Desc: Florida PRO by GC (S)						Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)				
o-Terphenyl (S)	105	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 15:51	VS	
n-Triacontane-d62 (S)	116	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 15:51	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)						Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)				
Florida Pro Total	194	mg/Kg	33.1	16.6	2	5/10/2018 09:37	DB	5/14/2018 15:51	VS	
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)						Preparation Method: EPA 3050B Analytical Method: EPA 6020				
Chromium	5.2	mg/Kg	1.4	0.27	2	5/9/2018 16:51	ZS	5/10/2018 15:32	ZS	
Arsenic	8.9	mg/Kg	0.62	0.10	2	5/9/2018 16:51	ZS	5/10/2018 15:32	ZS	
Selenium	U	mg/Kg	1.2	0.58	2	5/9/2018 16:51	ZS	5/10/2018 15:32	ZS	
Silver	U	mg/Kg	0.62	0.087	2	5/9/2018 16:51	ZS	5/10/2018 15:32	ZS	
Cadmium	U	mg/Kg	0.62	0.11	2	5/9/2018 16:51	ZS	5/10/2018 15:32	ZS	
Barium	17	mg/Kg	1.4	0.27	2	5/9/2018 16:51	ZS	5/10/2018 15:32	ZS	
Mercury	U	mg/Kg	0.76	0.15	2	5/9/2018 16:51	ZS	5/10/2018 15:32	ZS	
Lead	10	mg/Kg	0.62	0.097	2	5/9/2018 16:51	ZS	5/10/2018 15:32	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675007** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-5 - 0'-2'** Date Collected: 5/7/2018 12:35

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	100	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Toluene d8 (S)	96	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
4-Bromofluorobenzene (S)	110	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0018	0.00054	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,1,1-Trichloroethane	U	mg/Kg	0.0018	0.00050	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0018	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,1,2-Trichloroethane	U	mg/Kg	0.0018	0.00046	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,1-Dichloroethane	U	mg/Kg	0.0018	0.00071	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,1-Dichloroethene	U	mg/Kg	0.0018	0.00081	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,1-Dichloropropene	U	mg/Kg	0.0018	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,2,3-Trichlorobenzene	U	mg/Kg	0.00091	0.00013	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,2,3-Trichloropropane	U	mg/Kg	0.0027	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0018	0.00020	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0018	0.00068	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,2-DBCP	U	mg/Kg	0.0018	0.00019	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0018	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,2-Dichlorobenzene	U	mg/Kg	0.0018	0.00026	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,2-Dichloroethane	U	mg/Kg	0.0018	0.00076	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,2-Dichloropropane	U	mg/Kg	0.0018	0.00054	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0018	0.00019	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,3-Dichlorobenzene	U	mg/Kg	0.0018	0.00028	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,3-Dichloropropane	U	mg/Kg	0.0018	0.00041	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
1,4-Dichlorobenzene	U	mg/Kg	0.0018	0.00031	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
2,2-Dichloropropane	U	mg/Kg	0.0018	0.00048	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
2-Chlorotoluene	U	mg/Kg	0.0018	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
2-Hexanone	U	mg/Kg	0.0027	0.0010	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
4-Chlorotoluene	U	mg/Kg	0.0018	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
4-Isopropyltoluene	U	mg/Kg	0.0018	0.00022	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
4-methyl-2-pentanone	U	mg/Kg	0.0018	0.00049	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Acetone	0.049	mg/Kg	0.0091	0.0028	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Acrolein	U	mg/Kg	0.0091	0.0042	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Acrylonitrile	U	mg/Kg	0.018	0.0068	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Benzene	U	mg/Kg	0.0018	0.00042	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Bromobenzene	U	mg/Kg	0.0018	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675007** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-5 - 0'-2'** Date Collected: 5/7/2018 12:35

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0027	0.0010	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Bromodichloromethane	U	mg/Kg	0.0018	0.00033	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Bromoform	U	mg/Kg	0.0018	0.00068	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Bromomethane	U	mg/Kg	0.0027	0.0014	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Carbon disulfide	U	mg/Kg	0.0018	0.00065	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Carbon tetrachloride	U	mg/Kg	0.0018	0.00049	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Chlorobenzene	U	mg/Kg	0.0018	0.00039	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Chloroethane	U	mg/Kg	0.0018	0.00053	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Chloroform	U	mg/Kg	0.014	0.0060	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Chloromethane	U	mg/Kg	0.0018	0.00062	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Dibromochloromethane	U	mg/Kg	0.0018	0.00052	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Dibromomethane	U	mg/Kg	0.0018	0.0010	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Dichlorodifluoromethane	U	mg/Kg	0.0018	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
cis-1,3-Dichloropropene	U	mg/Kg	0.0018	0.00051	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Ethyl methacrylate	U	mg/Kg	0.0018	0.00033	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Ethylbenzene	U	mg/Kg	0.0018	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Hexachlorobutadiene	U	mg/Kg	0.0018	0.00020	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Iodomethane	U	mg/Kg	0.0018	0.00039	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0018	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Methyl ethyl ketone (MEK)	U	mg/Kg	0.0091	0.0013	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Methylene chloride	U	mg/Kg	0.0091	0.0045	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Naphthalene	U	mg/Kg	0.0091	0.0045	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Styrene	U	mg/Kg	0.0018	0.00028	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Tetrachloroethene	U	mg/Kg	0.0018	0.00041	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Toluene	U	mg/Kg	0.0018	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Trichloroethene	U	mg/Kg	0.0018	0.00071	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Trichlorofluoromethane	U	mg/Kg	0.0018	0.00068	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Vinyl acetate	U	mg/Kg	0.0018	0.00074	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Vinyl chloride	U	mg/Kg	0.0018	0.00089	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
Xylenes- Total	U	mg/Kg	0.0018	0.00090	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
cis-1,2-Dichloroethene	U	mg/Kg	0.0018	0.00040	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0018	0.00084	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
m & p-xylene	U	mg/Kg	0.0018	0.00058	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
n-Butylbenzene	U	mg/Kg	0.0018	0.00024	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
n-propylbenzene	U	mg/Kg	0.0018	0.00027	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
o-Xylene	U	mg/Kg	0.0018	0.00032	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
sec-Butylbenzene	U	mg/Kg	0.0018	0.00021	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.018	0.0064	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0027	0.0010	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
tert-Butylbenzene	U	mg/Kg	0.0018	0.00026	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
trans-1,2-Dichloroethene	U	mg/Kg	0.0018	0.00081	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	
trans-1,3-Dichloropropene	U	mg/Kg	0.0018	0.00040	1	5/17/2018 09:00	JSJ	5/17/2018 14:19	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID:	**1856675007**	Date Received:	5/8/2018 17:20	Matrix:	Soil/Solid
Sample ID:	**SB-5 - 0'-2'**	Date Collected:	5/7/2018 12:35		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8270C					
1,1'-Biphenyl	U	mg/Kg	0.719	0.120	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.120	0.048	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.120	0.055	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.120	0.056	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.120	0.044	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2-Fluorophenol (S)	39	%	25-120		1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
1,4-Dichlorobenzene	U	mg/Kg	0.120	0.048	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Phenol-d5 (S)	42	%	20-110		1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
1-Methylnaphthalene	U	mg/Kg	0.120	0.029	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Nitrobenzene-d5 (S)	39	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.120	0.040	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2-Fluorobiphenyl (S)	47	%	30-115		1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2,4,5-Trichlorophenol	U	mg/Kg	0.120	0.043	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2,4,6-Tribromophenol (S)	55	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.120	0.042	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
p-Terphenyl-d14 (S)	57	%	15-140		1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2,4-Dichlorophenol	U	mg/Kg	0.120	0.044	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2,4-Dinitrophenol	U	mg/Kg	0.120	0.120	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.120	0.035	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2,6-Dichlorophenol	U	mg/Kg	0.120	0.050	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.120	0.047	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2-Chloronaphthalene	U	mg/Kg	0.120	0.054	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2-Chlorophenol	U	mg/Kg	0.120	0.043	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2-Methylnaphthalene	U	mg/Kg	0.120	0.037	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2-Methylphenol	U	mg/Kg	0.120	0.037	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2-Nitroaniline	U	mg/Kg	0.120	0.036	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2-Nitrophenol	U	mg/Kg	0.120	0.062	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
3&4-Methylphenol	U	mg/Kg	0.240	0.042	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.120	0.034	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
3-Nitroaniline	U	mg/Kg	0.120	0.038	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.120	0.105	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.120	0.036	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
4-Chloroaniline	U	mg/Kg	0.120	0.053	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.120	0.029	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Acenaphthene	U	mg/Kg	0.120	0.035	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Acenaphthylene	U	mg/Kg	0.120	0.038	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Acetophenone	U	mg/Kg	0.719	0.120	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Aniline	U	mg/Kg	0.120	0.047	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Anthracene	U	mg/Kg	0.120	0.037	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675007** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-5 - 0'-2'** Date Collected: 5/7/2018 12:35

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	0.719	0.120	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Benzaldehyde*	U	mg/Kg	0.719	0.120	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Benzidine	U	mg/Kg	0.120	0.053	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Benzo(a)anthracene	0.087i	mg/Kg	0.120	0.037	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Benzo(a)pyrene	0.143	mg/Kg	0.120	0.029	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Benzo(b)fluoranthene	0.154	mg/Kg	0.120	0.029	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Benzo(g,h,i)perylene	0.126	mg/Kg	0.120	0.040	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Benzo(k)fluoranthene	0.065i	mg/Kg	0.120	0.050	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Benzyl alcohol	U	mg/Kg	0.120	0.050	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.120	0.044	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Butyl benzyl phthalate	U	mg/Kg	0.240	0.079	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Caprolactam*	U	mg/Kg	2.99	1.50	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Carbazole	U	mg/Kg	0.120	0.038	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Chrysene	0.063i	mg/Kg	0.120	0.017	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Di-n-butyl phthalate	U	mg/Kg	0.599	0.299	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Di-n-octyl phthalate	U	mg/Kg	0.120	0.043	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Dibenzo(a,h)anthracene	U	mg/Kg	0.120	0.024	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Dibenzofuran	U	mg/Kg	0.120	0.035	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Diethyl phthalate	U	mg/Kg	0.120	0.055	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Dimethyl phthalate	U	mg/Kg	0.120	0.030	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
2,4-Dimethylphenol	U	mg/Kg	0.120	0.056	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Fluoranthene	0.117i	mg/Kg	0.120	0.031	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Fluorene	U	mg/Kg	0.120	0.024	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Hexachlorobenzene	U	mg/Kg	0.120	0.034	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Hexachlorobutadiene	U	mg/Kg	0.120	0.057	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.120	0.065	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Hexachloroethane	U	mg/Kg	0.120	0.049	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Indeno(1,2,3-cd)pyrene	0.148	mg/Kg	0.120	0.014	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Isophorone	U	mg/Kg	0.120	0.041	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.120	0.037	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.120	0.050	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.120	0.040	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.120	0.032	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Naphthalene	U	mg/Kg	0.120	0.042	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
4-Nitroaniline	U	mg/Kg	0.120	0.041	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Nitrobenzene	U	mg/Kg	0.120	0.048	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
4-Nitrophenol	U	mg/Kg	0.120	0.043	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Pentachlorobenzene	U	mg/Kg	0.120	0.035	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Pentachlorophenol	U	mg/Kg	0.120	0.063	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Phenanthrene	U	mg/Kg	0.120	0.032	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Phenol	U	mg/Kg	0.120	0.044	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Pyrene	0.097i	mg/Kg	0.120	0.028	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Pyridine	U	mg/Kg	0.240	0.097	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675007** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-5 - 0'-2'** Date Collected: 5/7/2018 12:35

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.120	0.044	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.120	0.049	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.120	0.044	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	1.20	0.599	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
o-Toluidine	U	mg/Kg	0.120	0.047	1	5/10/2018 09:40	DB	5/11/2018 21:56	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	93.8	%	0.1		1			5/10/2018 11:05	AMS	
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
o-Terphenyl (S)	87	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 16:29	VS	
n-Triacontane-d62 (S)	95	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 16:29	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
Florida Pro Total	86.4	mg/Kg	24.0	12.0	2	5/10/2018 09:37	DB	5/14/2018 16:29	VS	
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)					Preparation Method: EPA 3050B Analytical Method: EPA 6020					
Chromium	6.8	mg/Kg	1.2	0.23	2	5/9/2018 16:51	ZS	5/10/2018 15:36	ZS	
Arsenic	1.9	mg/Kg	0.53	0.087	2	5/9/2018 16:51	ZS	5/10/2018 15:36	ZS	
Selenium	U	mg/Kg	1.1	0.50	2	5/9/2018 16:51	ZS	5/10/2018 15:36	ZS	
Silver	U	mg/Kg	0.53	0.075	2	5/9/2018 16:51	ZS	5/10/2018 15:36	ZS	
Cadmium	U	mg/Kg	0.53	0.098	2	5/9/2018 16:51	ZS	5/10/2018 15:36	ZS	
Barium	9.1	mg/Kg	1.2	0.23	2	5/9/2018 16:51	ZS	5/10/2018 15:36	ZS	
Mercury	U	mg/Kg	0.65	0.13	2	5/9/2018 16:51	ZS	5/10/2018 15:36	ZS	
Lead	23	mg/Kg	0.53	0.083	2	5/9/2018 16:51	ZS	5/10/2018 15:36	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675008** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-6 - 2'-4'** Date Collected: 5/7/2018 12:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	87	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Toluene d8 (S)	96	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
4-Bromofluorobenzene (S)	101	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0019	0.00058	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,1,1-Trichloroethane	U	mg/Kg	0.0019	0.00054	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0019	0.00047	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,1,2-Trichloroethane	U	mg/Kg	0.0019	0.00050	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,1-Dichloroethane	U	mg/Kg	0.0019	0.00076	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,1-Dichloroethene	U	mg/Kg	0.0019	0.00088	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,1-Dichloropropene	U	mg/Kg	0.0019	0.00046	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,2,3-Trichlorobenzene	U	mg/Kg	0.00097	0.00014	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,2,3-Trichloropropane	U	mg/Kg	0.0029	0.0012	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0019	0.00021	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0019	0.00073	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,2-DBCP	U	mg/Kg	0.0019	0.00020	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0019	0.00047	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,2-Dichlorobenzene	U	mg/Kg	0.0019	0.00028	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,2-Dichloroethane	U	mg/Kg	0.0019	0.00082	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,2-Dichloropropane	U	mg/Kg	0.0019	0.00058	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0019	0.00020	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,3-Dichlorobenzene	U	mg/Kg	0.0019	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,3-Dichloropropane	U	mg/Kg	0.0019	0.00044	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
1,4-Dichlorobenzene	U	mg/Kg	0.0019	0.00033	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
2,2-Dichloropropane	U	mg/Kg	0.0019	0.00052	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
2-Chlorotoluene	U	mg/Kg	0.0019	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
2-Hexanone	U	mg/Kg	0.0029	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
4-Chlorotoluene	U	mg/Kg	0.0019	0.00031	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
4-Isopropyltoluene	U	mg/Kg	0.0019	0.00023	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
4-methyl-2-pentanone	U	mg/Kg	0.0019	0.00053	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Acetone	0.162	mg/Kg	0.0097	0.0030	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Acrolein	U	mg/Kg	0.0097	0.0045	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Acrylonitrile	U	mg/Kg	0.019	0.0073	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Benzene	U	mg/Kg	0.0019	0.00045	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Bromobenzene	U	mg/Kg	0.0019	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675008** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-6 - 2'-4'** Date Collected: 5/7/2018 12:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0029	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Bromodichloromethane	U	mg/Kg	0.0019	0.00035	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Bromoform	U	mg/Kg	0.0019	0.00073	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Bromomethane	U	mg/Kg	0.0029	0.0015	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Carbon disulfide	U	mg/Kg	0.0019	0.00070	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Carbon tetrachloride	U	mg/Kg	0.0019	0.00053	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Chlorobenzene	U	mg/Kg	0.0019	0.00042	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Chloroethane	U	mg/Kg	0.0019	0.00056	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Chloroform	U	mg/Kg	0.015	0.0064	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Chloromethane	U	mg/Kg	0.0019	0.00066	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Dibromochloromethane	U	mg/Kg	0.0019	0.00055	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Dibromomethane	U	mg/Kg	0.0019	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Dichlorodifluoromethane	U	mg/Kg	0.0019	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
cis-1,3-Dichloropropene	U	mg/Kg	0.0019	0.00054	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Ethyl methacrylate	U	mg/Kg	0.0019	0.00035	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Ethylbenzene	U	mg/Kg	0.0019	0.00032	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Hexachlorobutadiene	U	mg/Kg	0.0019	0.00021	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Iodomethane	U	mg/Kg	0.0019	0.00042	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0019	0.00032	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Methyl ethyl ketone (MEK)	0.028	mg/Kg	0.0097	0.0014	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Methylene chloride	U	mg/Kg	0.0097	0.0049	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Naphthalene	U	mg/Kg	0.0097	0.0049	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Styrene	U	mg/Kg	0.0019	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Tetrachloroethene	U	mg/Kg	0.0019	0.00044	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Toluene	U	mg/Kg	0.0019	0.00039	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Trichloroethene	U	mg/Kg	0.0019	0.00076	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Trichlorofluoromethane	U	mg/Kg	0.0019	0.00073	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Vinyl acetate	U	mg/Kg	0.0019	0.00080	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Vinyl chloride	U	mg/Kg	0.0019	0.00095	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
Xylenes- Total	U	mg/Kg	0.0019	0.00096	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
cis-1,2-Dichloroethene	U	mg/Kg	0.0019	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0019	0.00091	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
m & p-xylene	U	mg/Kg	0.0019	0.00062	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
n-Butylbenzene	U	mg/Kg	0.0019	0.00025	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
n-propylbenzene	U	mg/Kg	0.0019	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
o-Xylene	U	mg/Kg	0.0019	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
sec-Butylbenzene	U	mg/Kg	0.0019	0.00022	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.019	0.0069	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0029	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
tert-Butylbenzene	U	mg/Kg	0.0019	0.00028	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
trans-1,2-Dichloroethene	U	mg/Kg	0.0019	0.00087	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	
trans-1,3-Dichloropropene	U	mg/Kg	0.0019	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 15:58	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675008** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-6 - 2'-4'** Date Collected: 5/7/2018 12:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8270C					
1,1'-Biphenyl	U	mg/Kg	0.852	0.142	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.142	0.057	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.142	0.065	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.142	0.067	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2-Fluorophenol (S)	35	%	25-120		1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
1,4-Dichlorobenzene	U	mg/Kg	0.142	0.057	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Phenol-d5 (S)	39	%	20-110		1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
1-Methylnaphthalene	U	mg/Kg	0.142	0.034	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Nitrobenzene-d5 (S)	40	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.142	0.047	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2-Fluorobiphenyl (S)	45	%	30-115		1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2,4,5-Trichlorophenol	U	mg/Kg	0.142	0.051	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2,4,6-Tribromophenol (S)	36	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.142	0.050	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
p-Terphenyl-d14 (S)	55	%	15-140		1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2,4-Dichlorophenol	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2,4-Dinitrophenol	U	mg/Kg	0.142	0.142	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.142	0.041	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2,6-Dichlorophenol	U	mg/Kg	0.142	0.060	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.142	0.055	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2-Chloronaphthalene	U	mg/Kg	0.142	0.064	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2-Chlorophenol	U	mg/Kg	0.142	0.051	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2-Methylnaphthalene	U	mg/Kg	0.142	0.044	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2-Methylphenol	U	mg/Kg	0.142	0.044	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2-Nitroaniline	U	mg/Kg	0.142	0.043	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2-Nitrophenol	U	mg/Kg	0.142	0.074	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
3&4-Methylphenol	U	mg/Kg	0.284	0.050	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.142	0.040	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
3-Nitroaniline	U	mg/Kg	0.142	0.045	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.142	0.125	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.142	0.043	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
4-Chloroaniline	U	mg/Kg	0.142	0.062	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.142	0.034	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Acenaphthene	U	mg/Kg	0.142	0.041	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Acenaphthylene	U	mg/Kg	0.142	0.045	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Acetophenone	U	mg/Kg	0.852	0.142	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Aniline	U	mg/Kg	0.142	0.055	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Anthracene	U	mg/Kg	0.142	0.044	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675008** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-6 - 2'-4'** Date Collected: 5/7/2018 12:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	0.852	0.142	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Benzaldehyde*	U	mg/Kg	0.852	0.142	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Benzidine	U	mg/Kg	0.142	0.062	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Benzo(a)anthracene	0.192	mg/Kg	0.142	0.044	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Benzo(a)pyrene	0.229	mg/Kg	0.142	0.034	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Benzo(b)fluoranthene	0.273	mg/Kg	0.142	0.034	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Benzo(g,h,i)perylene	0.173	mg/Kg	0.142	0.047	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Benzo(k)fluoranthene	0.114i	mg/Kg	0.142	0.060	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Benzyl alcohol	U	mg/Kg	0.142	0.060	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Butyl benzyl phthalate	U	mg/Kg	0.284	0.094	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Caprolactam*	U	mg/Kg	3.55	1.77	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Carbazole	U	mg/Kg	0.142	0.045	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Chrysene	0.155	mg/Kg	0.142	0.020	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Di-n-butyl phthalate	U	mg/Kg	0.710	0.355	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Di-n-octyl phthalate	U	mg/Kg	0.142	0.051	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Dibenzo(a,h)anthracene	U	mg/Kg	0.142	0.028	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Dibenzofuran	U	mg/Kg	0.142	0.041	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Diethyl phthalate	U	mg/Kg	0.142	0.065	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Dimethyl phthalate	U	mg/Kg	0.142	0.035	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
2,4-Dimethylphenol	U	mg/Kg	0.142	0.067	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Fluoranthene	0.349	mg/Kg	0.142	0.037	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Fluorene	U	mg/Kg	0.142	0.028	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Hexachlorobenzene	U	mg/Kg	0.142	0.040	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Hexachlorobutadiene	U	mg/Kg	0.142	0.068	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.142	0.077	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Hexachloroethane	U	mg/Kg	0.142	0.058	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Indeno(1,2,3-cd)pyrene	0.218	mg/Kg	0.142	0.017	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Isophorone	U	mg/Kg	0.142	0.048	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.142	0.044	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.142	0.059	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.142	0.047	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.142	0.038	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Naphthalene	U	mg/Kg	0.142	0.050	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
4-Nitroaniline	U	mg/Kg	0.142	0.048	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Nitrobenzene	U	mg/Kg	0.142	0.057	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
4-Nitrophenol	U	mg/Kg	0.142	0.051	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Pentachlorobenzene	U	mg/Kg	0.142	0.041	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Pentachlorophenol	U	mg/Kg	0.142	0.075	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Phenanthrene	0.160	mg/Kg	0.142	0.038	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Phenol	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Pyrene	0.298	mg/Kg	0.142	0.033	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Pyridine	U	mg/Kg	0.284	0.115	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675008** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-6 - 2'-4'** Date Collected: 5/7/2018 12:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.142	0.058	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.142	0.053	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	1.42	0.710	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
o-Toluidine	U	mg/Kg	0.142	0.055	1	5/10/2018 09:40	DB	5/11/2018 22:30	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	89.2	%	0.1		1			5/10/2018 11:05	AMS	
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
o-Terphenyl (S)	101	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 17:06	VS	
n-Triacontane-d62 (S)	111	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 17:06	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
Florida Pro Total	751	mg/Kg	28.4	14.2	2	5/10/2018 09:37	DB	5/14/2018 17:06	VS	
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)					Preparation Method: EPA 3050B Analytical Method: EPA 6020					
Chromium	10	mg/Kg	1.2	0.24	2	5/9/2018 16:51	ZS	5/10/2018 15:41	ZS	
Arsenic	2.6	mg/Kg	0.56	0.092	2	5/9/2018 16:51	ZS	5/10/2018 15:41	ZS	
Selenium	U	mg/Kg	1.1	0.52	2	5/9/2018 16:51	ZS	5/10/2018 15:41	ZS	
Silver	U	mg/Kg	0.56	0.078	2	5/9/2018 16:51	ZS	5/10/2018 15:41	ZS	
Cadmium	U	mg/Kg	0.56	0.10	2	5/9/2018 16:51	ZS	5/10/2018 15:41	ZS	
Barium	37	mg/Kg	1.2	0.25	2	5/9/2018 16:51	ZS	5/10/2018 15:41	ZS	
Mercury	U	mg/Kg	0.68	0.14	2	5/9/2018 16:51	ZS	5/10/2018 15:41	ZS	
Lead	8.8	mg/Kg	0.56	0.087	2	5/9/2018 16:51	ZS	5/10/2018 15:41	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID:	**1856675009**	Date Received:	5/8/2018 17:20	Matrix:	Soil/Solid
Sample ID:	**SB-7 - 2'-4'**	Date Collected:	5/7/2018 13:10		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	107	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Toluene d8 (S)	100	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
4-Bromofluorobenzene (S)	102	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0020	0.00060	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,1,1-Trichloroethane	U	mg/Kg	0.0020	0.00055	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0020	0.00048	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,1,2-Trichloroethane	U	mg/Kg	0.0020	0.00051	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,1-Dichloroethane	U	mg/Kg	0.0020	0.00078	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,1-Dichloroethene	U	mg/Kg	0.0020	0.00090	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,1-Dichloropropene	U	mg/Kg	0.0020	0.00047	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,2,3-Trichlorobenzene	U	mg/Kg	0.0010	0.00014	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,2,3-Trichloropropane	U	mg/Kg	0.0030	0.0012	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0020	0.00022	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0020	0.00075	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,2-DBCP	U	mg/Kg	0.0020	0.00021	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0020	0.00048	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,2-Dichlorobenzene	U	mg/Kg	0.0020	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,2-Dichloroethane	U	mg/Kg	0.0020	0.00084	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,2-Dichloropropane	U	mg/Kg	0.0020	0.00060	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0020	0.00021	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,3-Dichlorobenzene	U	mg/Kg	0.0020	0.00031	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,3-Dichloropropane	U	mg/Kg	0.0020	0.00045	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
1,4-Dichlorobenzene	U	mg/Kg	0.0020	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
2,2-Dichloropropane	U	mg/Kg	0.0020	0.00053	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
2-Chlorotoluene	U	mg/Kg	0.0020	0.00037	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
2-Hexanone	U	mg/Kg	0.0030	0.0012	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
4-Chlorotoluene	U	mg/Kg	0.0020	0.00032	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
4-Isopropyltoluene	U	mg/Kg	0.0020	0.00024	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
4-methyl-2-pentanone	U	mg/Kg	0.0020	0.00054	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Acetone	U	mg/Kg	0.010	0.0031	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Acrolein	U	mg/Kg	0.010	0.0047	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Acrylonitrile	U	mg/Kg	0.020	0.0075	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Benzene	U	mg/Kg	0.0020	0.00046	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Bromobenzene	U	mg/Kg	0.0020	0.00037	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675009** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-7 - 2'-4'** Date Collected: 5/7/2018 13:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0030	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Bromodichloromethane	U	mg/Kg	0.0020	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Bromoform	U	mg/Kg	0.0020	0.00075	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Bromomethane	U	mg/Kg	0.0030	0.0015	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Carbon disulfide	U	mg/Kg	0.0020	0.00072	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Carbon tetrachloride	U	mg/Kg	0.0020	0.00054	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Chlorobenzene	U	mg/Kg	0.0020	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Chloroethane	U	mg/Kg	0.0020	0.00058	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Chloroform	U	mg/Kg	0.015	0.0066	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Chloromethane	U	mg/Kg	0.0020	0.00068	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Dibromochloromethane	U	mg/Kg	0.0020	0.00057	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Dibromomethane	U	mg/Kg	0.0020	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Dichlorodifluoromethane	U	mg/Kg	0.0020	0.00037	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
cis-1,3-Dichloropropene	U	mg/Kg	0.0020	0.00056	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Ethyl methacrylate	U	mg/Kg	0.0020	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Ethylbenzene	U	mg/Kg	0.0020	0.00033	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Hexachlorobutadiene	U	mg/Kg	0.0020	0.00022	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Iodomethane	U	mg/Kg	0.0020	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0020	0.00033	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Methyl ethyl ketone (MEK)	U	mg/Kg	0.010	0.0015	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Methylene chloride	U	mg/Kg	0.010	0.0050	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Naphthalene	U	mg/Kg	0.010	0.0050	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Styrene	U	mg/Kg	0.0020	0.00031	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Tetrachloroethene	U	mg/Kg	0.0020	0.00045	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Toluene	U	mg/Kg	0.0020	0.00040	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Trichloroethene	U	mg/Kg	0.0020	0.00078	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Trichlorofluoromethane	U	mg/Kg	0.0020	0.00075	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Vinyl acetate	U	mg/Kg	0.0020	0.00082	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Vinyl chloride	U	mg/Kg	0.0020	0.00098	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
Xylenes- Total	U	mg/Kg	0.0020	0.00099	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
cis-1,2-Dichloroethene	U	mg/Kg	0.0020	0.00044	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0020	0.00093	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
m & p-xylene	U	mg/Kg	0.0020	0.00064	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
n-Butylbenzene	U	mg/Kg	0.0020	0.00026	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
n-propylbenzene	U	mg/Kg	0.0020	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
o-Xylene	U	mg/Kg	0.0020	0.00035	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
sec-Butylbenzene	U	mg/Kg	0.0020	0.00023	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.020	0.0071	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0030	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
tert-Butylbenzene	U	mg/Kg	0.0020	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
trans-1,2-Dichloroethene	U	mg/Kg	0.0020	0.00089	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	
trans-1,3-Dichloropropene	U	mg/Kg	0.0020	0.00044	1	5/17/2018 09:00	JSJ	5/17/2018 16:22	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675009** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-7 - 2'-4'** Date Collected: 5/7/2018 13:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8270C					
1,1'-Biphenyl	U	mg/Kg	0.975	0.162	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.162	0.065	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.162	0.075	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.162	0.076	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.162	0.060	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2-Fluorophenol (S)	20	%	25-120		1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	J2
1,4-Dichlorobenzene	U	mg/Kg	0.162	0.065	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Phenol-d5 (S)	20	%	20-110		1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
1-Methylnaphthalene	U	mg/Kg	0.162	0.039	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Nitrobenzene-d5 (S)	22	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.162	0.054	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2-Fluorobiphenyl (S)	26	%	30-115		1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	J2
2,4,5-Trichlorophenol	U	mg/Kg	0.162	0.058	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2,4,6-Tribromophenol (S)	30	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.162	0.057	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
p-Terphenyl-d14 (S)	31	%	15-140		1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2,4-Dichlorophenol	U	mg/Kg	0.162	0.060	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2,4-Dinitrophenol	U	mg/Kg	0.162	0.162	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.162	0.047	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2,6-Dichlorophenol	U	mg/Kg	0.162	0.068	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.162	0.063	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2-Chloronaphthalene	U	mg/Kg	0.162	0.073	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2-Chlorophenol	U	mg/Kg	0.162	0.058	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2-Methylnaphthalene	U	mg/Kg	0.162	0.050	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2-Methylphenol	U	mg/Kg	0.162	0.050	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2-Nitroaniline	U	mg/Kg	0.162	0.049	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2-Nitrophenol	U	mg/Kg	0.162	0.084	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
3&4-Methylphenol	U	mg/Kg	0.325	0.057	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.162	0.045	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
3-Nitroaniline	U	mg/Kg	0.162	0.052	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.162	0.143	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.162	0.049	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
4-Chloroaniline	U	mg/Kg	0.162	0.071	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.162	0.039	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Acenaphthene	U	mg/Kg	0.162	0.047	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Acenaphthylene	U	mg/Kg	0.162	0.052	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Acetophenone	U	mg/Kg	0.975	0.162	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Aniline	U	mg/Kg	0.162	0.063	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Anthracene	U	mg/Kg	0.162	0.050	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675009** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-7 - 2'-4'** Date Collected: 5/7/2018 13:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	0.975	0.162	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Benzaldehyde*	U	mg/Kg	0.975	0.162	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Benzidine	U	mg/Kg	0.162	0.071	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Benzo(a)anthracene	0.178	mg/Kg	0.162	0.050	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Benzo(a)pyrene	0.273	mg/Kg	0.162	0.039	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Benzo(b)fluoranthene	0.356	mg/Kg	0.162	0.039	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Benzo(g,h,i)perylene	0.240	mg/Kg	0.162	0.054	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Benzo(k)fluoranthene	0.143i	mg/Kg	0.162	0.068	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Benzyl alcohol	U	mg/Kg	0.162	0.068	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.162	0.060	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Butyl benzyl phthalate	U	mg/Kg	0.325	0.107	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Caprolactam*	U	mg/Kg	4.06	2.03	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Carbazole	U	mg/Kg	0.162	0.052	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Chrysene	0.186	mg/Kg	0.162	0.023	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Di-n-butyl phthalate	U	mg/Kg	0.812	0.406	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Di-n-octyl phthalate	U	mg/Kg	0.162	0.058	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Dibenzo(a,h)anthracene	U	mg/Kg	0.162	0.032	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Dibenzofuran	U	mg/Kg	0.162	0.047	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Diethyl phthalate	U	mg/Kg	0.162	0.075	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Dimethyl phthalate	U	mg/Kg	0.162	0.041	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
2,4-Dimethylphenol	U	mg/Kg	0.162	0.076	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Fluoranthene	0.303	mg/Kg	0.162	0.042	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Fluorene	U	mg/Kg	0.162	0.032	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Hexachlorobenzene	U	mg/Kg	0.162	0.045	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Hexachlorobutadiene	U	mg/Kg	0.162	0.078	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.162	0.088	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Hexachloroethane	U	mg/Kg	0.162	0.067	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Indeno(1,2,3-cd)pyrene	0.291	mg/Kg	0.162	0.019	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Isophorone	U	mg/Kg	0.162	0.055	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.162	0.050	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.162	0.067	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.162	0.054	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.162	0.044	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Naphthalene	U	mg/Kg	0.162	0.057	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
4-Nitroaniline	U	mg/Kg	0.162	0.055	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Nitrobenzene	U	mg/Kg	0.162	0.065	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
4-Nitrophenol	U	mg/Kg	0.162	0.058	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Pentachlorobenzene	U	mg/Kg	0.162	0.047	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Pentachlorophenol	U	mg/Kg	0.162	0.086	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Phenanthrene	U	mg/Kg	0.162	0.044	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Phenol	U	mg/Kg	0.162	0.060	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Pyrene	0.231	mg/Kg	0.162	0.037	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Pyridine	U	mg/Kg	0.325	0.132	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675009** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-7 - 2'-4'** Date Collected: 5/7/2018 13:10

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.162	0.060	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.162	0.067	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.162	0.060	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	1.62	0.812	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
o-Toluidine	U	mg/Kg	0.162	0.063	1	5/10/2018 09:40	DB	5/11/2018 23:03	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	87.1	%	0.1		1			5/10/2018 11:05	AMS	
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
o-Terphenyl (S)	87	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 17:06	VS	
n-Triacontane-d62 (S)	103	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 17:06	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
Florida Pro Total	212	mg/Kg	32.5	16.2	2	5/10/2018 09:37	DB	5/14/2018 17:06	VS	
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)					Preparation Method: EPA 3050B Analytical Method: EPA 6020					
Chromium	13	mg/Kg	1.3	0.25	2	5/9/2018 16:51	ZS	5/10/2018 15:46	ZS	
Arsenic	4.5	mg/Kg	0.57	0.094	2	5/9/2018 16:51	ZS	5/10/2018 15:46	ZS	
Selenium	U	mg/Kg	1.1	0.54	2	5/9/2018 16:51	ZS	5/10/2018 15:46	ZS	
Silver	U	mg/Kg	0.57	0.080	2	5/9/2018 16:51	ZS	5/10/2018 15:46	ZS	
Cadmium	U	mg/Kg	0.57	0.11	2	5/9/2018 16:51	ZS	5/10/2018 15:46	ZS	
Barium	24	mg/Kg	1.3	0.25	2	5/9/2018 16:51	ZS	5/10/2018 15:46	ZS	
Mercury	U	mg/Kg	0.70	0.14	2	5/9/2018 16:51	ZS	5/10/2018 15:46	ZS	
Lead	18	mg/Kg	0.57	0.090	2	5/9/2018 16:51	ZS	5/10/2018 15:46	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID:	**1856675010**	Date Received:	5/8/2018 17:20	Matrix:	Soil/Solid
Sample ID:	**SB-8 - 4'-6'**	Date Collected:	5/7/2018 13:30		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	102	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Toluene d8 (S)	101	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
4-Bromofluorobenzene (S)	89	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0022	0.00066	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,1,1-Trichloroethane	U	mg/Kg	0.0022	0.00060	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0022	0.00053	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,1,2-Trichloroethane	U	mg/Kg	0.0022	0.00056	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,1-Dichloroethane	U	mg/Kg	0.0022	0.00086	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,1-Dichloroethene	U	mg/Kg	0.0022	0.00099	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,1-Dichloropropene	U	mg/Kg	0.0022	0.00052	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,2,3-Trichlorobenzene	U	mg/Kg	0.0011	0.00015	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,2,3-Trichloropropane	U	mg/Kg	0.0033	0.0013	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0022	0.00024	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0022	0.00082	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,2-DBCP	U	mg/Kg	0.0022	0.00023	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0022	0.00053	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,2-Dichlorobenzene	U	mg/Kg	0.0022	0.00032	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,2-Dichloroethane	U	mg/Kg	0.0022	0.00092	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,2-Dichloropropane	U	mg/Kg	0.0022	0.00066	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0022	0.00023	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,3-Dichlorobenzene	U	mg/Kg	0.0022	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,3-Dichloropropane	U	mg/Kg	0.0022	0.00049	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
1,4-Dichlorobenzene	U	mg/Kg	0.0022	0.00037	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
2,2-Dichloropropane	U	mg/Kg	0.0022	0.00058	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
2-Chlorotoluene	U	mg/Kg	0.0022	0.00041	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
2-Hexanone	U	mg/Kg	0.0033	0.0013	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
4-Chlorotoluene	U	mg/Kg	0.0022	0.00035	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
4-Isopropyltoluene	U	mg/Kg	0.0022	0.00026	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
4-methyl-2-pentanone	U	mg/Kg	0.0022	0.00059	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Acetone	0.037	mg/Kg	0.011	0.0034	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Acrolein	U	mg/Kg	0.011	0.0051	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Acrylonitrile	U	mg/Kg	0.022	0.0083	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Benzene	U	mg/Kg	0.0022	0.00051	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Bromobenzene	U	mg/Kg	0.0022	0.00041	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675010** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-8 - 4'-6'** Date Collected: 5/7/2018 13:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0033	0.0012	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Bromodichloromethane	U	mg/Kg	0.0022	0.00040	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Bromoform	U	mg/Kg	0.0022	0.00082	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Bromomethane	U	mg/Kg	0.0033	0.0016	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Carbon disulfide	U	mg/Kg	0.0022	0.00079	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Carbon tetrachloride	U	mg/Kg	0.0022	0.00059	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Chlorobenzene	U	mg/Kg	0.0022	0.00047	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Chloroethane	U	mg/Kg	0.0022	0.00064	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Chloroform	U	mg/Kg	0.016	0.0073	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Chloromethane	U	mg/Kg	0.0022	0.00075	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Dibromochloromethane	U	mg/Kg	0.0022	0.00063	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Dibromomethane	U	mg/Kg	0.0022	0.0013	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Dichlorodifluoromethane	U	mg/Kg	0.0022	0.00041	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
cis-1,3-Dichloropropene	U	mg/Kg	0.0022	0.00062	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Ethyl methacrylate	U	mg/Kg	0.0022	0.00040	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Ethylbenzene	U	mg/Kg	0.0022	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Hexachlorobutadiene	U	mg/Kg	0.0022	0.00024	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Iodomethane	U	mg/Kg	0.0022	0.00047	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0022	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Methyl ethyl ketone (MEK)	U	mg/Kg	0.011	0.0016	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Methylene chloride	0.030	mg/Kg	0.011	0.0055	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Naphthalene	U	mg/Kg	0.011	0.0055	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Styrene	U	mg/Kg	0.0022	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Tetrachloroethene	U	mg/Kg	0.0022	0.00049	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Toluene	U	mg/Kg	0.0022	0.00044	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Trichloroethene	U	mg/Kg	0.0022	0.00086	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Trichlorofluoromethane	U	mg/Kg	0.0022	0.00082	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Vinyl acetate	U	mg/Kg	0.0022	0.00090	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Vinyl chloride	U	mg/Kg	0.0022	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
Xylenes- Total	U	mg/Kg	0.0022	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
cis-1,2-Dichloroethene	U	mg/Kg	0.0022	0.00048	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0022	0.0010	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
m & p-xylene	U	mg/Kg	0.0022	0.00070	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
n-Butylbenzene	U	mg/Kg	0.0022	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
n-propylbenzene	U	mg/Kg	0.0022	0.00033	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
o-Xylene	U	mg/Kg	0.0022	0.00038	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
sec-Butylbenzene	U	mg/Kg	0.0022	0.00025	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.022	0.0078	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0033	0.0012	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
tert-Butylbenzene	U	mg/Kg	0.0022	0.00032	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
trans-1,2-Dichloroethene	U	mg/Kg	0.0022	0.00098	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	
trans-1,3-Dichloropropene	U	mg/Kg	0.0022	0.00048	1	5/17/2018 09:00	JSJ	5/17/2018 13:55	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675010** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-8 - 4'-6'** Date Collected: 5/7/2018 13:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8270C					
1,1'-Biphenyl	U	mg/Kg	1.01	0.169	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.169	0.068	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.169	0.078	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.169	0.079	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.169	0.063	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2-Fluorophenol (S)	35	%	25-120		1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
1,4-Dichlorobenzene	U	mg/Kg	0.169	0.068	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Phenol-d5 (S)	37	%	20-110		1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
1-Methylnaphthalene	U	mg/Kg	0.169	0.041	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Nitrobenzene-d5 (S)	36	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.169	0.056	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2-Fluorobiphenyl (S)	41	%	30-115		1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2,4,5-Trichlorophenol	U	mg/Kg	0.169	0.061	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2,4,6-Tribromophenol (S)	43	%	20-120		1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.169	0.059	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
p-Terphenyl-d14 (S)	45	%	15-140		1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2,4-Dichlorophenol	U	mg/Kg	0.169	0.063	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2,4-Dinitrophenol	U	mg/Kg	0.169	0.169	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.169	0.049	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2,6-Dichlorophenol	U	mg/Kg	0.169	0.071	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.169	0.066	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2-Chloronaphthalene	U	mg/Kg	0.169	0.076	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2-Chlorophenol	U	mg/Kg	0.169	0.061	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2-Methylnaphthalene	U	mg/Kg	0.169	0.052	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2-Methylphenol	U	mg/Kg	0.169	0.052	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2-Nitroaniline	U	mg/Kg	0.169	0.051	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2-Nitrophenol	U	mg/Kg	0.169	0.088	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
3&4-Methylphenol	U	mg/Kg	0.338	0.059	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.169	0.047	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
3-Nitroaniline	U	mg/Kg	0.169	0.054	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.169	0.149	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.169	0.051	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
4-Chloroaniline	U	mg/Kg	0.169	0.074	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.169	0.041	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Acenaphthene	U	mg/Kg	0.169	0.049	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Acenaphthylene	U	mg/Kg	0.169	0.054	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Acetophenone	U	mg/Kg	1.01	0.169	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Aniline	U	mg/Kg	0.169	0.066	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Anthracene	U	mg/Kg	0.169	0.052	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675010** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-8 - 4'-6'** Date Collected: 5/7/2018 13:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	1.01	0.169	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Benzaldehyde*	U	mg/Kg	1.01	0.169	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Benzidine	U	mg/Kg	0.169	0.074	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Benzo(a)anthracene	0.091i	mg/Kg	0.169	0.052	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Benzo(a)pyrene	0.157i	mg/Kg	0.169	0.041	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Benzo(b)fluoranthene	0.156i	mg/Kg	0.169	0.041	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Benzo(g,h,i)perylene	0.134i	mg/Kg	0.169	0.056	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Benzo(k)fluoranthene	U	mg/Kg	0.169	0.071	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Benzyl alcohol	U	mg/Kg	0.169	0.071	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.169	0.063	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Butyl benzyl phthalate	U	mg/Kg	0.338	0.112	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Caprolactam*	U	mg/Kg	4.23	2.11	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Carbazole	U	mg/Kg	0.169	0.054	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Chrysene	0.048i	mg/Kg	0.169	0.024	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Di-n-butyl phthalate	U	mg/Kg	0.846	0.423	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Di-n-octyl phthalate	U	mg/Kg	0.169	0.061	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Dibenzo(a,h)anthracene	U	mg/Kg	0.169	0.034	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Dibenzofuran	U	mg/Kg	0.169	0.049	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Diethyl phthalate	U	mg/Kg	0.169	0.078	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Dimethyl phthalate	U	mg/Kg	0.169	0.042	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
2,4-Dimethylphenol	U	mg/Kg	0.169	0.079	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Fluoranthene	0.107i	mg/Kg	0.169	0.044	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Fluorene	U	mg/Kg	0.169	0.034	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Hexachlorobenzene	U	mg/Kg	0.169	0.047	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Hexachlorobutadiene	U	mg/Kg	0.169	0.081	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.169	0.091	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Hexachloroethane	U	mg/Kg	0.169	0.069	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Indeno(1,2,3-cd)pyrene	0.163i	mg/Kg	0.169	0.020	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Isophorone	U	mg/Kg	0.169	0.058	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.169	0.052	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.169	0.070	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.169	0.056	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.169	0.046	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Naphthalene	U	mg/Kg	0.169	0.059	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
4-Nitroaniline	U	mg/Kg	0.169	0.058	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Nitrobenzene	U	mg/Kg	0.169	0.068	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
4-Nitrophenol	U	mg/Kg	0.169	0.061	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Pentachlorobenzene	U	mg/Kg	0.169	0.049	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Pentachlorophenol	U	mg/Kg	0.169	0.090	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Phenanthrene	U	mg/Kg	0.169	0.046	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Phenol	U	mg/Kg	0.169	0.063	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Pyrene	0.086i	mg/Kg	0.169	0.039	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Pyridine	U	mg/Kg	0.338	0.137	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675010** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-8 - 4'-6'** Date Collected: 5/7/2018 13:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.169	0.063	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.169	0.069	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.169	0.063	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	1.69	0.846	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
o-Toluidine	U	mg/Kg	0.169	0.066	1	5/10/2018 09:40	DB	5/11/2018 23:37	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	84.4	%	0.1		1			5/10/2018 11:20	AMS	
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
o-Terphenyl (S)	64	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 15:13	VS	
n-Triacontane-d62 (S)	78	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 15:13	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
Florida Pro Total	111	mg/Kg	33.8	16.9	2	5/10/2018 09:37	DB	5/14/2018 15:13	VS	
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)					Preparation Method: EPA 3050B Analytical Method: EPA 6020					
Chromium	6.8	mg/Kg	1.3	0.26	2	5/9/2018 16:51	ZS	5/10/2018 15:51	ZS	
Arsenic	2.4	mg/Kg	0.59	0.097	2	5/9/2018 16:51	ZS	5/10/2018 15:51	ZS	
Selenium	U	mg/Kg	1.2	0.55	2	5/9/2018 16:51	ZS	5/10/2018 15:51	ZS	
Silver	U	mg/Kg	0.59	0.083	2	5/9/2018 16:51	ZS	5/10/2018 15:51	ZS	
Cadmium	U	mg/Kg	0.59	0.11	2	5/9/2018 16:51	ZS	5/10/2018 15:51	ZS	
Barium	21	mg/Kg	1.3	0.26	2	5/9/2018 16:51	ZS	5/10/2018 15:51	ZS	
Mercury	U	mg/Kg	0.72	0.14	2	5/9/2018 16:51	ZS	5/10/2018 15:51	ZS	
Lead	12	mg/Kg	0.59	0.092	2	5/9/2018 16:51	ZS	5/10/2018 15:51	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675011** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-9 - 0'-2'** Date Collected: 5/7/2018 14:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	92	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Toluene d8 (S)	91	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
4-Bromofluorobenzene (S)	113	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0016	0.00049	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,1,1-Trichloroethane	U	mg/Kg	0.0016	0.00045	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0016	0.00039	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,1,2-Trichloroethane	U	mg/Kg	0.0016	0.00042	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,1-Dichloroethane	U	mg/Kg	0.0016	0.00064	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,1-Dichloroethene	U	mg/Kg	0.0016	0.00074	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,1-Dichloropropene	U	mg/Kg	0.0016	0.00038	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,2,3-Trichlorobenzene	U	mg/Kg	0.00082	0.00011	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,2,3-Trichloropropane	U	mg/Kg	0.0025	0.00098	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0016	0.00018	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0016	0.00061	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,2-DBCP	U	mg/Kg	0.0016	0.00017	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0016	0.00039	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,2-Dichlorobenzene	U	mg/Kg	0.0016	0.00024	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,2-Dichloroethane	U	mg/Kg	0.0016	0.00069	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,2-Dichloropropane	U	mg/Kg	0.0016	0.00049	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0016	0.00017	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,3-Dichlorobenzene	U	mg/Kg	0.0016	0.00025	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,3-Dichloropropane	U	mg/Kg	0.0016	0.00037	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
1,4-Dichlorobenzene	U	mg/Kg	0.0016	0.00028	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
2,2-Dichloropropane	U	mg/Kg	0.0016	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
2-Chlorotoluene	U	mg/Kg	0.0016	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
2-Hexanone	U	mg/Kg	0.0025	0.00094	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
4-Chlorotoluene	U	mg/Kg	0.0016	0.00026	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
4-Isopropyltoluene	U	mg/Kg	0.0016	0.00020	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
4-methyl-2-pentanone	U	mg/Kg	0.0016	0.00044	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Acetone	U	mg/Kg	0.0082	0.0025	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Acrolein	U	mg/Kg	0.0082	0.0038	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Acrylonitrile	U	mg/Kg	0.016	0.0061	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Benzene	U	mg/Kg	0.0016	0.00038	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Bromobenzene	U	mg/Kg	0.0016	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675011** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-9 - 0'-2'** Date Collected: 5/7/2018 14:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0025	0.00091	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Bromodichloromethane	U	mg/Kg	0.0016	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Bromoform	U	mg/Kg	0.0016	0.00061	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Bromomethane	U	mg/Kg	0.0025	0.0012	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Carbon disulfide	U	mg/Kg	0.0016	0.00059	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Carbon tetrachloride	U	mg/Kg	0.0016	0.00044	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Chlorobenzene	U	mg/Kg	0.0016	0.00035	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Chloroethane	U	mg/Kg	0.0016	0.00047	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Chloroform	U	mg/Kg	0.012	0.0054	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Chloromethane	U	mg/Kg	0.0016	0.00056	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Dibromochloromethane	U	mg/Kg	0.0016	0.00047	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Dibromomethane	U	mg/Kg	0.0016	0.00093	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Dichlorodifluoromethane	U	mg/Kg	0.0016	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
cis-1,3-Dichloropropene	U	mg/Kg	0.0016	0.00046	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Ethyl methacrylate	U	mg/Kg	0.0016	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Ethylbenzene	U	mg/Kg	0.0016	0.00027	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Hexachlorobutadiene	U	mg/Kg	0.0016	0.00018	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Iodomethane	U	mg/Kg	0.0016	0.00035	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0016	0.00027	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Methyl ethyl ketone (MEK)	U	mg/Kg	0.0082	0.0012	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Methylene chloride	U	mg/Kg	0.0082	0.0041	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Naphthalene	U	mg/Kg	0.0082	0.0041	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Styrene	U	mg/Kg	0.0016	0.00025	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Tetrachloroethene	U	mg/Kg	0.0016	0.00037	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Toluene	U	mg/Kg	0.0016	0.00033	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Trichloroethene	U	mg/Kg	0.0016	0.00064	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Trichlorofluoromethane	U	mg/Kg	0.0016	0.00061	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Vinyl acetate	U	mg/Kg	0.0016	0.00067	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Vinyl chloride	U	mg/Kg	0.0016	0.00080	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
Xylenes- Total	U	mg/Kg	0.0016	0.00081	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
cis-1,2-Dichloroethene	U	mg/Kg	0.0016	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0016	0.00076	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
m & p-xylene	U	mg/Kg	0.0016	0.00052	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
n-Butylbenzene	U	mg/Kg	0.0016	0.00021	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
n-propylbenzene	U	mg/Kg	0.0016	0.00025	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
o-Xylene	U	mg/Kg	0.0016	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
sec-Butylbenzene	U	mg/Kg	0.0016	0.00019	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.016	0.0058	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0025	0.00091	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
tert-Butylbenzene	U	mg/Kg	0.0016	0.00024	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
trans-1,2-Dichloroethene	U	mg/Kg	0.0016	0.00073	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	
trans-1,3-Dichloropropene	U	mg/Kg	0.0016	0.00036	1	5/17/2018 09:00	JSJ	5/17/2018 14:44	JS	

FDOH# E86546
CERTIFICATE OF ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675011** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-9 - 0'-2'** Date Collected: 5/7/2018 14:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8270C					
1,1'-Biphenyl	U	mg/Kg	1.02	0.170	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.170	0.068	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.170	0.078	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.170	0.080	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.170	0.063	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2-Fluorophenol (S)	35	%	25-120		1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
1,4-Dichlorobenzene	U	mg/Kg	0.170	0.068	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Phenol-d5 (S)	36	%	20-110		1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
1-Methylnaphthalene	U	mg/Kg	0.170	0.041	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Nitrobenzene-d5 (S)	36	%	20-120		1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.170	0.056	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2-Fluorobiphenyl (S)	43	%	30-115		1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2,4,5-Trichlorophenol	U	mg/Kg	0.170	0.061	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2,4,6-Tribromophenol (S)	45	%	20-120		1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.170	0.060	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
p-Terphenyl-d14 (S)	44	%	15-140		1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2,4-Dichlorophenol	U	mg/Kg	0.170	0.063	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2,4-Dinitrophenol	U	mg/Kg	0.170	0.170	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.170	0.049	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2,6-Dichlorophenol	U	mg/Kg	0.170	0.071	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.170	0.066	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2-Chloronaphthalene	U	mg/Kg	0.170	0.077	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2-Chlorophenol	U	mg/Kg	0.170	0.061	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2-Methylnaphthalene	U	mg/Kg	0.170	0.053	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2-Methylphenol	U	mg/Kg	0.170	0.053	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2-Nitroaniline	U	mg/Kg	0.170	0.051	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2-Nitrophenol	U	mg/Kg	0.170	0.088	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
3&4-Methylphenol	U	mg/Kg	0.340	0.060	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.170	0.048	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
3-Nitroaniline	U	mg/Kg	0.170	0.054	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.170	0.150	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.170	0.051	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
4-Chloroaniline	U	mg/Kg	0.170	0.075	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.170	0.041	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Acenaphthene	U	mg/Kg	0.170	0.049	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Acenaphthylene	U	mg/Kg	0.170	0.054	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Acetophenone	U	mg/Kg	1.02	0.170	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Aniline	U	mg/Kg	0.170	0.066	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Anthracene	U	mg/Kg	0.170	0.053	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675011** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-9 - 0'-2'** Date Collected: 5/7/2018 14:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	1.02	0.170	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Benzaldehyde*	U	mg/Kg	1.02	0.170	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Benzidine	U	mg/Kg	0.170	0.075	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Benzo(a)anthracene	0.074i	mg/Kg	0.170	0.053	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Benzo(a)pyrene	0.138i	mg/Kg	0.170	0.041	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Benzo(b)fluoranthene	0.113i	mg/Kg	0.170	0.041	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Benzo(g,h,i)perylene	0.127i	mg/Kg	0.170	0.056	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Benzo(k)fluoranthene	U	mg/Kg	0.170	0.071	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Benzyl alcohol	U	mg/Kg	0.170	0.071	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.170	0.063	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Butyl benzyl phthalate	U	mg/Kg	0.340	0.112	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Caprolactam*	U	mg/Kg	4.25	2.13	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Carbazole	U	mg/Kg	0.170	0.054	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Chrysene	U	mg/Kg	0.170	0.024	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Di-n-butyl phthalate	U	mg/Kg	0.850	0.425	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Di-n-octyl phthalate	U	mg/Kg	0.170	0.061	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Dibenzo(a,h)anthracene	U	mg/Kg	0.170	0.034	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Dibenzofuran	U	mg/Kg	0.170	0.049	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Diethyl phthalate	U	mg/Kg	0.170	0.078	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Dimethyl phthalate	U	mg/Kg	0.170	0.043	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
2,4-Dimethylphenol	U	mg/Kg	0.170	0.080	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Fluoranthene	0.077i	mg/Kg	0.170	0.044	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Fluorene	U	mg/Kg	0.170	0.034	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Hexachlorobenzene	U	mg/Kg	0.170	0.048	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Hexachlorobutadiene	U	mg/Kg	0.170	0.082	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.170	0.092	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Hexachloroethane	U	mg/Kg	0.170	0.070	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Indeno(1,2,3-cd)pyrene	0.153i	mg/Kg	0.170	0.020	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Isophorone	U	mg/Kg	0.170	0.058	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.170	0.053	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.170	0.071	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.170	0.056	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.170	0.046	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Naphthalene	U	mg/Kg	0.170	0.060	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
4-Nitroaniline	U	mg/Kg	0.170	0.058	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Nitrobenzene	U	mg/Kg	0.170	0.068	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
4-Nitrophenol	U	mg/Kg	0.170	0.061	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Pentachlorobenzene	U	mg/Kg	0.170	0.049	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Pentachlorophenol	U	mg/Kg	0.170	0.090	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Phenanthrene	U	mg/Kg	0.170	0.046	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Phenol	U	mg/Kg	0.170	0.063	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Pyrene	0.069i	mg/Kg	0.170	0.039	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Pyridine	U	mg/Kg	0.340	0.138	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675011** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-9 - 0'-2'** Date Collected: 5/7/2018 14:00

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.170	0.063	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.170	0.070	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.170	0.063	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	1.70	0.850	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
o-Toluidine	U	mg/Kg	0.170	0.066	1	5/10/2018 09:40	DB	5/12/2018 00:11	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	92.6	%	0.1		1			5/10/2018 11:20	AMS	
Analysis Desc: Florida PRO by GC (S)						Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)				
o-Terphenyl (S)	77	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 15:51	VS	
n-Triacontane-d62 (S)	90	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 15:51	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)						Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)				
Florida Pro Total	93.5	mg/Kg	34.0	17.0	2	5/10/2018 09:37	DB	5/14/2018 15:51	VS	
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)						Preparation Method: EPA 3050B Analytical Method: EPA 6020				
Chromium	10	mg/Kg	1.2	0.24	2	5/9/2018 16:51	ZS	5/10/2018 15:56	ZS	
Arsenic	1.8	mg/Kg	0.54	0.089	2	5/9/2018 16:51	ZS	5/10/2018 15:56	ZS	
Selenium	U	mg/Kg	1.1	0.51	2	5/9/2018 16:51	ZS	5/10/2018 15:56	ZS	
Silver	U	mg/Kg	0.54	0.076	2	5/9/2018 16:51	ZS	5/10/2018 15:56	ZS	
Cadmium	U	mg/Kg	0.54	0.099	2	5/9/2018 16:51	ZS	5/10/2018 15:56	ZS	
Barium	11	mg/Kg	1.2	0.24	2	5/9/2018 16:51	ZS	5/10/2018 15:56	ZS	
Mercury	U	mg/Kg	0.66	0.13	2	5/9/2018 16:51	ZS	5/10/2018 15:56	ZS	
Lead	16	mg/Kg	0.54	0.084	2	5/9/2018 16:51	ZS	5/10/2018 15:56	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675012** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-10 - 0'-2'** Date Collected: 5/7/2018 14:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	103	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Toluene d8 (S)	102	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
4-Bromofluorobenzene (S)	97	%	60-135		1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0019	0.00057	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,1,1-Trichloroethane	U	mg/Kg	0.0019	0.00052	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0019	0.00046	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,1,2-Trichloroethane	U	mg/Kg	0.0019	0.00048	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,1-Dichloroethane	U	mg/Kg	0.0019	0.00074	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,1-Dichloroethene	U	mg/Kg	0.0019	0.00086	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,1-Dichloropropene	U	mg/Kg	0.0019	0.00045	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,2,3-Trichlorobenzene	U	mg/Kg	0.00095	0.00013	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,2,3-Trichloropropane	U	mg/Kg	0.0029	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0019	0.00021	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0019	0.00071	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,2-DBCP	U	mg/Kg	0.0019	0.00020	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0019	0.00046	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,2-Dichlorobenzene	U	mg/Kg	0.0019	0.00028	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,2-Dichloroethane	U	mg/Kg	0.0019	0.00080	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,2-Dichloropropane	U	mg/Kg	0.0019	0.00057	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0019	0.00020	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,3-Dichlorobenzene	U	mg/Kg	0.0019	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,3-Dichloropropane	U	mg/Kg	0.0019	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
1,4-Dichlorobenzene	U	mg/Kg	0.0019	0.00032	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
2,2-Dichloropropane	U	mg/Kg	0.0019	0.00050	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
2-Chlorotoluene	U	mg/Kg	0.0019	0.00035	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
2-Hexanone	U	mg/Kg	0.0029	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
4-Chlorotoluene	U	mg/Kg	0.0019	0.00030	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
4-Isopropyltoluene	U	mg/Kg	0.0019	0.00023	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
4-methyl-2-pentanone	U	mg/Kg	0.0019	0.00051	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Acetone	U	mg/Kg	0.0095	0.0030	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Acrolein	U	mg/Kg	0.0095	0.0044	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Acrylonitrile	U	mg/Kg	0.019	0.0071	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Benzene	U	mg/Kg	0.0019	0.00044	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Bromobenzene	U	mg/Kg	0.0019	0.00035	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675012** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-10 - 0'-2'** Date Collected: 5/7/2018 14:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0029	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Bromodichloromethane	U	mg/Kg	0.0019	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Bromoform	U	mg/Kg	0.0019	0.00071	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Bromomethane	U	mg/Kg	0.0029	0.0014	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Carbon disulfide	U	mg/Kg	0.0019	0.00068	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Carbon tetrachloride	U	mg/Kg	0.0019	0.00051	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Chlorobenzene	U	mg/Kg	0.0019	0.00041	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Chloroethane	U	mg/Kg	0.0019	0.00055	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Chloroform	U	mg/Kg	0.014	0.0063	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Chloromethane	U	mg/Kg	0.0019	0.00065	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Dibromochloromethane	U	mg/Kg	0.0019	0.00054	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Dibromomethane	U	mg/Kg	0.0019	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Dichlorodifluoromethane	U	mg/Kg	0.0019	0.00035	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
cis-1,3-Dichloropropene	U	mg/Kg	0.0019	0.00053	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Ethyl methacrylate	U	mg/Kg	0.0019	0.00034	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Ethylbenzene	U	mg/Kg	0.0019	0.00031	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Hexachlorobutadiene	U	mg/Kg	0.0019	0.00021	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Iodomethane	U	mg/Kg	0.0019	0.00041	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0019	0.00031	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Methyl ethyl ketone (MEK)	U	mg/Kg	0.0095	0.0014	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Methylene chloride	0.010	mg/Kg	0.0095	0.0048	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Naphthalene	U	mg/Kg	0.0095	0.0048	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Styrene	U	mg/Kg	0.0019	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Tetrachloroethene	U	mg/Kg	0.0019	0.00043	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Toluene	U	mg/Kg	0.0019	0.00038	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Trichloroethene	U	mg/Kg	0.0019	0.00074	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Trichlorofluoromethane	U	mg/Kg	0.0019	0.00071	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Vinyl acetate	U	mg/Kg	0.0019	0.00078	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Vinyl chloride	U	mg/Kg	0.0019	0.00093	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
Xylenes- Total	U	mg/Kg	0.0019	0.00094	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
cis-1,2-Dichloroethene	U	mg/Kg	0.0019	0.00042	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0019	0.00088	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
m & p-xylene	U	mg/Kg	0.0019	0.00061	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
n-Butylbenzene	U	mg/Kg	0.0019	0.00025	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
n-propylbenzene	U	mg/Kg	0.0019	0.00029	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
o-Xylene	U	mg/Kg	0.0019	0.00033	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
sec-Butylbenzene	U	mg/Kg	0.0019	0.00022	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.019	0.0067	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0029	0.0011	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
tert-Butylbenzene	U	mg/Kg	0.0019	0.00028	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
trans-1,2-Dichloroethene	U	mg/Kg	0.0019	0.00085	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	
trans-1,3-Dichloropropene	U	mg/Kg	0.0019	0.00042	1	5/17/2018 09:00	JSJ	5/17/2018 15:33	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675012** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid
Sample ID: **SB-10 - 0'-2'** Date Collected: 5/7/2018 14:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)					Preparation Method: EPA 3545					
					Analytical Method: EPA 8270C					
1,1'-Biphenyl	U	mg/Kg	1.14	0.190	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.190	0.076	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.190	0.088	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.190	0.089	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.190	0.070	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2-Fluorophenol (S)	31	%	25-120		1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
1,4-Dichlorobenzene	U	mg/Kg	0.190	0.076	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Phenol-d5 (S)	32	%	20-110		1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
1-Methylnaphthalene	U	mg/Kg	0.190	0.046	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Nitrobenzene-d5 (S)	31	%	20-120		1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.190	0.063	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2-Fluorobiphenyl (S)	36	%	30-115		1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2,4,5-Trichlorophenol	U	mg/Kg	0.190	0.069	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2,4,6-Tribromophenol (S)	40	%	20-120		1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.190	0.067	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
p-Terphenyl-d14 (S)	43	%	15-140		1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2,4-Dichlorophenol	U	mg/Kg	0.190	0.070	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2,4-Dinitrophenol	U	mg/Kg	0.190	0.190	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.190	0.055	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2,6-Dichlorophenol	U	mg/Kg	0.190	0.080	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.190	0.074	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2-Chloronaphthalene	U	mg/Kg	0.190	0.086	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2-Chlorophenol	U	mg/Kg	0.190	0.069	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2-Methylnaphthalene	U	mg/Kg	0.190	0.059	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2-Methylphenol	U	mg/Kg	0.190	0.059	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2-Nitroaniline	U	mg/Kg	0.190	0.057	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2-Nitrophenol	U	mg/Kg	0.190	0.099	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
3&4-Methylphenol	U	mg/Kg	0.381	0.067	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.190	0.053	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
3-Nitroaniline	U	mg/Kg	0.190	0.061	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.190	0.167	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.190	0.057	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
4-Chloroaniline	U	mg/Kg	0.190	0.084	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.190	0.046	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Acenaphthene	U	mg/Kg	0.190	0.055	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Acenaphthylene	U	mg/Kg	0.190	0.061	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Acetophenone	U	mg/Kg	1.14	0.190	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Aniline	U	mg/Kg	0.190	0.074	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Anthracene	U	mg/Kg	0.190	0.059	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675012** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-10 - 0'-2'** Date Collected: 5/7/2018 14:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	1.14	0.190	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Benzaldehyde*	U	mg/Kg	1.14	0.190	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Benzidine	U	mg/Kg	0.190	0.084	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Benzo(a)anthracene	0.087i	mg/Kg	0.190	0.059	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Benzo(a)pyrene	0.150i	mg/Kg	0.190	0.046	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Benzo(b)fluoranthene	0.126i	mg/Kg	0.190	0.046	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Benzo(g,h,i)perylene	0.133i	mg/Kg	0.190	0.063	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Benzo(k)fluoranthene	U	mg/Kg	0.190	0.080	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Benzyl alcohol	U	mg/Kg	0.190	0.080	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.190	0.070	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Butyl benzyl phthalate	U	mg/Kg	0.381	0.126	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Caprolactam*	U	mg/Kg	4.76	2.38	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Carbazole	U	mg/Kg	0.190	0.061	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Chrysene	U	mg/Kg	0.190	0.027	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Di-n-butyl phthalate	U	mg/Kg	0.952	0.476	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Di-n-octyl phthalate	U	mg/Kg	0.190	0.069	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Dibenzo(a,h)anthracene	U	mg/Kg	0.190	0.038	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Dibenzofuran	U	mg/Kg	0.190	0.055	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Diethyl phthalate	U	mg/Kg	0.190	0.088	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Dimethyl phthalate	U	mg/Kg	0.190	0.048	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
2,4-Dimethylphenol	U	mg/Kg	0.190	0.089	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Fluoranthene	0.100i	mg/Kg	0.190	0.049	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Fluorene	U	mg/Kg	0.190	0.038	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Hexachlorobenzene	U	mg/Kg	0.190	0.053	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Hexachlorobutadiene	U	mg/Kg	0.190	0.091	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.190	0.103	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Hexachloroethane	U	mg/Kg	0.190	0.078	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Indeno(1,2,3-cd)pyrene	0.160i	mg/Kg	0.190	0.023	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Isophorone	U	mg/Kg	0.190	0.065	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.190	0.059	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.190	0.079	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.190	0.063	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.190	0.051	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Naphthalene	U	mg/Kg	0.190	0.067	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
4-Nitroaniline	U	mg/Kg	0.190	0.065	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Nitrobenzene	U	mg/Kg	0.190	0.076	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
4-Nitrophenol	U	mg/Kg	0.190	0.069	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Pentachlorobenzene	U	mg/Kg	0.190	0.055	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Pentachlorophenol	U	mg/Kg	0.190	0.101	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Phenanthrene	U	mg/Kg	0.190	0.051	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Phenol	U	mg/Kg	0.190	0.070	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Pyrene	0.081i	mg/Kg	0.190	0.044	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Pyridine	U	mg/Kg	0.381	0.154	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675012** Date Received: 5/8/2018 17:20 Matrix: Soil/Solid

Sample ID: **SB-10 - 0'-2'** Date Collected: 5/7/2018 14:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.190	0.070	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.190	0.078	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.190	0.070	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	1.90	0.952	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
o-Toluidine	U	mg/Kg	0.190	0.074	1	5/10/2018 09:40	DB	5/12/2018 00:45	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)						Analytical Method: SM 2540G				
Percent Solids (Dryweight)	96.5	%	0.1		1			5/10/2018 11:20	AMS	
Analysis Desc: Florida PRO by GC (S)						Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)				
o-Terphenyl (S)	72	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 16:29	VS	
n-Triacontane-d62 (S)	85	%	50-150		2	5/10/2018 09:37	DB	5/14/2018 16:29	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)						Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)				
Florida Pro Total	113	mg/Kg	38.1	19.0	2	5/10/2018 09:37	DB	5/14/2018 16:29	VS	
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)						Preparation Method: EPA 3050B Analytical Method: EPA 6020				
Chromium	10	mg/Kg	1.1	0.23	2	5/9/2018 16:51	ZS	5/10/2018 16:00	ZS	
Arsenic	2.5	mg/Kg	0.52	0.085	2	5/9/2018 16:51	ZS	5/10/2018 16:00	ZS	
Selenium	U	mg/Kg	1.0	0.48	2	5/9/2018 16:51	ZS	5/10/2018 16:00	ZS	
Silver	0.097i	mg/Kg	0.52	0.073	2	5/9/2018 16:51	ZS	5/10/2018 16:00	ZS	
Cadmium	0.39i	mg/Kg	0.52	0.095	2	5/9/2018 16:51	ZS	5/10/2018 16:00	ZS	
Barium	25	mg/Kg	1.1	0.23	2	5/9/2018 16:51	ZS	5/10/2018 16:00	ZS	
Mercury	U	mg/Kg	0.63	0.13	2	5/9/2018 16:51	ZS	5/10/2018 16:00	ZS	
Lead	69	mg/Kg	0.52	0.081	2	5/9/2018 16:51	ZS	5/10/2018 16:00	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675013** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid
Sample ID: **GW 3** Date Collected: 5/7/2018 14:50

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (W)					Preparation Method: EPA 5030B					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,1,1-Trichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,1,2,2-Tetrachloroethane	U	ug/L	1.00	0.200	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,1,2-Trichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,1-Dichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,1-Dichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,1-Dichloropropene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,2,3-Trichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,2,3-Trichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,2,4-Trichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,2,4-Trimethylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,2-DBCP	U	ug/L	1.00	0.550	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,2-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,2-Dichloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,2-Dichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,3,5-Trimethylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,3-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,3-Dichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
1,4-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
2,2-Dichloropropane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
2-Chlorotoluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
2-Hexanone	U	ug/L	10.0	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
4-Chlorotoluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Dibromofluoromethane (S)	99	%	70-130		1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
4-Isopropyltoluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
4-methyl-2-pentanone	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Acetone	U	ug/L	10.0	0.510	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Acrolein	U	ug/L	20.0	8.70	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Acrylonitrile	U	ug/L	20.0	4.20	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Benzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Bromobenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Bromochloromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Bromodichloromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Bromoform	U	ug/L	1.00	0.550	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Toluene d8 (S)	103	%	70-130		1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Bromomethane	U	ug/L	6.00	4.00	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Carbon disulfide	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Carbon tetrachloride	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675013** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid

Sample ID: **GW 3** Date Collected: 5/7/2018 14:50

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Chlorobenzene	0.470i	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Chloroethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Chloroform	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Chloromethane	U	ug/L	5.00	2.50	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Dibromochloromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Dibromomethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Dichlorodifluoromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
4-Bromofluorobenzene (S)	96	%	70-130		1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
cis-1,3-Dichloropropene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Ethyl methacrylate	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Ethylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Hexachlorobutadiene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Iodomethane	U	ug/L	1.00	0.460	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Isopropylbenzene (Cumene)	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Methyl ethyl ketone (MEK)	U	ug/L	5.00	0.640	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Methylene chloride	U	ug/L	4.00	2.00	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Naphthalene	U	ug/L	2.00	1.00	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Styrene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Tetrachloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Toluene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Trichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Trichlorofluoromethane	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Vinyl acetate	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Vinyl chloride	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
Xylenes- Total	U	ug/L	3.00	0.800	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
cis-1,2-Dichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
cis-1,4-Dichloro-2-butene	U	ug/L	1.00	0.440	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
m & p-xylene	U	ug/L	2.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
n-Butylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
n-propylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
o-Xylene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
sec-Butylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
t-1,4-Dichloro-2-butene	U	ug/L	1.00	0.410	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
tert-Butylbenzene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
trans-1,2-Dichloroethene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	
trans-1,3-Dichloropropene	U	ug/L	1.00	0.400	1	5/16/2018 09:10	JSJ	5/16/2018 17:10	JS	

Semivolatiles by EPA 8270C

Analysis Desc: EPA 8270C DOD Full List (W) Preparation Method: EPA 3510C

Analytical Method: EPA 8270C

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675013** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid

Sample ID: **GW 3** Date Collected: 5/7/2018 14:50

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
1,1'-Biphenyl	U	ug/L	11.2	3.74	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
1,2,4,5-Tetrachlorobenzene	U	ug/L	4.67	0.486	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
1,2,4-Trichlorobenzene	U	ug/L	4.67	0.860	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
1,2-Dichlorobenzene	U	ug/L	4.67	0.607	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
1,3-Dichlorobenzene	U	ug/L	4.67	0.832	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2-Fluorophenol (S)	19	%	20-110		1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	J2
1,4-Dichlorobenzene	U	ug/L	4.67	0.888	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Phenol-d5 (S)	11	%	10-110		1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
1-Methylnaphthalene	U	ug/L	4.67	0.505	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Nitrobenzene-d5 (S)	32	%	30-110		1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2,3,4,6-Tetrachlorophenol	U	ug/L	4.67	0.439	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2-Fluorobiphenyl (S)	35	%	40-110		1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	J2
2,4,5-Trichlorophenol	U	ug/L	9.35	0.411	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2,4,6-Tribromophenol (S)	39	%	10-120		1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2,4,6-Trichlorophenol	U	ug/L	4.67	0.439	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
p-Terphenyl-d14 (S)	41	%	30-140		1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2,4-Dichlorophenol	U	ug/L	9.35	0.579	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2,4-Dinitrophenol	U	ug/L	4.67	0.738	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2,4-Dinitrotoluene	U	ug/L	4.67	0.570	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2,6-Dichlorophenol	U	ug/L	9.35	0.561	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2,6-Dinitrotoluene	U	ug/L	4.67	0.523	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2-Chloronaphthalene	U	ug/L	4.67	0.383	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2-Chlorophenol	U	ug/L	4.67	0.421	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2-Methylnaphthalene	U	ug/L	4.67	0.439	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2-Methylphenol	U	ug/L	4.67	0.336	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2-Nitroaniline	U	ug/L	9.35	0.542	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2-Nitrophenol	U	ug/L	4.67	0.551	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
3&4-Methylphenol	U	ug/L	9.35	0.411	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
3,3'-Dichlorobenzidine	U	ug/L	4.67	0.710	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
3-Nitroaniline	U	ug/L	4.67	0.561	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
4,6-Dinitro-2-methylphenol	U	ug/L	9.35	0.598	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
4-Chloro-3-methylphenol	U	ug/L	4.67	0.561	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
4-Chloroaniline	U	ug/L	4.67	1.25	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
4-Chlorophenyl phenyl ether	U	ug/L	4.67	0.561	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Acenaphthene	U	ug/L	4.67	0.514	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Acenaphthylene	U	ug/L	4.67	0.430	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Acetophenone	U	ug/L	11.2	2.80	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Aniline	U	ug/L	4.67	1.42	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Anthracene	U	ug/L	4.67	0.579	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Atrazine	U	ug/L	11.2	1.87	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Benzaldehyde*	U	ug/L	11.2	3.74	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Benzidine	U	ug/L	18.7	5.53	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Benzo(a)anthracene	U	ug/L	4.67	0.748	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675
Project ID: PL2 2186398

Lab ID: **1856675013** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid
Sample ID: **GW 3** Date Collected: 5/7/2018 14:50

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Benzo(a)pyrene	U	ug/L	4.67	0.570	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Benzo(b)fluoranthene	U	ug/L	4.67	0.645	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Benzo(g,h,i)perylene	U	ug/L	4.67	0.579	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Benzo(k)fluoranthene	U	ug/L	4.67	0.748	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Benzyl alcohol	U	ug/L	4.67	0.290	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
4-Bromophenyl phenyl ether	U	ug/L	4.67	0.626	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Butyl benzyl phthalate	U	ug/L	4.67	0.561	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Caprolactam*	U	ug/L	46.7	23.4	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Carbazole	U	ug/L	4.67	0.589	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Chrysene	U	ug/L	1.87	0.467	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Di-n-butyl phthalate	U	ug/L	4.67	0.626	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Di-n-octyl phthalate	U	ug/L	4.67	0.467	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Dibenzo(a,h)anthracene	U	ug/L	4.67	0.617	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Dibenzofuran	U	ug/L	4.67	0.533	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Diethyl phthalate	U	ug/L	18.7	2.21	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Dimethyl phthalate	U	ug/L	4.67	0.458	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
2,4-Dimethylphenol	U	ug/L	4.67	0.813	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Fluoranthene	U	ug/L	4.67	0.561	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Fluorene	U	ug/L	4.67	0.607	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Hexachlorobenzene	U	ug/L	4.67	0.551	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Hexachlorobutadiene	U	ug/L	4.67	1.00	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Hexachlorocyclopentadiene	U	ug/L	9.35	0.720	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Hexachloroethane	U	ug/L	4.67	0.935	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Indeno(1,2,3-cd)pyrene	U	ug/L	4.67	0.682	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Isophorone	U	ug/L	4.67	0.449	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
N-Nitrosodi-n-propylamine	U	ug/L	4.67	0.579	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
N-Nitrosodiethylamine	U	ug/L	4.67	0.694	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
N-Nitrosodimethylamine	U	ug/L	4.67	0.701	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
N-Nitrosodiphenylamine	U	ug/L	4.67	0.411	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Naphthalene	U	ug/L	4.67	0.748	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
4-Nitroaniline	U	ug/L	9.35	0.505	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Nitrobenzene	U	ug/L	4.67	0.523	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
4-Nitrophenol	U	ug/L	4.67	0.299	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Pentachlorobenzene	U	ug/L	4.67	0.701	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Pentachlorophenol	U	ug/L	4.67	0.701	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Phenanthrene	U	ug/L	4.67	0.514	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Phenol	U	ug/L	4.67	0.159	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Pyrene	U	ug/L	4.67	0.589	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Pyridine	U	ug/L	18.7	2.44	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
bis[2-Chloroethoxy]methane	U	ug/L	4.67	0.393	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
bis[2-Chloroethyl]ether	U	ug/L	4.67	0.570	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
bis[2-Chloroisopropyl]ether	U	ug/L	4.67	0.720	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
bis[2-Ethylhexyl]phthalate	U	ug/L	4.67	1.87	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856675

Project ID: PL2 2186398

Lab ID: **1856675013** Date Received: 5/8/2018 17:20 Matrix: Aqueous Liquid

Sample ID: **GW 3** Date Collected: 5/7/2018 14:50

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
o-Toluidine	U	ug/L	4.67	1.34	1	5/14/2018 11:25	DB	5/14/2018 18:29	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (W)					Preparation Method: EPA 3510C Analytical Method: FL-PRO (GC)					
Florida Pro Total	0.528	mg/L	0.299	0.150	2	5/14/2018 11:24	DB	5/14/2018 20:34	VS	
o-Terphenyl (S)	62	%	50-150		2	5/14/2018 11:24	DB	5/14/2018 20:34	VS	
n-Triacontane-d62 (S)	71	%	50-150		2	5/14/2018 11:24	DB	5/14/2018 20:34	VS	
Analysis Desc: EPA 200.8 Total RCRA-8 Metals (W)					Preparation Method: EPA 200.2 mod. Analytical Method: EPA 200.8 (Total)					
Chromium	3.5	ug/L	2.0	0.27	4	5/9/2018 12:08	ZS	5/9/2018 17:15	ZS	
Arsenic	0.79i	ug/L	2.0	0.65	4	5/9/2018 12:08	ZS	5/9/2018 17:15	ZS	
Selenium	U	ug/L	4.0	2.1	4	5/9/2018 12:08	ZS	5/9/2018 17:15	ZS	
Silver	U	ug/L	2.0	0.28	4	5/9/2018 12:08	ZS	5/9/2018 17:15	ZS	
Cadmium	U	ug/L	2.0	0.28	4	5/9/2018 12:08	ZS	5/9/2018 17:15	ZS	
Barium	1200	ug/L	2.0	0.30	4	5/9/2018 12:08	ZS	5/9/2018 17:15	ZS	L1
Mercury	U	ug/L	2.0	0.73	4	5/9/2018 12:08	ZS	5/9/2018 17:15	ZS	
Lead	6.2	ug/L	2.0	0.12	4	5/9/2018 12:08	ZS	5/9/2018 17:15	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS QUALIFIERS

Workorder: 1856675

Project ID: PL2 2186398

PARAMETER QUALIFIERS

J2	Surrogate recovery was outside defined limits due to matrix interference.
J3	The reported value failed to meet the established quality control for either precision or accuracy.
J4	MS/MSD recovery exceeded control limits due to matrix interference. LCS/LCSD recovery was within acceptable range.
J4h	MS/MSD recovery exceeded control limits due to high background sample concentration. LCS/LCSD recovery was within acceptable range.
L1	Reported value is above the calibration range but is within the instrument LDR (Linear Dynamic Range).

PROJECT COMMENTS

1856675	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit. RR1|Revised Report, Revision #1 (see date below)

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

QC Batch: MXX/9653 Analysis Method: EPA 200.8 (Total)

QC Batch Method: EPA 200.2 mod.

Associated Lab Samples: 1856636009 1856636010 1856636011 1856636012 1856636013 1856636014 1856636015 1856636016 1856636017 1856636018 1856636019 1856636020 1856636021 1856636022 1856653001 1856654001 1856675002 1856675005 1856675013

METHOD BLANK: 141465

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chromium	ug/L	U	0.067	
Arsenic	ug/L	U	0.16	
Selenium	ug/L	U	0.52	
Silver	ug/L	U	0.070	
Cadmium	ug/L	U	0.071	
Barium	ug/L	U	0.076	
Mercury	ug/L	U	0.18	
Lead	ug/L	U	0.029	

LABORATORY CONTROL SAMPLE & LCSD: 141466 141467

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chromium	ug/L	50	55	53	110	106	85-115	3.7	20	
Arsenic	ug/L	50	54	53	108	106	85-115	1.87	20	
Selenium	ug/L	50	51	53	102	105	85-115	3.85	20	
Silver	ug/L	50	52	52	103	104	85-115	0	20	
Cadmium	ug/L	50	52	51	104	102	85-115	1.94	20	
Barium	ug/L	50	53	52	106	104	85-115	1.9	20	
Mercury	ug/L	5	4.9	4.9	99	98.6	85-115	0	20	
Lead	ug/L	50	52	51	104	101	85-115	1.94	20	

MATRIX SPIKE SAMPLE: 141469 Original: 1856654001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	ug/L	0.028	50	57	113	70-130	
Arsenic	ug/L	0	50	59	119	70-130	
Selenium	ug/L	0	50	64	129	70-130	
Silver	ug/L	0	50	42	84.8	70-130	
Cadmium	ug/L	0	50	57	113	70-130	
Barium	ug/L	0.014	50	57	114	70-130	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

MATRIX SPIKE SAMPLE: 141469 Original: 1856654001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	0	20	4.5	22.6	70-130	
Lead	ug/L	0	50	48	95.5	70-130	

MATRIX SPIKE SAMPLE: 141471 Original: 1856653001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	ug/L	0.054	50	53	107	70-130	
Arsenic	ug/L	0	50	59	118	70-130	
Selenium	ug/L	0	50	63	127	70-130	
Silver	ug/L	0	50	38	76.4	70-130	
Cadmium	ug/L	0	50	52	105	70-130	
Barium	ug/L	61	50	110	104	70-130	
Mercury	ug/L	0	20	4.5	22.4	70-130	J4
Lead	ug/L	0	50	44	88.7	70-130	

SAMPLE DUPLICATE: 141468 Original: 1856654001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Chromium	ug/L	0.028	U	11.3	20	
Arsenic	ug/L	0	U	0	20	
Selenium	ug/L	0	U	0	20	
Silver	ug/L	0	U	0	20	
Cadmium	ug/L	0	U	0	20	
Barium	ug/L	0.014	U	19.4	20	
Mercury	ug/L	0	U	0	20	
Lead	ug/L	0	U	0	20	

SAMPLE DUPLICATE: 141470 Original: 1856653001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Chromium	ug/L	0.054	U	16	20	
Arsenic	ug/L	0	U	0	20	
Selenium	ug/L	0	U	0	20	
Silver	ug/L	0	U	0	20	
Cadmium	ug/L	0	U	0	20	
Barium	ug/L	61	59	3.33	20	
Mercury	ug/L	0	U	0	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

SAMPLE DUPLICATE: 141470 Original: 1856653001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Lead	ug/L	0	U	0	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

QC Batch: XXX/11006 Analysis Method: FL-PRO (GC)

QC Batch Method: EPA 3545

Associated Lab Samples: 1856675001 1856675003 1856675004 1856675006 1856675007 1856675008 1856675009 1856675010 1856675011 1856675012

METHOD BLANK: 141544

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
o-Terphenyl (S)	%	54	50-150	
n-Triacontane-d62 (S)	%	76	50-150	
Florida Pro Total	mg/Kg	U	5.00	

MATRIX SPIKE SAMPLE: 141547 Original: 1856675001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by GC							
o-Terphenyl (S)	%				56	50-150	
n-Triacontane-d62 (S)	%				67	50-150	
Florida Pro Total	mg/Kg	98.5	41	89.2	-23	51-215	J4h,J4

SAMPLE DUPLICATE: 141548 Original: 1856675003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Semivolatiles by GC						
o-Terphenyl (S)	%	2.31		22	20	J2,P1
n-Triacontane-d62 (S)	%	2.69		12	20	
Florida Pro Total	mg/Kg	333	271	27	20	P1

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

QC Batch: XXX/11007 Analysis Method: EPA 8270C

QC Batch Method: EPA 3545

Associated Lab Samples: 1856675001 1856675003 1856675004 1856675006 1856675007 1856675008 1856675009 1856675010 1856675011 1856675012

METHOD BLANK: 141549

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by EPA 8270C				
2-Fluorophenol (S)	%	65	25-120	
Phenol-d5 (S)	%	65	20-110	
Nitrobenzene-d5 (S)	%	61	20-120	
2-Fluorobiphenyl (S)	%	68	30-115	
2,4,6-Tribromophenol (S)	%	69	20-120	
p-Terphenyl-d14 (S)	%	86	15-140	
Pyridine	mg/Kg	U	0.081	
N-Nitrosodimethylamine	mg/Kg	U	0.033	
N-Nitrosodiethylamine	mg/Kg	U	0.042	
Aniline	mg/Kg	U	0.039	
Phenol	mg/Kg	U	0.037	
2-Chlorophenol	mg/Kg	U	0.036	
bis[2-Chloroethyl]ether	mg/Kg	U	0.041	
1,3-Dichlorobenzene	mg/Kg	U	0.037	
1,4-Dichlorobenzene	mg/Kg	U	0.040	
Benzyl alcohol	mg/Kg	U	0.042	
1,2-Dichlorobenzene	mg/Kg	U	0.047	
2-Methylphenol	mg/Kg	U	0.031	
bis[2-Chloroisopropyl]ether	mg/Kg	U	0.037	
Hexachloroethane	mg/Kg	U	0.041	
o-Toluidine	mg/Kg	U	0.039	
N-Nitrosodi-n-propylamine	mg/Kg	U	0.031	
Nitrobenzene	mg/Kg	U	0.040	
Isophorone	mg/Kg	U	0.034	
2,4-Dimethylphenol	mg/Kg	U	0.047	
2-Nitrophenol	mg/Kg	U	0.052	
bis[2-Chloroethoxy]methane	mg/Kg	U	0.037	
2,4-Dichlorophenol	mg/Kg	U	0.037	
1,2,4-Trichlorobenzene	mg/Kg	U	0.046	
Hexachlorobutadiene	mg/Kg	U	0.048	
Naphthalene	mg/Kg	U	0.035	
2,6-Dichlorophenol	mg/Kg	U	0.042	
4-Chloroaniline	mg/Kg	U	0.044	
4-Chloro-3-methylphenol	mg/Kg	U	0.030	
2-Methylnaphthalene	mg/Kg	U	0.031	
1-Methylnaphthalene	mg/Kg	U	0.024	
Hexachlorocyclopentadiene	mg/Kg	U	0.054	
1,2,4,5-Tetrachlorobenzene	mg/Kg	U	0.040	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

METHOD BLANK: 141549

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
2,4,6-Trichlorophenol	mg/Kg	U	0.035	
2,4,5-Trichlorophenol	mg/Kg	U	0.036	
2-Chloronaphthalene	mg/Kg	U	0.045	
2-Nitroaniline	mg/Kg	U	0.030	
Dimethyl phthalate	mg/Kg	U	0.025	
Acenaphthylene	mg/Kg	U	0.032	
2,6-Dinitrotoluene	mg/Kg	U	0.039	
Acenaphthene	mg/Kg	U	0.029	
3-Nitroaniline	mg/Kg	U	0.032	
4-Nitrophenol	mg/Kg	U	0.036	
Dibenzofuran	mg/Kg	U	0.029	
Pentachlorobenzene	mg/Kg	U	0.029	
2,3,4,6-Tetrachlorophenol	mg/Kg	U	0.033	
2,4-Dinitrophenol	mg/Kg	U	0.100	
Diethyl phthalate	mg/Kg	U	0.046	
2,4-Dinitrotoluene	mg/Kg	U	0.029	
4-Chlorophenyl phenyl ether	mg/Kg	U	0.024	
Fluorene	mg/Kg	U	0.020	
N-Nitrosodiphenylamine	mg/Kg	U	0.027	
4-Nitroaniline	mg/Kg	U	0.034	
4,6-Dinitro-2-methylphenol	mg/Kg	U	0.088	
4-Bromophenyl phenyl ether	mg/Kg	U	0.037	
Hexachlorobenzene	mg/Kg	U	0.028	
Pentachlorophenol	mg/Kg	U	0.053	
Phenanthrene	mg/Kg	U	0.027	
Anthracene	mg/Kg	U	0.031	
Di-n-butyl phthalate	mg/Kg	U	0.250	
Fluoranthene	mg/Kg	U	0.026	
Benzidine	mg/Kg	U	0.044	
Pyrene	mg/Kg	U	0.023	
Butyl benzyl phthalate	mg/Kg	U	0.066	
bis[2-Ethylhexyl]phthalate	mg/Kg	U	0.500	
3,3'-Dichlorobenzidine	mg/Kg	U	0.028	
Benzo(a)anthracene	mg/Kg	U	0.031	
Chrysene	mg/Kg	U	0.014	
3&4-Methylphenol	mg/Kg	U	0.035	
Di-n-octyl phthalate	mg/Kg	U	0.036	
Benzo(b)fluoranthene	mg/Kg	U	0.024	
Benzo(k)fluoranthene	mg/Kg	U	0.042	
Benzo(a)pyrene	mg/Kg	U	0.024	
Dibenzo(a,h)anthracene	mg/Kg	U	0.020	
Indeno(1,2,3-cd)pyrene	mg/Kg	U	0.012	
Benzo(g,h,i)perylene	mg/Kg	U	0.033	
Carbazole	mg/Kg	U	0.032	
1,1'-Biphenyl	mg/Kg	U	0.100	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

METHOD BLANK: 141549

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Atrazine	mg/Kg	U	0.100	
Benzaldehyde*	mg/Kg	U	0.100	
Caprolactam*	mg/Kg	U	1.25	
Acetophenone	mg/Kg	U	0.100	

LABORATORY CONTROL SAMPLE & LCSD: 141550 141551

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C										
2-Fluorophenol (S)	%				65	64	25-120	2	20	
Phenol-d5 (S)	%				70	66	20-110	6	20	
Nitrobenzene-d5 (S)	%				64	62	20-120	3	20	
2-Fluorobiphenyl (S)	%				70	69	30-115	2	20	
2,4,6-Tribromophenol (S)	%				67	66	20-120	2	20	
p-Terphenyl-d14 (S)	%				86	84	15-140	3	20	
Pyridine	mg/Kg		U	U				0	20	
N-Nitrosodimethylamine	mg/Kg		U	U				0	20	
N-Nitrosodiethylamine	mg/Kg		U	U				0	20	
Aniline	mg/Kg		U	U				0	20	
Phenol	mg/Kg	2.51	1.58	1.57	63	63	20-130	0.6	20	
2-Chlorophenol	mg/Kg	2.5	1.68	1.66	67	66	30-120	1	20	
bis[2-Chloroethyl]ether	mg/Kg		U	U				0	20	
1,3-Dichlorobenzene	mg/Kg		U	U				0	20	
1,4-Dichlorobenzene	mg/Kg	1.26	0.827	0.830	66	66	35-120	0.4	20	
Benzyl alcohol	mg/Kg		U	U				0	20	
1,2-Dichlorobenzene	mg/Kg		U	U				0	20	
2-Methylphenol	mg/Kg		U	U				0	20	
bis[2-Chloroisopropyl]ether	mg/Kg		U	U				0	20	
Hexachloroethane	mg/Kg		U	U				0	20	
o-Toluidine	mg/Kg		U	U				0	20	
N-Nitrosodi-n-propylamine	mg/Kg	1.25	0.619	0.610	49	49	30-140	1	20	
Nitrobenzene	mg/Kg		U	U				0	20	
Isophorone	mg/Kg		U	U				0	20	
2,4-Dimethylphenol	mg/Kg		U	U				0	20	
2-Nitrophenol	mg/Kg		U	U				0	20	
bis[2-Chloroethoxy]methane	mg/Kg		U	U				0	20	
2,4-Dichlorophenol	mg/Kg		U	U				0	20	
1,2,4-Trichlorobenzene	mg/Kg	1.25	0.854	0.857	68	68	21-147	0.4	20	
Hexachlorobutadiene	mg/Kg		U	U				0	20	
Naphthalene	mg/Kg		U	U				0	20	
2,6-Dichlorophenol	mg/Kg		U	U				0	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 141550 141551

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
4-Chloroaniline	mg/Kg		U	U				0	20	
4-Chloro-3-methylphenol	mg/Kg	2.5	1.52	1.50	61	60	30-130	1	20	
2-Methylnaphthalene	mg/Kg		U	U				0	20	
1-Methylnaphthalene	mg/Kg		U	U				0	20	
Hexachlorocyclopentadiene	mg/Kg		U	U				0	20	
1,2,4,5-Tetrachlorobenzene	mg/Kg		U	U				0	20	
2,4,6-Trichlorophenol	mg/Kg		U	U				0	20	
2,4,5-Trichlorophenol	mg/Kg		U	U				0	20	
2-Chloronaphthalene	mg/Kg		U	U				0	20	
2-Nitroaniline	mg/Kg		U	U				0	20	
Dimethyl phthalate	mg/Kg		U	U				0	20	
Acenaphthylene	mg/Kg		U	U				0	20	
2,6-Dinitrotoluene	mg/Kg		U	U				0	20	
Acenaphthene	mg/Kg	1.25	0.818	0.813	65	65	35-120	0.6	20	
3-Nitroaniline	mg/Kg		U	U				0	20	
4-Nitrophenol	mg/Kg	2.48	1.17	1.19	47	48	20-130	2	20	
Dibenzofuran	mg/Kg		U	U				0	20	
Pentachlorobenzene	mg/Kg		U	U				0	20	
2,3,4,6-Tetrachlorophenol	mg/Kg		U	U				0	20	
2,4-Dinitrophenol	mg/Kg		U	U				0	20	
Diethyl phthalate	mg/Kg		U	U				0	20	
2,4-Dinitrotoluene	mg/Kg	1.26	0.776	0.733	62	58	30-140	6	20	
4-Chlorophenyl phenyl ether	mg/Kg		U	U				0	20	
Fluorene	mg/Kg		U	U				0	20	
N-Nitrosodiphenylamine	mg/Kg		U	U				0	20	
4-Nitroaniline	mg/Kg		U	U				0	20	
4,6-Dinitro-2-methylphenol	mg/Kg		U	U				0	20	
4-Bromophenyl phenyl ether	mg/Kg		U	U				0	20	
Hexachlorobenzene	mg/Kg		U	U				0	20	
Pentachlorophenol	mg/Kg	2.48	1.74	1.62	70	66	20-120	7	20	
Phenanthrene	mg/Kg		U	U				0	20	
Anthracene	mg/Kg		U	U				0	20	
Di-n-butyl phthalate	mg/Kg		U	U				0	20	
Fluoranthene	mg/Kg		U	U				0	20	
Benzidine	mg/Kg		U	U				0	20	
Pyrene	mg/Kg	1.25	0.930	0.927	74	74	40-140	0.3	20	
Butyl benzyl phthalate	mg/Kg		U	U				0	20	
bis[2-Ethylhexyl]phthalate	mg/Kg		U	U				0	20	
3,3'-Dichlorobenzidine	mg/Kg		U	U				0	20	
Benzo(a)anthracene	mg/Kg		U	U				0	20	
Chrysene	mg/Kg		U	U				0	20	
3&4-Methylphenol	mg/Kg		U	U				0	20	
Di-n-octyl phthalate	mg/Kg		U	U				0	20	
Benzo(b)fluoranthene	mg/Kg		U	U				0	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 141550 141551

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Benzo(k)fluoranthene	mg/Kg		U	U				0	20	
Benzo(a)pyrene	mg/Kg		U	U				0	20	
Dibenzo(a,h)anthracene	mg/Kg		U	U				0	20	
Indeno(1,2,3-cd)pyrene	mg/Kg		U	U				0	20	
Benzo(g,h,i)perylene	mg/Kg		U	U				0	20	
Carbazole	mg/Kg		U	U				0	20	
1,1'-Biphenyl	mg/Kg		U	U				0	20	
Atrazine	mg/Kg		U	U				0	20	
Benzaldehyde*	mg/Kg		U	U				0	20	
Caprolactam*	mg/Kg		U	U				0	20	
Acetophenone	mg/Kg		U	U				0	20	

MATRIX SPIKE SAMPLE: 141552 Original: 1856675001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by EPA 8270C							
2-Fluorophenol (S)	%				40	25-120	
Phenol-d5 (S)	%				44	20-110	
Nitrobenzene-d5 (S)	%				42	20-120	
2-Fluorobiphenyl (S)	%				45	30-115	
2,4,6-Tribromophenol (S)	%				60	20-120	
p-Terphenyl-d14 (S)	%				58	15-140	
Pyridine	mg/Kg						
N-Nitrosodimethylamine	mg/Kg						
N-Nitrosodiethylamine	mg/Kg						
Aniline	mg/Kg						
Phenol	mg/Kg	0	3.2	1.34	42	20-130	
2-Chlorophenol	mg/Kg	0	3.2	1.36	43	30-120	
bis[2-Chloroethyl]ether	mg/Kg						
1,3-Dichlorobenzene	mg/Kg						
1,4-Dichlorobenzene	mg/Kg	0	1.61	0.613	38	35-120	
Benzyl alcohol	mg/Kg						
1,2-Dichlorobenzene	mg/Kg						
2-Methylphenol	mg/Kg						
bis[2-Chloroisopropyl]ether	mg/Kg						
Hexachloroethane	mg/Kg						
o-Toluidine	mg/Kg						
N-Nitrosodi-n-propylamine	mg/Kg	0	1.6	0.543	34	30-140	
Nitrobenzene	mg/Kg						

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

MATRIX SPIKE SAMPLE: 141552 Original: 1856675001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Isophorone	mg/Kg						
2,4-Dimethylphenol	mg/Kg						
2-Nitrophenol	mg/Kg						
bis[2-Chloroethoxy]methane	mg/Kg						
2,4-Dichlorophenol	mg/Kg						
1,2,4-Trichlorobenzene	mg/Kg	0	1.6	0.686	43	21-147	
Hexachlorobutadiene	mg/Kg						
Naphthalene	mg/Kg						
2,6-Dichlorophenol	mg/Kg						
4-Chloroaniline	mg/Kg						
4-Chloro-3-methylphenol	mg/Kg	0	3.2	1.65	52	30-130	
2-Methylnaphthalene	mg/Kg						
1-Methylnaphthalene	mg/Kg						
Hexachlorocyclopentadiene	mg/Kg						
1,2,4,5-Tetrachlorobenzene	mg/Kg						
2,4,6-Trichlorophenol	mg/Kg						
2,4,5-Trichlorophenol	mg/Kg						
2-Chloronaphthalene	mg/Kg						
2-Nitroaniline	mg/Kg						
Dimethyl phthalate	mg/Kg						
Acenaphthylene	mg/Kg						
2,6-Dinitrotoluene	mg/Kg						
Acenaphthene	mg/Kg	0	1.6	0.791	50	35-120	
3-Nitroaniline	mg/Kg						
4-Nitrophenol	mg/Kg	0	3.17	1.5	47	20-130	
Dibenzofuran	mg/Kg						
Pentachlorobenzene	mg/Kg						
2,3,4,6-Tetrachlorophenol	mg/Kg						
2,4-Dinitrophenol	mg/Kg						
Diethyl phthalate	mg/Kg						
2,4-Dinitrotoluene	mg/Kg	0	1.61	0.801	50	30-140	
4-Chlorophenyl phenyl ether	mg/Kg						
Fluorene	mg/Kg						
N-Nitrosodiphenylamine	mg/Kg						
4-Nitroaniline	mg/Kg						
4,6-Dinitro-2-methylphenol	mg/Kg						
4-Bromophenyl phenyl ether	mg/Kg						
Hexachlorobenzene	mg/Kg						
Pentachlorophenol	mg/Kg	0	3.16	2.15	68	20-120	
Phenanthrene	mg/Kg						
Anthracene	mg/Kg						
Di-n-butyl phthalate	mg/Kg						

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

MATRIX SPIKE SAMPLE: 141552 Original: 1856675001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Fluoranthene	mg/Kg						
Benzidine	mg/Kg						
Pyrene	mg/Kg	0.293	1.6	1.61	82	40-140	
Butyl benzyl phthalate	mg/Kg						
bis[2-Ethylhexyl]phthalate	mg/Kg						
3,3'-Dichlorobenzidine	mg/Kg						
Benzo(a)anthracene	mg/Kg						
Chrysene	mg/Kg						
3&4-Methylphenol	mg/Kg						
Di-n-octyl phthalate	mg/Kg						
Benzo(b)fluoranthene	mg/Kg						
Benzo(k)fluoranthene	mg/Kg						
Benzo(a)pyrene	mg/Kg						
Dibenzo(a,h)anthracene	mg/Kg						
Indeno(1,2,3-cd)pyrene	mg/Kg						
Benzo(g,h,i)perylene	mg/Kg						
Carbazole	mg/Kg						
1,1'-Biphenyl	mg/Kg						
Atrazine	mg/Kg						
Benzaldehyde*	mg/Kg						
Caprolactam*	mg/Kg						
Acetophenone	mg/Kg						

SAMPLE DUPLICATE: 141553 Original: 1856675003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C						
2-Fluorophenol (S)	%	0.718		52	20	J2,P1
Phenol-d5 (S)	%	0.746		58	20	J2,P1
Nitrobenzene-d5 (S)	%	0.718		56	20	J2,P1
2-Fluorobiphenyl (S)	%	0.91		45	20	J2,P1
2,4,6-Tribromophenol (S)	%	1.05		55	20	J2,P1
p-Terphenyl-d14 (S)	%	1.28		37	20	
Pyridine	mg/Kg	0	U	0	20	
N-Nitrosodimethylamine	mg/Kg	0	U	0	20	
N-Nitrosodiethylamine	mg/Kg	0	U	0	20	
Aniline	mg/Kg	0	U	0	20	
Phenol	mg/Kg	0	U	0	20	
2-Chlorophenol	mg/Kg	0	U	0	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

SAMPLE DUPLICATE: 141553 Original: 1856675003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
bis[2-Chloroethyl]ether	mg/Kg	0	U	0	20	
1,3-Dichlorobenzene	mg/Kg	0	U	0	20	
1,4-Dichlorobenzene	mg/Kg	0	U	0	20	
Benzyl alcohol	mg/Kg	0	U	0	20	
1,2-Dichlorobenzene	mg/Kg	0	U	0	20	
2-Methylphenol	mg/Kg	0	U	0	20	
bis[2-Chloroisopropyl]ether	mg/Kg	0	U	0	20	
Hexachloroethane	mg/Kg	0	U	0	20	
o-Toluidine	mg/Kg	0	U	0	20	
N-Nitrosodi-n-propylamine	mg/Kg	0	U	0	20	
Nitrobenzene	mg/Kg	0	U	0	20	
Isophorone	mg/Kg	0	U	0	20	
2,4-Dimethylphenol	mg/Kg	0	U	0	20	
2-Nitrophenol	mg/Kg	0	U	0	20	
bis[2-Chloroethoxy]methane	mg/Kg	0	U	0	20	
2,4-Dichlorophenol	mg/Kg	0	U	0	20	
1,2,4-Trichlorobenzene	mg/Kg	0	U	0	20	
Hexachlorobutadiene	mg/Kg	0	U	0	20	
Naphthalene	mg/Kg	0	U	0	20	
2,6-Dichlorophenol	mg/Kg	0	U	0	20	
4-Chloroaniline	mg/Kg	0	U	0	20	
4-Chloro-3-methylphenol	mg/Kg	0	U	0	20	
2-Methylnaphthalene	mg/Kg	0	U	0	20	
1-Methylnaphthalene	mg/Kg	0	U	0	20	
Hexachlorocyclopentadiene	mg/Kg	0	U	0	20	
1,2,4,5-Tetrachlorobenzene	mg/Kg	0	U	0	20	
2,4,6-Trichlorophenol	mg/Kg	0	U	0	20	
2,4,5-Trichlorophenol	mg/Kg	0	U	0	20	
2-Chloronaphthalene	mg/Kg	0	U	0	20	
2-Nitroaniline	mg/Kg	0	U	0	20	
Dimethyl phthalate	mg/Kg	0	U	0	20	
Acenaphthylene	mg/Kg	0	U	0	20	
2,6-Dinitrotoluene	mg/Kg	0	U	0	20	
Acenaphthene	mg/Kg	0	U	0	20	
3-Nitroaniline	mg/Kg	0	U	0	20	
4-Nitrophenol	mg/Kg	0	U	0	20	
Dibenzofuran	mg/Kg	0	U	0	20	
Pentachlorobenzene	mg/Kg	0	U	0	20	
2,3,4,6-Tetrachlorophenol	mg/Kg	0	U	0	20	
2,4-Dinitrophenol	mg/Kg	0	U	0	20	
Diethyl phthalate	mg/Kg	0	U	0	20	
2,4-Dinitrotoluene	mg/Kg	0	U	0	20	
4-Chlorophenyl phenyl ether	mg/Kg	0	U	0	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

SAMPLE DUPLICATE: 141553 Original: 1856675003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Fluorene	mg/Kg	0	U	0	20	
N-Nitrosodiphenylamine	mg/Kg	0	U	0	20	
4-Nitroaniline	mg/Kg	0	U	0	20	
4,6-Dinitro-2-methylphenol	mg/Kg	0	U	0	20	
4-Bromophenyl phenyl ether	mg/Kg	0	U	0	20	
Hexachlorobenzene	mg/Kg	0	U	0	20	
Pentachlorophenol	mg/Kg	0	U	0	20	
Phenanthrene	mg/Kg	0.107	0.126i	10	20	
Anthracene	mg/Kg	0	U	0	20	
Di-n-butyl phthalate	mg/Kg	0	U	0	20	
Fluoranthene	mg/Kg	0.497	0.616	15	20	
Benzidine	mg/Kg	0	U	0	20	
Pyrene	mg/Kg	0.428	0.542	17	20	
Butyl benzyl phthalate	mg/Kg	0	0.396	200	20	P1
bis[2-Ethylhexyl]phthalate	mg/Kg	0	U	200	20	P1
3,3'-Dichlorobenzidine	mg/Kg	0	U	0	20	
Benzo(a)anthracene	mg/Kg	0.258	0.328	18	20	
Chrysene	mg/Kg	0.364	0.428	10	20	
3&4-Methylphenol	mg/Kg	0	U	0	20	
Di-n-octyl phthalate	mg/Kg	0	U	0	20	
Benzo(b)fluoranthene	mg/Kg	0.583	0.703	12	20	
Benzo(k)fluoranthene	mg/Kg	0.222	0.279	17	20	
Benzo(a)pyrene	mg/Kg	0.404	0.518	19	20	
Dibenzo(a,h)anthracene	mg/Kg	0.156	0.202	20	20	
Indeno(1,2,3-cd)pyrene	mg/Kg	0.407	0.514	17	20	
Benzo(g,h,i)perylene	mg/Kg	0.348	0.453	20	20	
Carbazole	mg/Kg	0.059	0.068i	8	20	
1,1'-Biphenyl	mg/Kg	0	U	0	20	
Atrazine	mg/Kg	0	U	0	20	
Benzaldehyde*	mg/Kg	0	U	0	20	
Caprolactam*	mg/Kg	0	U	0	20	
Acetophenone	mg/Kg	0	U	0	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

QC Batch: MXX/9656 Analysis Method: EPA 6020

QC Batch Method: EPA 3050B

Associated Lab Samples: 1856672014 1856672016 1856672017 1856675001 1856675003 1856675004 1856675006 1856675007 1856675008 1856675009 1856675010 1856675011 1856675012

METHOD BLANK: 141607

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chromium	mg/Kg	U	0.11	
Arsenic	mg/Kg	U	0.041	
Selenium	mg/Kg	U	0.23	
Silver	mg/Kg	U	0.035	
Cadmium	mg/Kg	U	0.046	
Barium	mg/Kg	U	0.11	
Mercury	mg/Kg	U	0.061	
Lead	mg/Kg	U	0.039	

LABORATORY CONTROL SAMPLE & LCSD: 141608 141609

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chromium	mg/Kg	10	10	10	104	102	80-120	0	20	
Arsenic	mg/Kg	10	10	10	103	102	80-120	0	20	
Selenium	mg/Kg	10	10	10	102	102	80-120	0	20	
Silver	mg/Kg	10	9.2	10	92.1	104	80-120	8.33	20	
Cadmium	mg/Kg	10	10	11	103	108	80-120	9.52	20	
Barium	mg/Kg	10	10	11	101	105	80-120	9.52	20	
Mercury	mg/Kg	1.3	1.3	1.4	100	109	80-120	7.41	20	
Lead	mg/Kg	10	11	11	106	110	80-120	0	20	

MATRIX SPIKE SAMPLE: 141611 Original: 1856672017

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	mg/Kg	2.1	20	23	106	75-125	
Arsenic	mg/Kg	0.13	20	21	103	75-125	
Selenium	mg/Kg	0	20	20	100	75-125	
Silver	mg/Kg	0.034	20	24	119	75-125	
Cadmium	mg/Kg	0	20	21	105	75-125	
Barium	mg/Kg	3.6	20	25	107	75-125	
Mercury	mg/Kg	0.037	2.5	2.8	109	75-125	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

MATRIX SPIKE SAMPLE: 141611 Original: 1856672017

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/Kg	2.2	20	24	109	75-125	

SAMPLE DUPLICATE: 141610 Original: 1856672017

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Chromium	mg/Kg	2.1	2.0	10	20	
Arsenic	mg/Kg	0.13	0.14i	7.41	20	
Selenium	mg/Kg	0	U	0	20	
Silver	mg/Kg	0.034	U	61.5	20	P1
Cadmium	mg/Kg	0	U	0	20	
Barium	mg/Kg	3.6	3.6	2.82	20	
Mercury	mg/Kg	0.037	U	27.7	20	P1
Lead	mg/Kg	2.2	2.2	4.65	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

QC Batch: VXX/8067 Analysis Method: EPA 8260C

QC Batch Method: EPA 5035

Associated Lab Samples: 1856617001 1856617002 1856672001 1856672002 1856672004 1856672005 1856672007 1856672008 1856672010 1856672011 1856672013 1856672014 1856672016 1856672017 1856675001 1856675003 1856675004

METHOD BLANK: 141774

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Volatiles by GC/MS				
Dibromofluoromethane (S)	%	100	60-135	
Toluene d8 (S)	%	97	60-135	
4-Bromofluorobenzene (S)	%	103	60-135	
Dichlorodifluoromethane	mg/Kg	U	0.00037	
Chloromethane	mg/Kg	U	0.00068	
Vinyl chloride	mg/Kg	U	0.00098	
Bromomethane	mg/Kg	U	0.0015	
Chloroethane	mg/Kg	U	0.00058	
Trichlorofluoromethane	mg/Kg	U	0.00075	
Acrolein	mg/Kg	U	0.0047	
Acetone	mg/Kg	U	0.0031	
1,1-Dichloroethene	mg/Kg	U	0.00090	
Iodomethane	mg/Kg	U	0.00043	
Acrylonitrile	mg/Kg	U	0.0075	
Methylene chloride	mg/Kg	U	0.0050	
Carbon disulfide	mg/Kg	U	0.00072	
trans-1,2-Dichloroethene	mg/Kg	U	0.00089	
tert-Butyl methyl ether (MTBE)	mg/Kg	U	0.0011	
1,1-Dichloroethane	mg/Kg	U	0.00078	
Vinyl acetate	mg/Kg	U	0.00082	
Methyl ethyl ketone (MEK)	mg/Kg	U	0.0015	
cis-1,2-Dichloroethene	mg/Kg	U	0.00044	
Bromochloromethane	mg/Kg	U	0.0011	
Chloroform	mg/Kg	U	0.0066	
2,2-Dichloropropane	mg/Kg	U	0.00053	
1,2-Dichloroethane	mg/Kg	U	0.00084	
1,1,1-Trichloroethane	mg/Kg	U	0.00055	
1,1-Dichloropropene	mg/Kg	U	0.00047	
Carbon tetrachloride	mg/Kg	U	0.00054	
Benzene	mg/Kg	U	0.00046	
Dibromomethane	mg/Kg	U	0.0011	
1,2-Dichloropropane	mg/Kg	U	0.00060	
Trichloroethene	mg/Kg	U	0.00078	
Bromodichloromethane	mg/Kg	U	0.00036	
cis-1,3-Dichloropropene	mg/Kg	U	0.00056	
4-methyl-2-pentanone	mg/Kg	U	0.00054	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

METHOD BLANK: 141774

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
trans-1,3-Dichloropropene	mg/Kg	U	0.00044	
1,1,2-Trichloroethane	mg/Kg	U	0.00051	
Toluene	mg/Kg	U	0.00040	
1,3-Dichloropropane	mg/Kg	U	0.00045	
Ethyl methacrylate	mg/Kg	U	0.00036	
Dibromochloromethane	mg/Kg	U	0.00057	
2-Hexanone	mg/Kg	U	0.0012	
1,2-Dibromoethane (EDB)	mg/Kg	U	0.00048	
Tetrachloroethene	mg/Kg	U	0.00045	
1,1,1,2-Tetrachloroethane	mg/Kg	U	0.00060	
Chlorobenzene	mg/Kg	U	0.00043	
Ethylbenzene	mg/Kg	U	0.00033	
m & p-xylene	mg/Kg	U	0.00064	
Bromoform	mg/Kg	U	0.00075	
t-1,4-Dichloro-2-butene	mg/Kg	U	0.0071	
Styrene	mg/Kg	U	0.00031	
1,1,2,2-Tetrachloroethane	mg/Kg	U	0.00048	
o-Xylene	mg/Kg	U	0.00035	
1,2,3-Trichloropropane	mg/Kg	U	0.0012	
cis-1,4-Dichloro-2-butene	mg/Kg	U	0.00093	
Isopropylbenzene (Cumene)	mg/Kg	U	0.00033	
Bromobenzene	mg/Kg	U	0.00037	
n-propylbenzene	mg/Kg	U	0.00030	
2-Chlorotoluene	mg/Kg	U	0.00037	
1,3,5-Trimethylbenzene	mg/Kg	U	0.00021	
4-Chlorotoluene	mg/Kg	U	0.00032	
tert-Butylbenzene	mg/Kg	U	0.00029	
1,2,4-Trimethylbenzene	mg/Kg	U	0.00075	
sec-Butylbenzene	mg/Kg	U	0.00023	
1,3-Dichlorobenzene	mg/Kg	U	0.00031	
1,4-Dichlorobenzene	mg/Kg	U	0.00034	
4-Isopropyltoluene	mg/Kg	U	0.00024	
1,2-Dichlorobenzene	mg/Kg	U	0.00029	
n-Butylbenzene	mg/Kg	U	0.00026	
1,2-DBCP	mg/Kg	U	0.00021	
1,2,4-Trichlorobenzene	mg/Kg	U	0.00022	
Naphthalene	mg/Kg	U	0.0050	
Hexachlorobutadiene	mg/Kg	U	0.00022	
1,2,3-Trichlorobenzene	mg/Kg	U	0.00014	
Xylenes- Total	mg/Kg	U	0.00099	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 141777 141778

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				98	87	60-135	12	30	
Toluene d8 (S)	%				95	98	60-135	3	30	
4-Bromofluorobenzene (S)	%				94	117	60-135	23	30	
Dichlorodifluoromethane	mg/Kg		U	U				0	30	
Chloromethane	mg/Kg		U	U				0	30	
Vinyl chloride	mg/Kg		U	U				0	30	
Bromomethane	mg/Kg		U	U				0	30	
Chloroethane	mg/Kg		U	U				0	30	
Trichlorofluoromethane	mg/Kg		U	U				0	30	
Acrolein	mg/Kg	0.25	0.202	0.195	81	78	50-135	4	30	
Acetone	mg/Kg		U	U				0	30	
1,1-Dichloroethene	mg/Kg		U	U				0	30	
Iodomethane	mg/Kg		U	U				0	30	
Acrylonitrile	mg/Kg	0.25	0.232	0.237	93	95	50-135	2	30	
Methylene chloride	mg/Kg		U	U				0	30	
Carbon disulfide	mg/Kg		U	U				0	30	
trans-1,2-Dichloroethene	mg/Kg		U	U				0	30	
tert-Butyl methyl ether (MTBE)	mg/Kg		U	U				0	30	
1,1-Dichloroethane	mg/Kg		U	U				0	30	
Vinyl acetate	mg/Kg		U	U				0	30	
Methyl ethyl ketone (MEK)	mg/Kg		U	U				0	30	
cis-1,2-Dichloroethene	mg/Kg		U	U				0	30	
Bromochloromethane	mg/Kg		U	U				0	30	
Chloroform	mg/Kg		U	U				0	30	
2,2-Dichloropropane	mg/Kg		U	U				0	30	
1,2-Dichloroethane	mg/Kg		U	U				0	30	
1,1,1-Trichloroethane	mg/Kg		U	U				0	30	
1,1-Dichloropropene	mg/Kg		U	U				0	30	
Carbon tetrachloride	mg/Kg		U	U				0	30	
Benzene	mg/Kg		U	U				0	30	
Dibromomethane	mg/Kg		U	U				0	30	
1,2-Dichloropropane	mg/Kg		U	U				0	30	
Trichloroethene	mg/Kg		U	U				0	30	
Bromodichloromethane	mg/Kg		U	U				0	30	
cis-1,3-Dichloropropene	mg/Kg		U	U				0	30	
4-methyl-2-pentanone	mg/Kg		U	U				0	30	
trans-1,3-Dichloropropene	mg/Kg		U	U				0	30	
1,1,2-Trichloroethane	mg/Kg		U	U				0	30	
Toluene	mg/Kg		U	U				0	30	
1,3-Dichloropropane	mg/Kg		U	U				0	30	
Ethyl methacrylate	mg/Kg		U	U				0	30	
Dibromochloromethane	mg/Kg		U	U				0	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 141777 141778

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
2-Hexanone	mg/Kg		U	U				0	30	
1,2-Dibromoethane (EDB)	mg/Kg		U	U				0	30	
Tetrachloroethene	mg/Kg		U	U				0	30	
1,1,1,2-Tetrachloroethane	mg/Kg		U	U				0	30	
Chlorobenzene	mg/Kg		U	U				0	30	
Ethylbenzene	mg/Kg		U	U				0	30	
m & p-xylene	mg/Kg		U	U				0	30	
Bromoform	mg/Kg		U	U				0	30	
t-1,4-Dichloro-2-butene	mg/Kg		U	U				0	30	
Styrene	mg/Kg		U	U				0	30	
1,1,2,2-Tetrachloroethane	mg/Kg		U	U				0	30	
o-Xylene	mg/Kg		U	U				0	30	
1,2,3-Trichloropropane	mg/Kg		U	U				0	30	
cis-1,4-Dichloro-2-butene	mg/Kg		U	U				0	30	
Isopropylbenzene (Cumene)	mg/Kg		U	U				0	30	
Bromobenzene	mg/Kg		U	U				0	30	
n-propylbenzene	mg/Kg		U	U				0	30	
2-Chlorotoluene	mg/Kg		U	U				0	30	
1,3,5-Trimethylbenzene	mg/Kg		U	U				0	30	
4-Chlorotoluene	mg/Kg		U	U				0	30	
tert-Butylbenzene	mg/Kg		U	U				0	30	
1,2,4-Trimethylbenzene	mg/Kg		U	U				0	30	
sec-Butylbenzene	mg/Kg		U	U				0	30	
1,3-Dichlorobenzene	mg/Kg		U	U				0	30	
1,4-Dichlorobenzene	mg/Kg		U	U				0	30	
4-Isopropyltoluene	mg/Kg		U	U				0	30	
1,2-Dichlorobenzene	mg/Kg		U	U				0	30	
n-Butylbenzene	mg/Kg		U	U				0	30	
1,2-DBCP	mg/Kg		U	U				0	30	
1,2,4-Trichlorobenzene	mg/Kg		U	U				0	30	
Naphthalene	mg/Kg		U	U				0	30	
Hexachlorobutadiene	mg/Kg		U	U				0	30	
1,2,3-Trichlorobenzene	mg/Kg		U	U				0	30	
Xylenes- Total	mg/Kg		U	U				0	30	

SAMPLE DUPLICATE: 141779 Original: 1856617002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Volatiles by GC/MS						
Dibromofluoromethane (S)	%	36.2		41	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

SAMPLE DUPLICATE: 141779 Original: 1856617002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Toluene d8 (S)	%	34.2		42	30	
4-Bromofluorobenzene (S)	%	34.8		41	30	
Dichlorodifluoromethane	mg/Kg	0	U	0	30	
Chloromethane	mg/Kg	0	U	0	30	
Vinyl chloride	mg/Kg	0	U	0	30	
Bromomethane	mg/Kg	0	U	0	30	
Chloroethane	mg/Kg	0	U	0	30	
Trichlorofluoromethane	mg/Kg	0	U	0	30	
Acrolein	mg/Kg	0	U	0	30	
Acetone	mg/Kg	0.162	0.430	64	30	
1,1-Dichloroethene	mg/Kg	0	U	0	30	
Iodomethane	mg/Kg	0	U	0	30	
Acrylonitrile	mg/Kg	0	U	0	30	
Methylene chloride	mg/Kg	0.026	0.0096	115	30	P1
Carbon disulfide	mg/Kg	0	U	0	30	
trans-1,2-Dichloroethene	mg/Kg	0	U	0	30	
tert-Butyl methyl ether (MTBE)	mg/Kg	0	U	0	30	
1,1-Dichloroethane	mg/Kg	0	U	0	30	
Vinyl acetate	mg/Kg	0	U	0	30	
Methyl ethyl ketone (MEK)	mg/Kg	0.013	0.023	27	30	
cis-1,2-Dichloroethene	mg/Kg	0	U	0	30	
Bromochloromethane	mg/Kg	0	U	0	30	
Chloroform	mg/Kg	0	U	0	30	
2,2-Dichloropropane	mg/Kg	0	U	0	30	
1,2-Dichloroethane	mg/Kg	0	U	0	30	
1,1,1-Trichloroethane	mg/Kg	0	U	0	30	
1,1-Dichloropropene	mg/Kg	0	U	0	30	
Carbon tetrachloride	mg/Kg	0	U	0	30	
Benzene	mg/Kg	0	U	0	30	
Dibromomethane	mg/Kg	0	U	0	30	
1,2-Dichloropropane	mg/Kg	0	U	0	30	
Trichloroethene	mg/Kg	0	U	0	30	
Bromodichloromethane	mg/Kg	0	U	0	30	
cis-1,3-Dichloropropene	mg/Kg	0	U	0	30	
4-methyl-2-pentanone	mg/Kg	0	U	0	30	
trans-1,3-Dichloropropene	mg/Kg	0	U	0	30	
1,1,2-Trichloroethane	mg/Kg	0	U	0	30	
Toluene	mg/Kg	0	U	0	30	
1,3-Dichloropropane	mg/Kg	0	U	0	30	
Ethyl methacrylate	mg/Kg	0	U	0	30	
Dibromochloromethane	mg/Kg	0	U	0	30	
2-Hexanone	mg/Kg	0	U	0	30	
1,2-Dibromoethane (EDB)	mg/Kg	0	U	0	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

SAMPLE DUPLICATE: 141779 Original: 1856617002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Tetrachloroethene	mg/Kg	0	U	0	30	
1,1,1,2-Tetrachloroethane	mg/Kg	0	U	0	30	
Chlorobenzene	mg/Kg	0	U	0	30	
Ethylbenzene	mg/Kg	0	U	0	30	
m & p-xylene	mg/Kg	0	U	0	30	
Bromoform	mg/Kg	0	U	0	30	
t-1,4-Dichloro-2-butene	mg/Kg	0	U	0	30	
Styrene	mg/Kg	0	U	0	30	
1,1,2,2-Tetrachloroethane	mg/Kg	0	U	0	30	
o-Xylene	mg/Kg	0	U	0	30	
1,2,3-Trichloropropane	mg/Kg	0	U	0	30	
cis-1,4-Dichloro-2-butene	mg/Kg	0	U	0	30	
Isopropylbenzene (Cumene)	mg/Kg	0	U	0	30	
Bromobenzene	mg/Kg	0	U	0	30	
n-propylbenzene	mg/Kg	0	U	0	30	
2-Chlorotoluene	mg/Kg	0	U	0	30	
1,3,5-Trimethylbenzene	mg/Kg	0	U	0	30	
4-Chlorotoluene	mg/Kg	0	U	0	30	
tert-Butylbenzene	mg/Kg	0	U	0	30	
1,2,4-Trimethylbenzene	mg/Kg	0	U	0	30	
sec-Butylbenzene	mg/Kg	0	U	0	30	
1,3-Dichlorobenzene	mg/Kg	0	U	0	30	
1,4-Dichlorobenzene	mg/Kg	0	U	0	30	
4-Isopropyltoluene	mg/Kg	0	U	0	30	
1,2-Dichlorobenzene	mg/Kg	0	U	0	30	
n-Butylbenzene	mg/Kg	0	U	0	30	
1,2-DBCP	mg/Kg	0	U	0	30	
1,2,4-Trichlorobenzene	mg/Kg	0	U	0	30	
Naphthalene	mg/Kg	0	U	0	30	
Hexachlorobutadiene	mg/Kg	0	U	0	30	
1,2,3-Trichlorobenzene	mg/Kg	0	U	0	30	
Xylenes- Total	mg/Kg	0	U	0	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

QC Batch: XXX/11015 Analysis Method: FL-PRO (GC)

QC Batch Method: EPA 3510C

Associated Lab Samples: 1856675002 1856675005 1856675013 1856696002 1856704001 1856704002 1856732001 1856733001 1856737001

METHOD BLANK: 141828

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
o-Terphenyl (S)	%	58	50-150	
n-Triacontane-d62 (S)	%	60	50-150	
Florida Pro Total	mg/L	U	0.080	

LABORATORY CONTROL SAMPLE & LCSD: 141829 141830

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
o-Terphenyl (S)	%				73	71	50-150	4	20	
n-Triacontane-d62 (S)	%				80	77	50-150	3	20	
Florida Pro Total	mg/L	0.68	0.419	0.447	62	66	55-118	6	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

QC Batch: XXX/11016 Analysis Method: EPA 8270C

QC Batch Method: EPA 3510C

Associated Lab Samples: 1856675002 1856675005 1856675013 1856704001 1856704002 1856732001 1856733001

METHOD BLANK: 141831

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by EPA 8270C				
2-Fluorophenol (S)	%	33	20-110	
Phenol-d5 (S)	%	24	10-110	
Nitrobenzene-d5 (S)	%	52	30-110	
2-Fluorobiphenyl (S)	%	52	40-110	
2,4,6-Tribromophenol (S)	%	63	10-120	
p-Terphenyl-d14 (S)	%	65	30-140	
Pyridine	ug/L	U	2.61	
N-Nitrosodimethylamine	ug/L	U	0.750	
N-Nitrosodiethylamine	ug/L	U	0.743	
Aniline	ug/L	U	1.52	
Phenol	ug/L	U	0.170	
2-Chlorophenol	ug/L	U	0.450	
bis[2-Chloroethyl]ether	ug/L	U	0.610	
1,3-Dichlorobenzene	ug/L	U	0.890	
1,4-Dichlorobenzene	ug/L	U	0.950	
Benzyl alcohol	ug/L	U	0.310	
1,2-Dichlorobenzene	ug/L	U	0.650	
2-Methylphenol	ug/L	U	0.360	
bis[2-Chloroisopropyl]ether	ug/L	U	0.770	
Hexachloroethane	ug/L	U	1.00	
o-Toluidine	ug/L	U	1.43	
N-Nitrosodi-n-propylamine	ug/L	U	0.620	
Nitrobenzene	ug/L	U	0.560	
Isophorone	ug/L	U	0.480	
2,4-Dimethylphenol	ug/L	U	0.870	
2-Nitrophenol	ug/L	U	0.590	
bis[2-Chloroethoxy]methane	ug/L	U	0.420	
2,4-Dichlorophenol	ug/L	U	0.620	
1,2,4-Trichlorobenzene	ug/L	U	0.920	
Hexachlorobutadiene	ug/L	U	1.07	
Naphthalene	ug/L	U	0.800	
2,6-Dichlorophenol	ug/L	U	0.600	
4-Chloroaniline	ug/L	U	1.34	
4-Chloro-3-methylphenol	ug/L	U	0.600	
2-Methylnaphthalene	ug/L	U	0.470	
1-Methylnaphthalene	ug/L	U	0.540	
Hexachlorocyclopentadiene	ug/L	U	0.770	
1,2,4,5-Tetrachlorobenzene	ug/L	U	0.520	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

METHOD BLANK: 141831

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
2,4,6-Trichlorophenol	ug/L	U	0.470	
2,4,5-Trichlorophenol	ug/L	U	0.440	
2-Chloronaphthalene	ug/L	U	0.410	
2-Nitroaniline	ug/L	U	0.580	
Dimethyl phthalate	ug/L	U	0.490	
Acenaphthylene	ug/L	U	0.460	
2,6-Dinitrotoluene	ug/L	U	0.560	
Acenaphthene	ug/L	U	0.550	
3-Nitroaniline	ug/L	U	0.600	
4-Nitrophenol	ug/L	U	0.320	
Dibenzofuran	ug/L	U	0.570	
Pentachlorobenzene	ug/L	U	0.750	
2,3,4,6-Tetrachlorophenol	ug/L	U	0.470	
2,4-Dinitrophenol	ug/L	U	0.790	
Diethyl phthalate	ug/L	U	2.37	
2,4-Dinitrotoluene	ug/L	U	0.610	
4-Chlorophenyl phenyl ether	ug/L	U	0.600	
Fluorene	ug/L	U	0.650	
N-Nitrosodiphenylamine	ug/L	U	0.440	
4-Nitroaniline	ug/L	U	0.540	
4,6-Dinitro-2-methylphenol	ug/L	U	0.640	
4-Bromophenyl phenyl ether	ug/L	U	0.670	
Hexachlorobenzene	ug/L	U	0.590	
Pentachlorophenol	ug/L	U	0.750	
Phenanthrene	ug/L	U	0.550	
Anthracene	ug/L	U	0.620	
Di-n-butyl phthalate	ug/L	U	0.670	
Fluoranthene	ug/L	U	0.600	
Benzidine	ug/L	U	5.92	
Pyrene	ug/L	U	0.630	
Butyl benzyl phthalate	ug/L	U	0.600	
bis[2-Ethylhexyl]phthalate	ug/L	U	2.00	
3,3'-Dichlorobenzidine	ug/L	U	0.760	
Benzo(a)anthracene	ug/L	U	0.800	
Chrysene	ug/L	U	0.500	
3&4-Methylphenol	ug/L	U	0.440	
Di-n-octyl phthalate	ug/L	U	0.500	
Benzo(b)fluoranthene	ug/L	U	0.690	
Benzo(k)fluoranthene	ug/L	U	0.800	
Benzo(a)pyrene	ug/L	U	0.610	
Dibenzo(a,h)anthracene	ug/L	U	0.660	
Indeno(1,2,3-cd)pyrene	ug/L	U	0.730	
Benzo(g,h,i)perylene	ug/L	U	0.620	
Carbazole	ug/L	U	0.630	
1,1'-Biphenyl	ug/L	U	4.00	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

METHOD BLANK: 141831

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Acetophenone	ug/L	U	3.00	
Caprolactam*	ug/L	U	25.0	
Atrazine	ug/L	U	2.00	
Benzaldehyde*	ug/L	U	4.00	

LABORATORY CONTROL SAMPLE & LCSD: 141832 141833

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C										
2-Fluorophenol (S)	%				31	33	20-110	8	40	
Phenol-d5 (S)	%				21	22	10-110	3	40	
Nitrobenzene-d5 (S)	%				48	55	30-110	15	40	
2-Fluorobiphenyl (S)	%				51	59	40-110	18	40	
2,4,6-Tribromophenol (S)	%				60	60	10-120	0	40	
p-Terphenyl-d14 (S)	%				69	70	30-140	0	40	
Pyridine	ug/L		U	U				0	40	
N-Nitrosodimethylamine	ug/L		U	U				0	40	
N-Nitrosodiethylamine	ug/L		U	U				0	40	
Aniline	ug/L		U	U				0	40	
Phenol	ug/L	50.2	10.2	10.9	20	22	20-100	7	40	
2-Chlorophenol	ug/L	50.1	23.3	25.4	47	51	30-120	9	40	
bis[2-Chloroethyl]ether	ug/L		U	U				0	40	
1,3-Dichlorobenzene	ug/L		U	U				0	40	
1,4-Dichlorobenzene	ug/L	25.2	9.31	9.58	37	38	20-100	3	40	
Benzyl alcohol	ug/L		U	U				0	40	
1,2-Dichlorobenzene	ug/L		U	U				0	40	
2-Methylphenol	ug/L		U	U				0	40	
bis[2-Chloroisopropyl]ether	ug/L		U	U				0	40	
Hexachloroethane	ug/L		U	U				0	40	
o-Toluidine	ug/L		U	U				0	40	
N-Nitrosodi-n-propylamine	ug/L	25.1	11.3	11.8	45	47	30-140	4	40	
Nitrobenzene	ug/L		U	U				0	40	
Isophorone	ug/L		U	U				0	40	
2,4-Dimethylphenol	ug/L		U	U				0	40	
2-Nitrophenol	ug/L		U	U				0	40	
bis[2-Chloroethoxy]methane	ug/L		U	U				0	40	
2,4-Dichlorophenol	ug/L		U	U				0	40	
1,2,4-Trichlorobenzene	ug/L	25	9.85	10.4	39	42	35-135	5	40	
Hexachlorobutadiene	ug/L		U	U				0	40	
Naphthalene	ug/L		U	U				0	40	
2,6-Dichlorophenol	ug/L		U	U				0	40	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 141832 141833

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
4-Chloroaniline	ug/L		U	U				0	40	
4-Chloro-3-methylphenol	ug/L	50.1	27.2	27.4	54	55	30-130	0.7	40	
2-Methylnaphthalene	ug/L		U	U				0	40	
1-Methylnaphthalene	ug/L		U	U				0	40	
Hexachlorocyclopentadiene	ug/L		U	U				0	40	
1,2,4,5-Tetrachlorobenzene	ug/L		U	U				0	40	
2,4,6-Trichlorophenol	ug/L		U	U				0	40	
2,4,5-Trichlorophenol	ug/L		U	U				0	40	
2-Chloronaphthalene	ug/L		U	U				0	40	
2-Nitroaniline	ug/L		U	U				0	40	
Dimethyl phthalate	ug/L		U	U				0	40	
Acenaphthylene	ug/L		U	U				0	40	
2,6-Dinitrotoluene	ug/L		U	U				0	40	
Acenaphthene	ug/L	25	11.9	12.6	48	50	30-120	6	40	
3-Nitroaniline	ug/L		U	U				0	40	
4-Nitrophenol	ug/L	49.6	12.4	11.0	25	22	20-100	12	40	
Dibenzofuran	ug/L		U	U				0	40	
Pentachlorobenzene	ug/L		U	U				0	40	
2,3,4,6-Tetrachlorophenol	ug/L		U	U				0	40	
2,4-Dinitrophenol	ug/L		U	U				0	40	
Diethyl phthalate	ug/L		U	U				0	40	
2,4-Dinitrotoluene	ug/L	25.2	13.5	12.5	53	50	30-140	8	40	
4-Chlorophenyl phenyl ether	ug/L		U	U				0	40	
Fluorene	ug/L		U	U				0	40	
N-Nitrosodiphenylamine	ug/L		U	U				0	40	
4-Nitroaniline	ug/L		U	U				0	40	
4,6-Dinitro-2-methylphenol	ug/L		U	U				0	40	
4-Bromophenyl phenyl ether	ug/L		U	U				0	40	
Hexachlorobenzene	ug/L		U	U				0	40	
Pentachlorophenol	ug/L	49.6	33.2	32.7	67	66	20-120	2	40	
Phenanthrene	ug/L		U	U				0	40	
Anthracene	ug/L		U	U				0	40	
Di-n-butyl phthalate	ug/L		U	U				0	40	
Fluoranthene	ug/L		U	U				0	40	
Benzidine	ug/L		U	U				0	40	
Pyrene	ug/L	25	16.1	16.8	64	67	40-140	4	40	
Butyl benzyl phthalate	ug/L		U	U				0	40	
bis[2-Ethylhexyl]phthalate	ug/L		U	U				0	40	
3,3'-Dichlorobenzidine	ug/L		U	U				0	40	
Benzo(a)anthracene	ug/L		U	U				0	40	
Chrysene	ug/L		U	U				0	40	
3&4-Methylphenol	ug/L		U	U				0	40	
Di-n-octyl phthalate	ug/L		U	U				0	40	
Benzo(b)fluoranthene	ug/L		U	U				0	40	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 141832 141833

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Benzo(k)fluoranthene	ug/L		U	U				0	40	
Benzo(a)pyrene	ug/L		U	U				0	40	
Dibenzo(a,h)anthracene	ug/L		U	U				0	40	
Indeno(1,2,3-cd)pyrene	ug/L		U	U				0	40	
Benzo(g,h,i)perylene	ug/L		U	U				0	40	
Carbazole	ug/L		U	U				0		
1,1'-Biphenyl	ug/L		U	U				0	40	
Acetophenone	ug/L		U	U				0	40	
Caprolactam*	ug/L		U	U				0	40	
Atrazine	ug/L		U	U				0	40	
Benzaldehyde*	ug/L		U	U				0	40	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

QC Batch: VXX/8072 Analysis Method: EPA 8260C

QC Batch Method: EPA 5030B

Associated Lab Samples: 1856675002 1856675005 1856675013 1856695001 1856695002 1856695003 1856695004 1856695005 1856765001 1856765002

METHOD BLANK: 142147

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Volatiles by GC/MS				
Dibromofluoromethane (S)	%	101	70-130	
Toluene d8 (S)	%	105	70-130	
4-Bromofluorobenzene (S)	%	103	70-130	
Dichlorodifluoromethane	ug/L	U	0.400	
Chloromethane	ug/L	U	2.50	
Vinyl chloride	ug/L	U	0.400	
Bromomethane	ug/L	U	4.00	
Chloroethane	ug/L	U	0.400	
Trichlorofluoromethane	ug/L	U	0.400	
Acrolein	ug/L	U	8.70	
Acetone	ug/L	U	0.510	
1,1-Dichloroethene	ug/L	U	0.400	
Iodomethane	ug/L	U	0.460	
Acrylonitrile	ug/L	U	4.20	
Methylene chloride	ug/L	U	2.00	
Carbon disulfide	ug/L	U	0.400	
trans-1,2-Dichloroethene	ug/L	U	0.400	
tert-Butyl methyl ether (MTBE)	ug/L	U	0.400	
1,1-Dichloroethane	ug/L	U	0.400	
Vinyl acetate	ug/L	U	0.400	
Methyl ethyl ketone (MEK)	ug/L	U	0.640	
cis-1,2-Dichloroethene	ug/L	U	0.400	
Bromochloromethane	ug/L	U	0.400	
Chloroform	ug/L	U	0.400	
2,2-Dichloropropane	ug/L	U	0.400	
1,2-Dichloroethane	ug/L	U	0.400	
1,1,1-Trichloroethane	ug/L	U	0.400	
1,1-Dichloropropene	ug/L	U	0.400	
Carbon tetrachloride	ug/L	U	0.400	
Benzene	ug/L	U	0.400	
Dibromomethane	ug/L	U	0.400	
1,2-Dichloropropane	ug/L	U	0.400	
Trichloroethene	ug/L	U	0.400	
Bromodichloromethane	ug/L	U	0.400	
cis-1,3-Dichloropropene	ug/L	U	0.400	
4-methyl-2-pentanone	ug/L	U	0.400	
trans-1,3-Dichloropropene	ug/L	U	0.400	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

METHOD BLANK: 142147

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,2-Trichloroethane	ug/L	U	0.400	
Toluene	ug/L	U	0.400	
1,3-Dichloropropane	ug/L	U	0.400	
Ethyl methacrylate	ug/L	U	0.400	
Dibromochloromethane	ug/L	U	0.400	
2-Hexanone	ug/L	U	0.400	
1,2-Dibromoethane (EDB)	ug/L	U	0.400	
Tetrachloroethene	ug/L	U	0.400	
1,1,1,2-Tetrachloroethane	ug/L	U	0.400	
Chlorobenzene	ug/L	U	0.400	
Ethylbenzene	ug/L	U	0.400	
m & p-xylene	ug/L	U	0.400	
Bromoform	ug/L	U	0.550	
t-1,4-Dichloro-2-butene	ug/L	U	0.410	
Styrene	ug/L	U	0.400	
1,1,2,2-Tetrachloroethane	ug/L	U	0.200	
o-Xylene	ug/L	U	0.400	
1,2,3-Trichloropropane	ug/L	U	0.400	
cis-1,4-Dichloro-2-butene	ug/L	U	0.440	
Isopropylbenzene (Cumene)	ug/L	U	0.400	
Bromobenzene	ug/L	U	0.400	
n-propylbenzene	ug/L	U	0.400	
2-Chlorotoluene	ug/L	U	0.400	
1,3,5-Trimethylbenzene	ug/L	U	0.400	
4-Chlorotoluene	ug/L	U	0.400	
tert-Butylbenzene	ug/L	U	0.400	
1,2,4-Trimethylbenzene	ug/L	U	0.400	
sec-Butylbenzene	ug/L	U	0.400	
1,3-Dichlorobenzene	ug/L	U	0.400	
1,4-Dichlorobenzene	ug/L	U	0.400	
4-Isopropyltoluene	ug/L	U	0.400	
1,2-Dichlorobenzene	ug/L	U	0.400	
n-Butylbenzene	ug/L	U	0.400	
1,2-DBCP	ug/L	U	0.550	
1,2,4-Trichlorobenzene	ug/L	U	0.400	
Naphthalene	ug/L	U	1.00	
Hexachlorobutadiene	ug/L	U	0.400	
1,2,3-Trichlorobenzene	ug/L	U	0.400	
Xylenes- Total	ug/L	U	0.800	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 142148 142149

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				101	101	70-130	0	25	
Toluene d8 (S)	%				104	104	70-130	0.5	25	
4-Bromofluorobenzene (S)	%				105	103	70-130	2	25	
Dichlorodifluoromethane	ug/L	50.1	53.3	51.2	106	102	70-130	4	25	
Chloromethane	ug/L	50.8	51.5	53.3	101	105	60-130	3	25	
Vinyl chloride	ug/L	50.3	64.5	59.1	128	118	70-130	9	25	
Bromomethane	ug/L	50	46.0	46.1	92	92	60-130	0.2	25	
Chloroethane	ug/L	50.1	49.2	48.0	98	96	70-130	2	25	
Trichlorofluoromethane	ug/L	49.7	53.5	46.4	108	93	70-130	14	25	
Acrolein	ug/L		U	U				0	25	
Acetone	ug/L	50	45.4	45.8	91	92	60-130	0.9	25	
1,1-Dichloroethene	ug/L	49.7	49.8	45.0	100	90	70-130	10	25	
Iodomethane	ug/L	50.1	44.1	41.9	88	84	70-130	5	25	
Acrylonitrile	ug/L		U	U				0	25	
Methylene chloride	ug/L	50	51.0	45.4	102	91	60-130	12	25	
Carbon disulfide	ug/L	50	56.0	52.2	112	104	60-130	7	25	
trans-1,2-Dichloroethene	ug/L	50.2	50.2	49.4	100	99	70-130	2	25	
tert-Butyl methyl ether (MTBE)	ug/L	49.9	51.7	51.9	104	104	70-130	0.4	25	
1,1-Dichloroethane	ug/L	49.5	53.0	50.6	107	102	70-130	5	25	
Vinyl acetate	ug/L	50	56.6	59.5	113	119	60-130	5	25	
Methyl ethyl ketone (MEK)	ug/L	50	44.4	49.7	89	99	70-130	11	25	
cis-1,2-Dichloroethene	ug/L	49.6	51.9	49.7	105	100	70-130	4	25	
Bromochloromethane	ug/L	49.6	53.2	48.8	107	98	70-130	9	25	
Chloroform	ug/L	49.7	52.0	48.1	105	97	70-130	8	25	
2,2-Dichloropropane	ug/L	50	54.1	52.4	108	105	50-130	3	25	
1,2-Dichloroethane	ug/L	50	47.8	47.7	96	95	70-130	0.2	25	
1,1,1-Trichloroethane	ug/L	50	54.2	51.6	108	103	70-130	5	25	
1,1-Dichloropropene	ug/L	49.9	51.2	48.1	103	97	70-130	6	25	
Carbon tetrachloride	ug/L	50	53.7	51.2	107	102	60-130	5	25	
Benzene	ug/L	49.6	52.5	51.1	106	103	70-130	3	25	
Dibromomethane	ug/L	49.6	52.0	49.6	105	100	70-130	5	25	
1,2-Dichloropropane	ug/L	50	51.8	51.8	103	104	70-130	0	25	
Trichloroethene	ug/L	50	50.3	52.2	101	104	70-130	4	25	
Bromodichloromethane	ug/L	49.5	54.6	53.1	110	107	70-130	3	25	
cis-1,3-Dichloropropene	ug/L	50.9	51.4	47.7	101	94	60-130	7	25	
4-methyl-2-pentanone	ug/L	50	49.5	50.9	99	102	60-130	3	25	
trans-1,3-Dichloropropene	ug/L	48.4	48.3	48.7	100	101	60-130	0.8	25	
1,1,2-Trichloroethane	ug/L	49.4	51.6	50.9	104	103	70-130	1	25	
Toluene	ug/L	50	48.4	48.0	97	96	70-130	0.8	25	
1,3-Dichloropropane	ug/L	50	49.6	49.5	99	99	70-130	0.2	25	
Ethyl methacrylate	ug/L	50	48.6	52.7	97	105	70-130	8	25	
Dibromochloromethane	ug/L	49.2	50.1	46.3	102	94	70-130	8	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 142148 142149

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
2-Hexanone	ug/L	49.6	51.3	53.4	104	108	70-130	4	25	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	48.8	102	98	70-130	4	25	
Tetrachloroethene	ug/L	49.9	49.2	47.2	99	95	70-130	4	25	
1,1,1,2-Tetrachloroethane	ug/L	49.5	52.7	48.0	106	97	70-130	9	25	
Chlorobenzene	ug/L	49.9	51.2	48.1	103	96	70-130	6	25	
Ethylbenzene	ug/L	49.4	53.4	48.0	108	97	70-130	11	25	
m & p-xylene	ug/L	100	111	103	111	103	70-130	7	25	
Bromoform	ug/L	49.7	45.4	42.7	91	86	70-130	6	25	
t-1,4-Dichloro-2-butene	ug/L	50	55.7	50.5	111	101	60-130	10	25	
Styrene	ug/L	49.9	57.9	51.7	116	104	70-130	11	25	
1,1,2,2-Tetrachloroethane	ug/L	50	53.0	51.6	106	103	70-130	3	25	
o-Xylene	ug/L	49.3	53.5	49.2	109	100	70-130	8	25	
1,2,3-Trichloropropane	ug/L	50	48.8	45.9	98	92	70-130	6	25	
cis-1,4-Dichloro-2-butene	ug/L	49.1	46.0	46.0	94	94	60-130	0	25	
Isopropylbenzene (Cumene)	ug/L	50	52.6	48.0	105	96	70-130	9	25	
Bromobenzene	ug/L	49.8	49.1	46.5	99	93	70-130	5	25	
n-propylbenzene	ug/L	50	49.3	47.8	99	96	70-130	3	25	
2-Chlorotoluene	ug/L	50	48.9	47.8	98	95	70-130	2	25	
1,3,5-Trimethylbenzene	ug/L	49.1	50.1	49.1	102	100	70-130	2	25	
4-Chlorotoluene	ug/L	49.1	53.9	51.8	110	105	70-130	4	25	
tert-Butylbenzene	ug/L	50.1	52.5	50.5	105	101	70-130	4	25	
1,2,4-Trimethylbenzene	ug/L	49.2	53.3	51.6	108	105	70-130	3	25	
sec-Butylbenzene	ug/L	50	49.0	47.3	98	95	70-130	4	25	
1,3-Dichlorobenzene	ug/L	50	48.2	48.7	96	97	70-130	1	25	
1,4-Dichlorobenzene	ug/L	50	47.3	46.4	95	93	70-130	2	25	
4-Isopropyltoluene	ug/L	49.9	50.6	49.3	102	99	70-130	3	25	
1,2-Dichlorobenzene	ug/L	49.5	48.1	48.3	97	98	70-130	0.4	25	
n-Butylbenzene	ug/L	49.6	52.6	51.7	106	104	70-130	2	25	
1,2-DBCP	ug/L	50	44.7	46.5	89	93	60-130	4	25	
1,2,4-Trichlorobenzene	ug/L	50.1	39.0	40.0	78	80	70-130	3	25	
Naphthalene	ug/L	49.3	41.6	46.9	84	95	70-130	12	25	
Hexachlorobutadiene	ug/L	49.3	37.8	37.9	77	77	70-130	0.3	25	
1,2,3-Trichlorobenzene	ug/L	50	38.3	40.9	77	82	70-130	7	25	
Xylenes- Total	ug/L	149	164	152	110	102	70-130	8	25	

LABORATORY CONTROL SAMPLE & LCSD: 142150 142151

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				98	96		2	25	
Toluene d8 (S)	%				102	101		0.8	25	
4-Bromofluorobenzene (S)	%				98	101		3	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 142150 142151

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Dichlorodifluoromethane	ug/L		U	U				0	25	
Chloromethane	ug/L		U	U				0	25	
Vinyl chloride	ug/L		U	U				0	25	
Bromomethane	ug/L		U	U				0	25	
Chloroethane	ug/L		U	U				0	25	
Trichlorofluoromethane	ug/L		U	U				0	25	
Acrolein	ug/L	250	227	219	91	87	60-130	4	25	
Acetone	ug/L		U	U				0	25	
1,1-Dichloroethene	ug/L		U	U				0	25	
Iodomethane	ug/L		U	U				0	25	
Acrylonitrile	ug/L	250	247	237	99	95	60-130	4	25	
Methylene chloride	ug/L		U	U				0	25	
Carbon disulfide	ug/L		U	U				0	25	
trans-1,2-Dichloroethene	ug/L		U	U				0	25	
tert-Butyl methyl ether (MTBE)	ug/L		U	U				0	25	
1,1-Dichloroethane	ug/L		U	U				0	25	
Vinyl acetate	ug/L		U	U				0	25	
Methyl ethyl ketone (MEK)	ug/L		U	U				0	25	
cis-1,2-Dichloroethene	ug/L		U	U				0	25	
Bromochloromethane	ug/L		U	U				0	25	
Chloroform	ug/L		U	U				0	25	
2,2-Dichloropropane	ug/L		U	U				0	25	
1,2-Dichloroethane	ug/L		U	U				0	25	
1,1,1-Trichloroethane	ug/L		U	U				0	25	
1,1-Dichloropropene	ug/L		U	U				0	25	
Carbon tetrachloride	ug/L		U	U				0	25	
Benzene	ug/L		U	U				0	25	
Dibromomethane	ug/L		U	U				0	25	
1,2-Dichloropropane	ug/L		U	U				0	25	
Trichloroethene	ug/L		U	U				0	25	
Bromodichloromethane	ug/L		U	U				0	25	
cis-1,3-Dichloropropene	ug/L		U	U				0	25	
4-methyl-2-pentanone	ug/L		U	U				0	25	
trans-1,3-Dichloropropene	ug/L		U	U				0	25	
1,1,2-Trichloroethane	ug/L		U	U				0	25	
Toluene	ug/L		U	U				0	25	
1,3-Dichloropropane	ug/L		U	U				0	25	
Ethyl methacrylate	ug/L		U	U				0	25	
Dibromochloromethane	ug/L		U	U				0	25	
2-Hexanone	ug/L		U	U				0	25	
1,2-Dibromoethane (EDB)	ug/L		U	U				0	25	
Tetrachloroethene	ug/L		U	U				0	25	
1,1,1,2-Tetrachloroethane	ug/L		U	U				0	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 142150 142151

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chlorobenzene	ug/L		U	U				0	25	
Ethylbenzene	ug/L		U	U				0	25	
m & p-xylene	ug/L		U	U				0	25	
Bromoform	ug/L		U	U				0	25	
t-1,4-Dichloro-2-butene	ug/L		U	U				0	25	
Styrene	ug/L		U	U				0	25	
1,1,2,2-Tetrachloroethane	ug/L		U	U				0	25	
o-Xylene	ug/L		U	U				0	25	
1,2,3-Trichloropropane	ug/L		U	U				0	25	
cis-1,4-Dichloro-2-butene	ug/L		U	U				0	25	
Isopropylbenzene (Cumene)	ug/L		U	U				0	25	
Bromobenzene	ug/L		U	U				0	25	
n-propylbenzene	ug/L		U	U				0	25	
2-Chlorotoluene	ug/L		U	U				0	25	
1,3,5-Trimethylbenzene	ug/L		U	U				0	25	
4-Chlorotoluene	ug/L		U	U				0	25	
tert-Butylbenzene	ug/L		U	U				0	25	
1,2,4-Trimethylbenzene	ug/L		U	U				0	25	
sec-Butylbenzene	ug/L		U	U				0	25	
1,3-Dichlorobenzene	ug/L		U	U				0	25	
1,4-Dichlorobenzene	ug/L		U	U				0	25	
4-Isopropyltoluene	ug/L		U	U				0	25	
1,2-Dichlorobenzene	ug/L		U	U				0	25	
n-Butylbenzene	ug/L		U	U				0	25	
1,2-DBCP	ug/L		U	U				0	25	
1,2,4-Trichlorobenzene	ug/L		U	U				0	25	
Naphthalene	ug/L		U	U				0	25	
Hexachlorobutadiene	ug/L		U	U				0	25	
1,2,3-Trichlorobenzene	ug/L		U	U				0	25	
Xylenes- Total	ug/L		U	U				0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142237 142238 Original: 1856765002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS											
Dibromofluoromethane (S)	%					100	96	70-130	5	25	
Toluene d8 (S)	%					105	104	70-130	1	25	
4-Bromofluorobenzene (S)	%					99	104	70-130	5	25	
Dichlorodifluoromethane	ug/L								2	25	
Chloromethane	ug/L								12	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142237 142238 Original: 1856765002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Vinyl chloride	ug/L								5	25	
Bromomethane	ug/L								17	25	
Chloroethane	ug/L								9	25	
Trichlorofluoromethane	ug/L								6	25	
Acrolein	ug/L								0	25	
Acetone	ug/L								9	25	
1,1-Dichloroethene	ug/L								6	25	
Iodomethane	ug/L								21	25	
Acrylonitrile	ug/L								0	25	
Methylene chloride	ug/L								7	25	
Carbon disulfide	ug/L								8	25	
trans-1,2-Dichloroethene	ug/L								17	25	
tert-Butyl methyl ether (MTBE)	ug/L	0	49.9	58.9		118	104	70-135	13	25	
1,1-Dichloroethane	ug/L								11	25	
Vinyl acetate	ug/L								3	25	
Methyl ethyl ketone (MEK)	ug/L								2	25	
cis-1,2-Dichloroethene	ug/L								0.8	25	
Bromochloromethane	ug/L								5	25	
Chloroform	ug/L								1	25	
2,2-Dichloropropane	ug/L								1	25	
1,2-Dichloroethane	ug/L								1	25	
1,1,1-Trichloroethane	ug/L								2	25	
1,1-Dichloropropene	ug/L								6	25	
Carbon tetrachloride	ug/L								8	25	
Benzene	ug/L	0	49.6	57.2		115	114	70-135	2	25	
Dibromomethane	ug/L								1	25	
1,2-Dichloropropane	ug/L								5	25	
Trichloroethene	ug/L								3	25	
Bromodichloromethane	ug/L								5	25	
cis-1,3-Dichloropropene	ug/L								0.6	25	
4-methyl-2-pentanone	ug/L								5	25	
trans-1,3-Dichloropropene	ug/L								0	25	
1,1,2-Trichloroethane	ug/L								0.2	25	
Toluene	ug/L	0	50	50.8		102	97	70-135	4	25	
1,3-Dichloropropane	ug/L								2	25	
Ethyl methacrylate	ug/L								0	25	
Dibromochloromethane	ug/L								4	25	
2-Hexanone	ug/L								0.4	25	
1,2-Dibromoethane (EDB)	ug/L								0.8	25	
Tetrachloroethene	ug/L								4	25	
1,1,1,2-Tetrachloroethane	ug/L								2	25	
Chlorobenzene	ug/L								7	25	
Ethylbenzene	ug/L	0	49.4	53.7		109	102	70-135	7	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142237 142238 Original: 1856765002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
m & p-xylene	ug/L	0	100	111		111	105	70-135	6	25	
Bromoform	ug/L								2	25	
t-1,4-Dichloro-2-butene	ug/L								16	25	
Styrene	ug/L								5	25	
1,1,2,2-Tetrachloroethane	ug/L								4	25	
o-Xylene	ug/L	0	49.3	53.1		108	102	70-135	5	25	
1,2,3-Trichloropropane	ug/L								2	25	
cis-1,4-Dichloro-2-butene	ug/L								3	25	
Isopropylbenzene (Cumene)	ug/L								5	25	
Bromobenzene	ug/L								3	25	
n-propylbenzene	ug/L								0.2	25	
2-Chlorotoluene	ug/L								1	25	
1,3,5-Trimethylbenzene	ug/L								2	25	
4-Chlorotoluene	ug/L								1	25	
tert-Butylbenzene	ug/L								3	25	
1,2,4-Trimethylbenzene	ug/L								0.9	25	
sec-Butylbenzene	ug/L								0.4	25	
1,3-Dichlorobenzene	ug/L								0	25	
1,4-Dichlorobenzene	ug/L								0.2	25	
4-Isopropyltoluene	ug/L								1	25	
1,2-Dichlorobenzene	ug/L								0	25	
n-Butylbenzene	ug/L								2	25	
1,2-DBCP	ug/L								4	25	
1,2,4-Trichlorobenzene	ug/L								5	25	
Naphthalene	ug/L								2	25	
Hexachlorobutadiene	ug/L								3	25	
1,2,3-Trichlorobenzene	ug/L								4	25	
Xylenes- Total	ug/L	0	149	164		110	104		6	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

QC Batch: VXX/8073 Analysis Method: EPA 8260C

QC Batch Method: EPA 5035

Associated Lab Samples: 1856675006 1856675007 1856675008 1856675009 1856675010 1856675011 1856675012 1856801001 1856801002 1856801003 1856801004 1856801005 1856801006 1856801007 1856801008 1856801009 1856801010 1856801011 1856801012

METHOD BLANK: 142261

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Volatiles by GC/MS				
Dibromofluoromethane (S)	%	101	60-135	
Toluene d8 (S)	%	96	60-135	
4-Bromofluorobenzene (S)	%	98	60-135	
Dichlorodifluoromethane	mg/Kg	U	0.00037	
Chloromethane	mg/Kg	U	0.00068	
Vinyl chloride	mg/Kg	U	0.00098	
Bromomethane	mg/Kg	U	0.0015	
Chloroethane	mg/Kg	U	0.00058	
Trichlorofluoromethane	mg/Kg	U	0.00075	
Acrolein	mg/Kg	U	0.0047	
Acetone	mg/Kg	U	0.0031	
1,1-Dichloroethene	mg/Kg	U	0.00090	
Iodomethane	mg/Kg	U	0.00043	
Acrylonitrile	mg/Kg	U	0.0075	
Methylene chloride	mg/Kg	U	0.0050	
Carbon disulfide	mg/Kg	U	0.00072	
trans-1,2-Dichloroethene	mg/Kg	U	0.00089	
tert-Butyl methyl ether (MTBE)	mg/Kg	U	0.0011	
1,1-Dichloroethane	mg/Kg	U	0.00078	
Vinyl acetate	mg/Kg	U	0.00082	
Methyl ethyl ketone (MEK)	mg/Kg	U	0.0015	
cis-1,2-Dichloroethene	mg/Kg	U	0.00044	
Bromochloromethane	mg/Kg	U	0.0011	
Chloroform	mg/Kg	U	0.0066	
2,2-Dichloropropane	mg/Kg	U	0.00053	
1,2-Dichloroethane	mg/Kg	U	0.00084	
1,1,1-Trichloroethane	mg/Kg	U	0.00055	
1,1-Dichloropropene	mg/Kg	U	0.00047	
Carbon tetrachloride	mg/Kg	U	0.00054	
Benzene	mg/Kg	U	0.00046	
Dibromomethane	mg/Kg	U	0.0011	
1,2-Dichloropropane	mg/Kg	U	0.00060	
Trichloroethene	mg/Kg	U	0.00078	
Bromodichloromethane	mg/Kg	U	0.00036	
cis-1,3-Dichloropropene	mg/Kg	U	0.00056	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

METHOD BLANK: 142261

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
4-methyl-2-pentanone	mg/Kg	U	0.00054	
trans-1,3-Dichloropropene	mg/Kg	U	0.00044	
1,1,2-Trichloroethane	mg/Kg	U	0.00051	
Toluene	mg/Kg	U	0.00040	
1,3-Dichloropropane	mg/Kg	U	0.00045	
Ethyl methacrylate	mg/Kg	U	0.00036	
Dibromochloromethane	mg/Kg	U	0.00057	
2-Hexanone	mg/Kg	U	0.0012	
1,2-Dibromoethane (EDB)	mg/Kg	U	0.00048	
Tetrachloroethene	mg/Kg	U	0.00045	
1,1,1,2-Tetrachloroethane	mg/Kg	U	0.00060	
Chlorobenzene	mg/Kg	U	0.00043	
Ethylbenzene	mg/Kg	U	0.00033	
m & p-xylene	mg/Kg	U	0.00064	
Bromoform	mg/Kg	U	0.00075	
t-1,4-Dichloro-2-butene	mg/Kg	U	0.0071	
Styrene	mg/Kg	U	0.00031	
1,1,2,2-Tetrachloroethane	mg/Kg	U	0.00048	
o-Xylene	mg/Kg	U	0.00035	
1,2,3-Trichloropropane	mg/Kg	U	0.0012	
cis-1,4-Dichloro-2-butene	mg/Kg	U	0.00093	
Isopropylbenzene (Cumene)	mg/Kg	U	0.00033	
Bromobenzene	mg/Kg	U	0.00037	
n-propylbenzene	mg/Kg	U	0.00030	
2-Chlorotoluene	mg/Kg	U	0.00037	
1,3,5-Trimethylbenzene	mg/Kg	U	0.00021	
4-Chlorotoluene	mg/Kg	U	0.00032	
tert-Butylbenzene	mg/Kg	U	0.00029	
1,2,4-Trimethylbenzene	mg/Kg	U	0.00075	
sec-Butylbenzene	mg/Kg	U	0.00023	
1,3-Dichlorobenzene	mg/Kg	U	0.00031	
1,4-Dichlorobenzene	mg/Kg	U	0.00034	
4-Isopropyltoluene	mg/Kg	U	0.00024	
1,2-Dichlorobenzene	mg/Kg	U	0.00029	
n-Butylbenzene	mg/Kg	U	0.00026	
1,2-DBCP	mg/Kg	U	0.00021	
1,2,4-Trichlorobenzene	mg/Kg	U	0.00022	
Naphthalene	mg/Kg	U	0.0050	
Hexachlorobutadiene	mg/Kg	U	0.00022	
1,2,3-Trichlorobenzene	mg/Kg	U	0.00014	
Xylenes- Total	mg/Kg	U	0.00099	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 142262 142263

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				102	104	60-135	2	30	
Toluene d8 (S)	%				102	105	60-135	3	30	
4-Bromofluorobenzene (S)	%				98	99	60-135	2	30	
Dichlorodifluoromethane	mg/Kg	0.05	0.054	0.046	107	91	60-135	16	30	
Chloromethane	mg/Kg	0.051	0.059	0.047	116	93	60-135	23	30	
Vinyl chloride	mg/Kg	0.05	0.053	0.039	106	78	60-135	30	30	
Bromomethane	mg/Kg	0.05	0.049	0.038	98	76	50-135	25	30	
Chloroethane	mg/Kg	0.05	0.055	0.040	109	80	60-135	32	30	J3p
Trichlorofluoromethane	mg/Kg	0.05	0.056	0.048	114	96	60-135	15	30	
Acrolein	mg/Kg		U	U				0	30	
Acetone	mg/Kg	0.05	0.034	0.036	69	72	60-135	6	30	
1,1-Dichloroethene	mg/Kg	0.05	0.055	0.046	111	92	60-135	18	30	
Iodomethane	mg/Kg	0.05	0.052	0.040	103	79	60-135	26	30	
Acrylonitrile	mg/Kg		U	U				0	30	
Methylene chloride	mg/Kg	0.05	0.056	0.048	112	96	50-135	15	30	
Carbon disulfide	mg/Kg	0.05	0.065	0.053	129	107	50-135	20	30	
trans-1,2-Dichloroethene	mg/Kg	0.05	0.059	0.047	117	94	60-135	23	30	
tert-Butyl methyl ether (MTBE)	mg/Kg	0.05	0.059	0.048	119	96	60-135	21	30	
1,1-Dichloroethane	mg/Kg	0.05	0.054	0.045	108	90	60-135	18	30	
Vinyl acetate	mg/Kg	0.05	0.068	0.057	135	113	50-135	18	30	
Methyl ethyl ketone (MEK)	mg/Kg	0.05	0.052	0.045	104	90	60-135	14	30	
cis-1,2-Dichloroethene	mg/Kg	0.05	0.056	0.050	112	100	60-135	11	30	
Bromochloromethane	mg/Kg	0.05	0.056	0.050	112	101	60-135	11	30	
Chloroform	mg/Kg	0.05	0.056	0.050	112	100	60-135	11	30	
2,2-Dichloropropane	mg/Kg	0.05	0.064	0.056	127	111	50-135	13	30	
1,2-Dichloroethane	mg/Kg	0.05	0.056	0.050	113	100	60-135	11	30	
1,1,1-Trichloroethane	mg/Kg	0.05	0.060	0.053	121	107	60-135	12	30	
1,1-Dichloropropene	mg/Kg	0.05	0.056	0.052	113	104	60-135	7	30	
Carbon tetrachloride	mg/Kg	0.05	0.064	0.057	128	115	60-135	12	30	
Benzene	mg/Kg	0.05	0.054	0.048	108	97	60-135	12	30	
Dibromomethane	mg/Kg	0.05	0.053	0.047	107	95	60-135	12	30	
1,2-Dichloropropane	mg/Kg	0.05	0.055	0.050	111	100	60-135	10	30	
Trichloroethene	mg/Kg	0.05	0.058	0.051	115	102	60-135	13	30	
Bromodichloromethane	mg/Kg	0.05	0.062	0.051	125	102	60-135	19	30	
cis-1,3-Dichloropropene	mg/Kg	0.051	0.067	0.057	132	112	60-135	16	30	
4-methyl-2-pentanone	mg/Kg	0.05	0.052	0.049	104	97	60-135	6	30	
trans-1,3-Dichloropropene	mg/Kg	0.048	0.055	0.052	114	107	60-135	6	30	
1,1,2-Trichloroethane	mg/Kg	0.049	0.055	0.050	111	102	60-135	10	30	
Toluene	mg/Kg	0.05	0.053	0.046	106	92	60-135	14	30	
1,3-Dichloropropane	mg/Kg	0.05	0.054	0.047	109	94	60-135	14	30	
Ethyl methacrylate	mg/Kg	0.05	0.062	0.055	124	111	60-135	12	30	
Dibromochloromethane	mg/Kg	0.049	0.071	0.056	144	113	60-135	24	30	J3a

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 142262 142263

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
2-Hexanone	mg/Kg	0.05	0.055	0.047	111	95	60-135	16	30	
1,2-Dibromoethane (EDB)	mg/Kg	0.05	0.059	0.051	118	101	60-135	15	30	
Tetrachloroethene	mg/Kg	0.05	0.059	0.046	118	92	60-135	25	30	
1,1,1,2-Tetrachloroethane	mg/Kg	0.05	0.062	0.055	126	111	60-135	12	30	
Chlorobenzene	mg/Kg	0.05	0.058	0.051	116	102	60-135	13	30	
Ethylbenzene	mg/Kg	0.049	0.059	0.047	120	96	60-135	23	30	
m & p-xylene	mg/Kg	0.1	0.121	0.103	121	103	60-135	16	30	
Bromoform	mg/Kg	0.05	0.062	0.047	125	94	60-135	28	30	
t-1,4-Dichloro-2-butene	mg/Kg	0.05	0.059	0.049	117	98	60-135	19	30	
Styrene	mg/Kg	0.05	0.065	0.052	131	103	60-135	22	30	
1,1,2,2-Tetrachloroethane	mg/Kg	0.05	0.056	0.046	112	92	60-135	20	30	
o-Xylene	mg/Kg	0.049	0.060	0.047	122	94	60-135	24	30	
1,2,3-Trichloropropane	mg/Kg	0.05	0.053	0.045	107	90	60-135	16	30	
cis-1,4-Dichloro-2-butene	mg/Kg	0.049	0.057	0.047	116	96	60-135	19	30	
Isopropylbenzene (Cumene)	mg/Kg	0.05	0.059	0.048	117	96	60-135	21	30	
Bromobenzene	mg/Kg	0.05	0.056	0.050	112	100	60-135	11	30	
n-propylbenzene	mg/Kg	0.05	0.059	0.051	117	102	60-135	15	30	
2-Chlorotoluene	mg/Kg	0.05	0.060	0.051	120	103	60-135	16	30	
1,3,5-Trimethylbenzene	mg/Kg	0.049	0.061	0.055	124	113	60-135	10	30	
4-Chlorotoluene	mg/Kg	0.049	0.062	0.053	127	109	60-135	16	30	
tert-Butylbenzene	mg/Kg	0.05	0.061	0.054	123	108	60-135	12	30	
1,2,4-Trimethylbenzene	mg/Kg	0.049	0.062	0.053	125	109	60-135	16	30	
sec-Butylbenzene	mg/Kg	0.05	0.061	0.056	122	111	60-135	9	30	
1,3-Dichlorobenzene	mg/Kg	0.05	0.060	0.052	119	103	60-135	14	30	
1,4-Dichlorobenzene	mg/Kg	0.05	0.058	0.051	115	101	60-135	13	30	
4-Isopropyltoluene	mg/Kg	0.05	0.058	0.051	116	102	60-135	13	30	
1,2-Dichlorobenzene	mg/Kg	0.049	0.054	0.052	109	106	60-135	4	30	
n-Butylbenzene	mg/Kg	0.05	0.067	0.061	136	123	60-135	9	30	J3a
1,2-DBCP	mg/Kg	0.05	0.055	0.052	110	104	60-135	6	30	
1,2,4-Trichlorobenzene	mg/Kg	0.05	0.064	0.060	128	120	60-135	6	30	
Naphthalene	mg/Kg	0.049	0.061	0.061	124	124	60-135	0	30	
Hexachlorobutadiene	mg/Kg	0.049	0.069	0.069	139	140	60-135	0	30	J3a
1,2,3-Trichlorobenzene	mg/Kg	0.05	0.054	0.056	109	112	60-135	4	30	
Xylenes- Total	mg/Kg	0.149	0.181	0.150	121	100		19	30	

LABORATORY CONTROL SAMPLE & LCSD: 142264 142265

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				101	99	60-135	2	30	
Toluene d8 (S)	%				96	97	60-135	2	30	
4-Bromofluorobenzene (S)	%				89	96	60-135	8	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 142264 142265

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Dichlorodifluoromethane	mg/Kg		U	U				0	30	
Chloromethane	mg/Kg		U	U				0	30	
Vinyl chloride	mg/Kg		U	U				0	30	
Bromomethane	mg/Kg		U	U				0	30	
Chloroethane	mg/Kg		U	U				0	30	
Trichlorofluoromethane	mg/Kg		U	U				0	30	
Acrolein	mg/Kg	0.25	0.227	0.212	91	85	50-135	7	30	
Acetone	mg/Kg		U	U				0	30	
1,1-Dichloroethene	mg/Kg		U	U				0	30	
Iodomethane	mg/Kg		U	U				0	30	
Acrylonitrile	mg/Kg	0.25	0.215	0.220	86	88	50-135	2	30	
Methylene chloride	mg/Kg		U	U				0	30	
Carbon disulfide	mg/Kg		U	U				0	30	
trans-1,2-Dichloroethene	mg/Kg		U	U				0	30	
tert-Butyl methyl ether (MTBE)	mg/Kg		U	U				0	30	
1,1-Dichloroethane	mg/Kg		U	U				0	30	
Vinyl acetate	mg/Kg		U	U				0	30	
Methyl ethyl ketone (MEK)	mg/Kg		U	U				0	30	
cis-1,2-Dichloroethene	mg/Kg		U	U				0	30	
Bromochloromethane	mg/Kg		U	U				0	30	
Chloroform	mg/Kg		U	U				0	30	
2,2-Dichloropropane	mg/Kg		U	U				0	30	
1,2-Dichloroethane	mg/Kg		U	U				0	30	
1,1,1-Trichloroethane	mg/Kg		U	U				0	30	
1,1-Dichloropropene	mg/Kg		U	U				0	30	
Carbon tetrachloride	mg/Kg		U	U				0	30	
Benzene	mg/Kg		U	U				0	30	
Dibromomethane	mg/Kg		U	U				0	30	
1,2-Dichloropropane	mg/Kg		U	U				0	30	
Trichloroethene	mg/Kg		U	U				0	30	
Bromodichloromethane	mg/Kg		U	U				0	30	
cis-1,3-Dichloropropene	mg/Kg		U	U				0	30	
4-methyl-2-pentanone	mg/Kg		U	U				0	30	
trans-1,3-Dichloropropene	mg/Kg		U	U				0	30	
1,1,2-Trichloroethane	mg/Kg		U	U				0	30	
Toluene	mg/Kg		U	U				0	30	
1,3-Dichloropropane	mg/Kg		U	U				0	30	
Ethyl methacrylate	mg/Kg		U	U				0	30	
Dibromochloromethane	mg/Kg		U	U				0	30	
2-Hexanone	mg/Kg		U	U				0	30	
1,2-Dibromoethane (EDB)	mg/Kg		U	U				0	30	
Tetrachloroethene	mg/Kg		U	U				0	30	
1,1,1,2-Tetrachloroethane	mg/Kg		U	U				0	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

LABORATORY CONTROL SAMPLE & LCSD: 142264 142265

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chlorobenzene	mg/Kg		U	U				0	30	
Ethylbenzene	mg/Kg		U	U				0	30	
m & p-xylene	mg/Kg		U	U				0	30	
Bromoform	mg/Kg		U	U				0	30	
t-1,4-Dichloro-2-butene	mg/Kg		U	U				0	30	
Styrene	mg/Kg		U	U				0	30	
1,1,2,2-Tetrachloroethane	mg/Kg		U	U				0	30	
o-Xylene	mg/Kg		U	U				0	30	
1,2,3-Trichloropropane	mg/Kg		U	U				0	30	
cis-1,4-Dichloro-2-butene	mg/Kg		U	U				0	30	
Isopropylbenzene (Cumene)	mg/Kg		U	U				0	30	
Bromobenzene	mg/Kg		U	U				0	30	
n-propylbenzene	mg/Kg		U	U				0	30	
2-Chlorotoluene	mg/Kg		U	U				0	30	
1,3,5-Trimethylbenzene	mg/Kg		U	U				0	30	
4-Chlorotoluene	mg/Kg		U	U				0	30	
tert-Butylbenzene	mg/Kg		U	U				0	30	
1,2,4-Trimethylbenzene	mg/Kg		U	U				0	30	
sec-Butylbenzene	mg/Kg		U	U				0	30	
1,3-Dichlorobenzene	mg/Kg		U	U				0	30	
1,4-Dichlorobenzene	mg/Kg		U	U				0	30	
4-Isopropyltoluene	mg/Kg		U	U				0	30	
1,2-Dichlorobenzene	mg/Kg		U	U				0	30	
n-Butylbenzene	mg/Kg		U	U				0	30	
1,2-DBCP	mg/Kg		U	U				0	30	
1,2,4-Trichlorobenzene	mg/Kg		U	U				0	30	
Naphthalene	mg/Kg		U	U				0	30	
Hexachlorobutadiene	mg/Kg		U	U				0	30	
1,2,3-Trichlorobenzene	mg/Kg		U	U				0	30	
Xylenes- Total	mg/Kg		U	U				0	30	

SAMPLE DUPLICATE: 142327 Original: 1856801012

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Volatiles by GC/MS						
Dibromofluoromethane (S)	%	30.5		8	30	
Toluene d8 (S)	%	28.2		9	30	
4-Bromofluorobenzene (S)	%	27		10	30	
Dichlorodifluoromethane	mg/Kg	0	U	0	30	
Chloromethane	mg/Kg	0	U	0	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

SAMPLE DUPLICATE: 142327 Original: 1856801012

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Vinyl chloride	mg/Kg	0	U	0	30	
Bromomethane	mg/Kg	0	U	0	30	
Chloroethane	mg/Kg	0	U	0	30	
Trichlorofluoromethane	mg/Kg	0	U	0	30	
Acrolein	mg/Kg	0	U	0	30	
Acetone	mg/Kg	0	U	0	30	
1,1-Dichloroethene	mg/Kg	0	U	0	30	
Iodomethane	mg/Kg	0	U	0	30	
Acrylonitrile	mg/Kg	0	U	0	30	
Methylene chloride	mg/Kg	0	U	0	30	
Carbon disulfide	mg/Kg	0	U	0	30	
trans-1,2-Dichloroethene	mg/Kg	0	U	0	30	
tert-Butyl methyl ether (MTBE)	mg/Kg	0	U	0	30	
1,1-Dichloroethane	mg/Kg	0	U	0	30	
Vinyl acetate	mg/Kg	0	U	0	30	
Methyl ethyl ketone (MEK)	mg/Kg	0	U	0	30	
cis-1,2-Dichloroethene	mg/Kg	0	U	0	30	
Bromochloromethane	mg/Kg	0	U	0	30	
Chloroform	mg/Kg	0	U	0	30	
2,2-Dichloropropane	mg/Kg	0	U	0	30	
1,2-Dichloroethane	mg/Kg	0	U	0	30	
1,1,1-Trichloroethane	mg/Kg	0	U	0	30	
1,1-Dichloropropene	mg/Kg	0	U	0	30	
Carbon tetrachloride	mg/Kg	0	U	0	30	
Benzene	mg/Kg	0	U	0	30	
Dibromomethane	mg/Kg	0	U	0	30	
1,2-Dichloropropane	mg/Kg	0	U	0	30	
Trichloroethene	mg/Kg	0	U	0	30	
Bromodichloromethane	mg/Kg	0	U	0	30	
cis-1,3-Dichloropropene	mg/Kg	0	U	0	30	
4-methyl-2-pentanone	mg/Kg	0	U	0	30	
trans-1,3-Dichloropropene	mg/Kg	0	U	0	30	
1,1,2-Trichloroethane	mg/Kg	0	U	0	30	
Toluene	mg/Kg	0	U	0	30	
1,3-Dichloropropane	mg/Kg	0	U	0	30	
Ethyl methacrylate	mg/Kg	0	U	0	30	
Dibromochloromethane	mg/Kg	0	U	0	30	
2-Hexanone	mg/Kg	0	U	0	30	
1,2-Dibromoethane (EDB)	mg/Kg	0	U	0	30	
Tetrachloroethene	mg/Kg	0	U	0	30	
1,1,1,2-Tetrachloroethane	mg/Kg	0	U	0	30	
Chlorobenzene	mg/Kg	0	U	0	30	
Ethylbenzene	mg/Kg	0	U	0	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856675

Project ID: PL2 2186398

SAMPLE DUPLICATE: 142327 Original: 1856801012

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
m & p-xylene	mg/Kg	0	U	0	30	
Bromoform	mg/Kg	0	U	0	30	
t-1,4-Dichloro-2-butene	mg/Kg	0	U	0	30	
Styrene	mg/Kg	0	U	0	30	
1,1,2,2-Tetrachloroethane	mg/Kg	0	U	0	30	
o-Xylene	mg/Kg	0	U	0	30	
1,2,3-Trichloropropane	mg/Kg	0	U	0	30	
cis-1,4-Dichloro-2-butene	mg/Kg	0	U	0	30	
Isopropylbenzene (Cumene)	mg/Kg	0	U	0	30	
Bromobenzene	mg/Kg	0	U	0	30	
n-propylbenzene	mg/Kg	0	U	0	30	
2-Chlorotoluene	mg/Kg	0	U	0	30	
1,3,5-Trimethylbenzene	mg/Kg	0	U	0	30	
4-Chlorotoluene	mg/Kg	0	U	0	30	
tert-Butylbenzene	mg/Kg	0	U	0	30	
1,2,4-Trimethylbenzene	mg/Kg	0	U	0	30	
sec-Butylbenzene	mg/Kg	0	U	0	30	
1,3-Dichlorobenzene	mg/Kg	0	U	0	30	
1,4-Dichlorobenzene	mg/Kg	0	U	0	30	
4-Isopropyltoluene	mg/Kg	0	U	0	30	
1,2-Dichlorobenzene	mg/Kg	0	U	0	30	
n-Butylbenzene	mg/Kg	0	U	0	30	
1,2-DBCP	mg/Kg	0	U	0	30	
1,2,4-Trichlorobenzene	mg/Kg	0	U	0	30	
Naphthalene	mg/Kg	0	U	0	30	
Hexachlorobutadiene	mg/Kg	0	U	0	30	
1,2,3-Trichlorobenzene	mg/Kg	0	U	0	30	
Xylenes- Total	mg/Kg	0	U	0	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA QUALIFIERS

Workorder: 1856675

Project ID: PL2 2186398

QUALITY CONTROL PARAMETER QUALIFIERS

J2	Surrogate recovery was outside defined limits due to matrix interference.
J3	The reported value failed to meet the established quality control for either precision or accuracy.
J3a	The reported value failed to meet the established quality control criteria. LCS value skewed high. Target analyte was not detected in associated samples.
J3p	The reported value failed to meet the established quality control criteria for precision. Target analyte was not detected in associated samples.
J4	MS/MSD recovery exceeded control limits due to matrix interference. LCS/LCSD recovery was within acceptable range.
J4h	MS/MSD recovery exceeded control limits due to high background sample concentration. LCS/LCSD recovery was within acceptable range.
P1	RPD value not applicable for sample concentrations less than 5 times the PQL.

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1856675

Project ID: PL2 2186398

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1856675001	**SB-1 - 2'-4'**	SM 2540G	WGR/3463		
1856675003	**SB-2 - 0'-2'**	SM 2540G	WGR/3463		
1856675004	**SB 3 - 0'-2'**	SM 2540G	WGR/3463		
1856675006	**SB-4 - 0'-2'**	SM 2540G	WGR/3463		
1856675007	**SB-5 - 0'-2'**	SM 2540G	WGR/3463		
1856675008	**SB-6 - 2'-4'**	SM 2540G	WGR/3463		
1856675009	**SB-7 - 2'-4'**	SM 2540G	WGR/3463		
1856675002	**GW-1**	EPA 200.2 mod.	MXX/9653	EPA 200.8 (Total)	MMS/8628
1856675005	**GW 2**	EPA 200.2 mod.	MXX/9653	EPA 200.8 (Total)	MMS/8628
1856675013	**GW 3**	EPA 200.2 mod.	MXX/9653	EPA 200.8 (Total)	MMS/8628
1856675001	**SB-1 - 2'-4'**	EPA 3545	XXX/11006	FL-PRO (GC)	XGCP/4011
1856675003	**SB-2 - 0'-2'**	EPA 3545	XXX/11006	FL-PRO (GC)	XGCP/4011
1856675004	**SB 3 - 0'-2'**	EPA 3545	XXX/11006	FL-PRO (GC)	XGCP/4011
1856675006	**SB-4 - 0'-2'**	EPA 3545	XXX/11006	FL-PRO (GC)	XGCP/4011
1856675007	**SB-5 - 0'-2'**	EPA 3545	XXX/11006	FL-PRO (GC)	XGCP/4011
1856675008	**SB-6 - 2'-4'**	EPA 3545	XXX/11006	FL-PRO (GC)	XGCP/4011
1856675009	**SB-7 - 2'-4'**	EPA 3545	XXX/11006	FL-PRO (GC)	XGCP/4011
1856675010	**SB-8 - 4'-6'**	EPA 3545	XXX/11006	FL-PRO (GC)	XGCP/4011
1856675011	**SB-9 - 0'-2'**	EPA 3545	XXX/11006	FL-PRO (GC)	XGCP/4011
1856675012	**SB-10 - 0'-2'**	EPA 3545	XXX/11006	FL-PRO (GC)	XGCP/4011
1856675001	**SB-1 - 2'-4'**	EPA 3545	XXX/11007	EPA 8270C	XMS/5859
1856675003	**SB-2 - 0'-2'**	EPA 3545	XXX/11007	EPA 8270C	XMS/5859
1856675004	**SB 3 - 0'-2'**	EPA 3545	XXX/11007	EPA 8270C	XMS/5859
1856675006	**SB-4 - 0'-2'**	EPA 3545	XXX/11007	EPA 8270C	XMS/5859
1856675007	**SB-5 - 0'-2'**	EPA 3545	XXX/11007	EPA 8270C	XMS/5859
1856675008	**SB-6 - 2'-4'**	EPA 3545	XXX/11007	EPA 8270C	XMS/5859
1856675009	**SB-7 - 2'-4'**	EPA 3545	XXX/11007	EPA 8270C	XMS/5859

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1856675

Project ID: PL2 2186398

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1856675010	**SB-8 - 4'-6'**	EPA 3545	XXX/11007	EPA 8270C	XMS/5859
1856675011	**SB-9 - 0'-2'**	EPA 3545	XXX/11007	EPA 8270C	XMS/5859
1856675012	**SB-10 - 0'-2'**	EPA 3545	XXX/11007	EPA 8270C	XMS/5859
1856675010	**SB-8 - 4'-6'**	SM 2540G	WGR/3464		
1856675011	**SB-9 - 0'-2'**	SM 2540G	WGR/3464		
1856675012	**SB-10 - 0'-2'**	SM 2540G	WGR/3464		
1856675001	**SB-1 - 2'-4'**	EPA 3050B	MXX/9656	EPA 6020	MMS/8631
1856675003	**SB-2 - 0'-2'**	EPA 3050B	MXX/9656	EPA 6020	MMS/8631
1856675004	**SB 3 - 0'-2'**	EPA 3050B	MXX/9656	EPA 6020	MMS/8631
1856675006	**SB-4 - 0'-2'**	EPA 3050B	MXX/9656	EPA 6020	MMS/8631
1856675007	**SB-5 - 0'-2'**	EPA 3050B	MXX/9656	EPA 6020	MMS/8631
1856675008	**SB-6 - 2'-4'**	EPA 3050B	MXX/9656	EPA 6020	MMS/8631
1856675009	**SB-7 - 2'-4'**	EPA 3050B	MXX/9656	EPA 6020	MMS/8631
1856675010	**SB-8 - 4'-6'**	EPA 3050B	MXX/9656	EPA 6020	MMS/8631
1856675011	**SB-9 - 0'-2'**	EPA 3050B	MXX/9656	EPA 6020	MMS/8631
1856675012	**SB-10 - 0'-2'**	EPA 3050B	MXX/9656	EPA 6020	MMS/8631
1856675001	**SB-1 - 2'-4'**	EPA 5035	VXX/8067	EPA 8260C	VMS/7901
1856675003	**SB-2 - 0'-2'**	EPA 5035	VXX/8067	EPA 8260C	VMS/7901
1856675004	**SB 3 - 0'-2'**	EPA 5035	VXX/8067	EPA 8260C	VMS/7901
1856675002	**GW-1**	EPA 3510C	XXX/11015	FL-PRO (GC)	XGCP/4011
1856675005	**GW 2**	EPA 3510C	XXX/11015	FL-PRO (GC)	XGCP/4011
1856675013	**GW 3**	EPA 3510C	XXX/11015	FL-PRO (GC)	XGCP/4011
1856675002	**GW-1**	EPA 3510C	XXX/11016	EPA 8270C	XMS/5863
1856675005	**GW 2**	EPA 3510C	XXX/11016	EPA 8270C	XMS/5863
1856675013	**GW 3**	EPA 3510C	XXX/11016	EPA 8270C	XMS/5863

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1856675

Project ID: PL2 2186398

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1856675002	**GW-1**	EPA 5030B	VXX/8072	EPA 8260C	VMS/7906
1856675005	**GW 2**	EPA 5030B	VXX/8072	EPA 8260C	VMS/7906
1856675013	**GW 3**	EPA 5030B	VXX/8072	EPA 8260C	VMS/7906
1856675006	**SB-4 - 0'-2'**	EPA 5035	VXX/8073	EPA 8260C	VMS/7908
1856675007	**SB-5 - 0'-2'**	EPA 5035	VXX/8073	EPA 8260C	VMS/7908
1856675008	**SB-6 - 2'-4'**	EPA 5035	VXX/8073	EPA 8260C	VMS/7908
1856675009	**SB-7 - 2'-4'**	EPA 5035	VXX/8073	EPA 8260C	VMS/7908
1856675010	**SB-8 - 4'-6'**	EPA 5035	VXX/8073	EPA 8260C	VMS/7908
1856675011	**SB-9 - 0'-2'**	EPA 5035	VXX/8073	EPA 8260C	VMS/7908
1856675012	**SB-10 - 0'-2'**	EPA 5035	VXX/8073	EPA 8260C	VMS/7908

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Rebecca Lourido

From: Corey Knuckles
Sent: Tuesday, May 22, 2018 4:21 PM
To: Rebecca Lourido
Cc: Mauricio Pages
Subject: Chaves Lake (Hallandale Beach) Sample Depth

Rebecca,

Here are the intervals that the samples were taken from at the above referenced property so that you may edit your report. Let me know if there is anything else needed.

SB-1 - 2 ft to 4 ft interval
SB-2 - 0 ft to 2 ft interval
SB-3 - 0 ft to 2 ft interval

SB-4 - 0 ft to 2 ft interval
SB-5 - 0 ft to 2 ft interval
SB-6 - 2 ft to 4 ft interval
SB-7 - 2 ft to 4 ft interval
SB-8 - 4 ft to 6 ft interval
SB-9 - 0 ft to 2 ft interval
SB-10 - 0 ft to 2 ft interval

Thank you,

Corey Knuckles
Environmental Scientist/Project Manager

12570 Northeast 7th Avenue, North Miami, FL 33161
Toll Free Number: 1-888-316-7583 | **Office:** (305) 893-4955 | **Fax:** (305) 893-9364
Mobile: (786) 447-9141
E-Mail: cknuckles@landscienceinc.com | **Website:** www.LandScienceinc.com

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 1856675
P.O. # _____
Quote # _____

Company Name: LandScience In
Address: on file
City: N Miami State: FL Zip:
Sampling Site Address: Cloves Lake property
Attn: Corey Knuckles Email: CKnuckles@landsc
Project Name: Ph 2 Project #: 2186398
Sampler Name/Signature:

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due 5/22/18

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	VOCs	SVOCs	TRPH	8 RCRA metals	Field Filtered (Y/N)	Comments
1	SB 1	5/7	10:45am	S	4	✓	✓	✓	✓		
2	GW 1	5/7	10:55am	GW	6	✓	✓	✓	✓		
3	SB 2	5/7	11:15am	S	4	✓	✓	✓	✓		
4	SB 3	5/7	11:40am	S	4	✓	✓	✓	✓		
5	GW 2	5/7	12:00pm	GW	6	✓	✓	✓	✓		
6	SB 4	5/7	12:15	S	4	✓	✓	✓	✓		
7	SB 5	5/7	12:35	S	4	✓	✓	✓	✓		
8	SB 6	5/7	12:45	S	4	✓	✓	✓	✓		
9	~~GW~~ SB 7	5/7	1:10	S	4	✓	✓	✓	✓		
10	SB 8	5/7	1:30	S	4	✓	✓	✓	✓		

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Corey Knuckles	5/8	14:10		5/8/18	14:10
	5/8/18	16:07		5.8.18	~~17:2~~ RN 16:07
	5.8.18	17:20		5.8.18	17:20

QA/QC level with report
None ___ 1 ___ 2 ___ 3 ___ See price guide for applicable fees

FDEP Dry Cleaning ☐ FDEP UST Pre-Approval ☐
SFWMD ☐ ADaPT ☐ DOT ☐

Temp Control: 4.1 °C

856675

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 185675
P.O. # _____
Quote # _____

Company Name: Landscience Inc.
Address: ~~Chaves Lake~~ property onfile
City: ~~Hollywood~~ State: FL Zip:
Sampling Site Address: Chaves lake Property
Attn: Corey Knucks Email: Cknucks@land
Project Name: Ph 2 Project #: 2186398
Sampler Name/Signature: CK

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due 5/7/18

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	VOCs	SVOCs	TR PH	8 RCRA metals	Field Filtered (Y/N)	Comments
1	SB 9	5/7	2:00pm	S	4	✓	✓	✓	✓		
2	SB 10	5/7	2:30	S	4	✓	✓	✓	✓		
3	GW 3	5/7	2:50	GW	6	✓	✓	✓	✓		
4											
5											
6											
7											
8											
9											
0											

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
Corey Knucks	5/8	14:10		5/8/18	14:10
	5/8/18	16:07		5.8.18	16:07
	5.8.18	17:20		5.8.18	17:20

QA/QC level with report
None ___1___2___3___ See price guide for applicable fees

FDEP Dry Cleaning ❑ FDEP UST Pre-Approval ❑
SFWMD ❑ ADaPT ❑ DOT ❑

Temp Control: 4.1 °C

856675

Client Information

SDG#:	**1856675**	Level:	
Client:	LandSci	Date Rec'd:	5/8/2018 5:20:00 PM
REQNBR:	2684	Due Date:	
Project:	Corey Knuckles	Profile Name:	C. Knuckles

Select LabID 1856675013 Add

Sample Discrepancy

LabID: 1856675002

Discrepancy: Water sample for 8 RCRA analysis received unpreserved.

Resolution: Preserved in-house.

LabID: 1856675005

Discrepancy: Water sample for 8 RCRA analysis received unpreserved.

Resolution: Preserved in-house.

LabID: 1856675013

Discrepancy: Water sample for 8 RCRA analysis received unpreserved.

Resolution: Preserved in-house.

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	1856675	**Req:**	2684
Client:	LandSci	**Project:**	C. Knuckles
Level:	1	**Date Rec'd:**	5/8/2018 5:20:00 PM
Rec'd via:	courier		

Cooler Check

ID	Temp	# of samples	Security Tape Present	Security Tape Intact	Method of Receipt	Comments
	4.1	13	☐	☐		

Checked By: MD

Sample Verification

Loose Caps?	No	**All Samples on COC accounted For?**	Yes
Broken Containers?	No	**All Samples on COC?**	Yes
pH Verified?	Yes	**Written on Internal COC?**	No
pH Strip Lot #	HC740840	**Sample Vol. Suff. For Analysis?**	Yes
Acid Preserved Samples Lot #	13336	**Samples Rec'd W/I Hold Time?**	Yes
Base Preserved Samples Lot #		**Are All Samples to be Analyzed?**	Yes
Samples Received From	courier	**Correct Sample Containers?**	Yes
Soil Origin (Domestic/Foreign	Domestic	**COC Comments written on COC?**	No
Site Location/Project on COC?	Yes	**Samplers Initials on COC?**	Yes
Client Project # on COC?	Yes	**Sample Date/Time Indicated?**	Yes
Project Mgr. Indicated on COC	Yes	**TAT Requested:**	STD
COC relinquished/Dated by Client?	Yes	**Client Requests Verbal Results?**	No
COC Received/Dated by JEL	Yes		
JEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Via	Lab Name	Comments

APPENDIX D

Laboratory Analytical Reports and Chain of Custody Records for Lake Sediment and Water Samples Collected on May 21, 2018

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118
www.jupiterlabs.com
clientservices@jupiterlabs.com

June 1, 2018

Mauricio Pages
Land Science
12570 NE 7TH Ave
Miami, FL 33161

RE:	LOG#	1856885
	Project ID:	CITY OF HALLANDALE
	COC#	1856885

Dear Mauricio Pages:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, May 22, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by * in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

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

Sincerely,

Rebecca Lourido for
Kacia Baldwin
V.P. of Operations

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE ANALYTE COUNT

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID	Sample ID	Method	Analytes Reported
1856885001	LW-1 (9')	EPA 200.8 (Total)	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
1856885002	LW-1 (18')	EPA 200.8 (Total)	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
1856885003	LS-1	EPA 6020	8
		EPA 8260C	76
		EPA 8270C	87
		FL-PRO (GC)	3
		SM 2540G	1

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

SAMPLE SUMMARY

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1856885001	LW-1 (9')	Aqueous Liquid	5/21/2018 13:20	5/22/2018 18:00
1856885002	LW-1 (18')	Aqueous Liquid	5/21/2018 13:40	5/22/2018 18:00
1856885003	LS-1	Soil/Solid	5/21/2018 14:30	5/22/2018 18:00

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885001** Date Received: 5/22/2018 18:00 Matrix: Aqueous Liquid

Sample ID: **LW-1 (9')** Date Collected: 5/21/2018 13:20

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (W)					Preparation Method: EPA 5030B					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,1,1-Trichloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,1,2,2-Tetrachloroethane	U	ug/L	1.00	0.200	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,1,2-Trichloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,1-Dichloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,1-Dichloroethene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,1-Dichloropropene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,2,3-Trichlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,2,3-Trichloropropane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,2,4-Trichlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,2,4-Trimethylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,2-DBCP	U	ug/L	1.00	0.550	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,2-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,2-Dichloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,2-Dichloropropane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,3,5-Trimethylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,3-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,3-Dichloropropane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
1,4-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
2,2-Dichloropropane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
2-Chlorotoluene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
2-Hexanone	U	ug/L	10.0	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
4-Chlorotoluene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Dibromofluoromethane (S)	92	%	70-130		1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
4-Isopropyltoluene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
4-methyl-2-pentanone	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Acetone	U	ug/L	10.0	0.510	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Acrolein	U	ug/L	20.0	8.70	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	J3
Acrylonitrile	U	ug/L	20.0	4.20	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Benzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Bromobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Bromochloromethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Bromodichloromethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Bromoform	U	ug/L	1.00	0.550	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Toluene d8 (S)	100	%	70-130		1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Bromomethane	U	ug/L	6.00	4.00	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Carbon disulfide	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Carbon tetrachloride	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885001** Date Received: 5/22/2018 18:00 Matrix: Aqueous Liquid

Sample ID: **LW-1 (9')** Date Collected: 5/21/2018 13:20

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Chlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Chloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Chloroform	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Chloromethane	U	ug/L	5.00	2.50	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Dibromochloromethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Dibromomethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Dichlorodifluoromethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
4-Bromofluorobenzene (S)	97	%	70-130		1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
cis-1,3-Dichloropropene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Ethyl methacrylate	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Ethylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Hexachlorobutadiene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Iodomethane	U	ug/L	1.00	0.460	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Isopropylbenzene (Cumene)	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Methyl ethyl ketone (MEK)	U	ug/L	5.00	0.640	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Methylene chloride	U	ug/L	4.00	2.00	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Naphthalene	U	ug/L	2.00	1.00	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Styrene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Tetrachloroethene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Toluene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Trichloroethene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Trichlorofluoromethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Vinyl acetate	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Vinyl chloride	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
Xylenes- Total	U	ug/L	3.00	0.800	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
cis-1,2-Dichloroethene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
cis-1,4-Dichloro-2-butene	U	ug/L	1.00	0.440	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
m & p-xylene	U	ug/L	2.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
n-Butylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
n-propylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
o-Xylene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
sec-Butylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
t-1,4-Dichloro-2-butene	U	ug/L	1.00	0.410	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
tert-Butylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
trans-1,2-Dichloroethene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	
trans-1,3-Dichloropropene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:34	JS	

Semivolatiles by EPA 8270C

Analysis Desc: EPA 8270C DOD Full List (W) Preparation Method: EPA 3510C

Analytical Method: EPA 8270C

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885001** Date Received: 5/22/2018 18:00 Matrix: Aqueous Liquid

Sample ID: **LW-1 (9')** Date Collected: 5/21/2018 13:20

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
1,1'-Biphenyl	U	ug/L	11.2	3.74	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
1,2,4,5-Tetrachlorobenzene	U	ug/L	4.67	0.486	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
1,2,4-Trichlorobenzene	U	ug/L	4.67	0.860	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
1,2-Dichlorobenzene	U	ug/L	4.67	0.607	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
1,3-Dichlorobenzene	U	ug/L	4.67	0.832	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2-Fluorophenol (S)	37	%	20-110		1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
1,4-Dichlorobenzene	U	ug/L	4.67	0.888	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Phenol-d5 (S)	21	%	10-110		1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
1-Methylnaphthalene	U	ug/L	4.67	0.505	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Nitrobenzene-d5 (S)	59	%	30-110		1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2,3,4,6-Tetrachlorophenol	U	ug/L	4.67	0.439	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2-Fluorobiphenyl (S)	68	%	40-110		1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2,4,5-Trichlorophenol	U	ug/L	9.35	0.411	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2,4,6-Tribromophenol (S)	74	%	10-120		1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2,4,6-Trichlorophenol	U	ug/L	4.67	0.439	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
p-Terphenyl-d14 (S)	83	%	30-140		1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2,4-Dichlorophenol	U	ug/L	9.35	0.579	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2,4-Dinitrophenol	U	ug/L	4.67	0.738	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2,4-Dinitrotoluene	U	ug/L	4.67	0.570	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2,6-Dichlorophenol	U	ug/L	9.35	0.561	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2,6-Dinitrotoluene	U	ug/L	4.67	0.523	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2-Chloronaphthalene	U	ug/L	4.67	0.383	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2-Chlorophenol	U	ug/L	4.67	0.421	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2-Methylnaphthalene	U	ug/L	4.67	0.439	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2-Methylphenol	U	ug/L	4.67	0.336	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2-Nitroaniline	U	ug/L	9.35	0.542	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2-Nitrophenol	U	ug/L	4.67	0.551	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
3&4-Methylphenol	U	ug/L	9.35	0.411	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
3,3'-Dichlorobenzidine	U	ug/L	4.67	0.710	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
3-Nitroaniline	U	ug/L	4.67	0.561	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
4,6-Dinitro-2-methylphenol	U	ug/L	9.35	0.598	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
4-Chloro-3-methylphenol	U	ug/L	4.67	0.561	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
4-Chloroaniline	U	ug/L	4.67	1.25	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
4-Chlorophenyl phenyl ether	U	ug/L	4.67	0.561	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Acenaphthene	U	ug/L	4.67	0.514	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Acenaphthylene	U	ug/L	4.67	0.430	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Acetophenone	U	ug/L	11.2	2.80	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Aniline	U	ug/L	4.67	1.42	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Anthracene	U	ug/L	4.67	0.579	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Atrazine	U	ug/L	11.2	1.87	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Benzaldehyde*	U	ug/L	11.2	3.74	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Benzidine	U	ug/L	18.7	5.53	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Benzo(a)anthracene	U	ug/L	4.67	0.748	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885001** Date Received: 5/22/2018 18:00 Matrix: Aqueous Liquid

Sample ID: **LW-1 (9')** Date Collected: 5/21/2018 13:20

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Benzo(a)pyrene	U	ug/L	4.67	0.570	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Benzo(b)fluoranthene	U	ug/L	4.67	0.645	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Benzo(g,h,i)perylene	U	ug/L	4.67	0.579	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Benzo(k)fluoranthene	U	ug/L	4.67	0.748	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Benzyl alcohol	U	ug/L	4.67	0.290	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
4-Bromophenyl phenyl ether	U	ug/L	4.67	0.626	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Butyl benzyl phthalate	U	ug/L	4.67	0.561	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Caprolactam*	U	ug/L	46.7	23.4	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Carbazole	U	ug/L	4.67	0.589	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Chrysene	U	ug/L	1.87	0.467	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Di-n-butyl phthalate	U	ug/L	4.67	0.626	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Di-n-octyl phthalate	U	ug/L	4.67	0.467	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Dibenzo(a,h)anthracene	U	ug/L	4.67	0.617	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Dibenzofuran	U	ug/L	4.67	0.533	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Diethyl phthalate	U	ug/L	18.7	2.21	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Dimethyl phthalate	U	ug/L	4.67	0.458	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
2,4-Dimethylphenol	U	ug/L	4.67	0.813	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Fluoranthene	U	ug/L	4.67	0.561	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Fluorene	U	ug/L	4.67	0.607	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Hexachlorobenzene	U	ug/L	4.67	0.551	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Hexachlorobutadiene	U	ug/L	4.67	1.00	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Hexachlorocyclopentadiene	U	ug/L	9.35	0.720	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Hexachloroethane	U	ug/L	4.67	0.935	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Indeno(1,2,3-cd)pyrene	U	ug/L	4.67	0.682	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Isophorone	U	ug/L	4.67	0.449	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
N-Nitrosodi-n-propylamine	U	ug/L	4.67	0.579	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
N-Nitrosodiethylamine	U	ug/L	4.67	0.694	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
N-Nitrosodimethylamine	U	ug/L	4.67	0.701	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
N-Nitrosodiphenylamine	U	ug/L	4.67	0.411	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Naphthalene	U	ug/L	4.67	0.748	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
4-Nitroaniline	U	ug/L	9.35	0.505	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Nitrobenzene	U	ug/L	4.67	0.523	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
4-Nitrophenol	U	ug/L	4.67	0.299	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Pentachlorobenzene	U	ug/L	4.67	0.701	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Pentachlorophenol	U	ug/L	4.67	0.701	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Phenanthrene	U	ug/L	4.67	0.514	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Phenol	U	ug/L	4.67	0.159	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Pyrene	U	ug/L	4.67	0.589	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Pyridine	U	ug/L	18.7	2.44	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
bis[2-Chloroethoxy]methane	U	ug/L	4.67	0.393	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
bis[2-Chloroethyl]ether	U	ug/L	4.67	0.570	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
bis[2-Chloroisopropyl]ether	U	ug/L	4.67	0.720	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
bis[2-Ethylhexyl]phthalate	U	ug/L	4.67	1.87	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885001** Date Received: 5/22/2018 18:00 Matrix: Aqueous Liquid

Sample ID: **LW-1 (9')** Date Collected: 5/21/2018 13:20

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
o-Toluidine	U	ug/L	4.67	1.34	1	5/25/2018 10:30	JG	5/25/2018 16:55	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (W)					Preparation Method: EPA 3510C Analytical Method: FL-PRO (GC)					
Florida Pro Total	0.330	mg/L	0.299	0.150	2	5/25/2018 10:28	JG	5/25/2018 20:20	VS	
o-Terphenyl (S)	80	%	50-150		2	5/25/2018 10:28	JG	5/25/2018 20:20	VS	
n-Triacontane-d62 (S)	85	%	50-150		2	5/25/2018 10:28	JG	5/25/2018 20:20	VS	
Analysis Desc: EPA 200.8 Total RCRA-8 Metals (W)					Preparation Method: EPA 200.2 mod. Analytical Method: EPA 200.8 (Total)					
Chromium	U	ug/L	2.0	0.27	4	5/24/2018 10:54	ZS	5/24/2018 21:10	ZS	
Arsenic	U	ug/L	2.0	0.65	4	5/24/2018 10:54	ZS	5/24/2018 21:10	ZS	
Selenium	U	ug/L	4.0	2.1	4	5/24/2018 10:54	ZS	5/24/2018 21:10	ZS	
Silver	0.30i	ug/L	2.0	0.28	4	5/24/2018 10:54	ZS	5/24/2018 21:10	ZS	
Cadmium	U	ug/L	2.0	0.28	4	5/24/2018 10:54	ZS	5/24/2018 21:10	ZS	
Barium	14	ug/L	2.0	0.30	4	5/24/2018 10:54	ZS	5/24/2018 21:10	ZS	
Mercury	U	ug/L	2.0	0.73	4	5/24/2018 10:54	ZS	5/24/2018 21:10	ZS	
Lead	U	ug/L	2.0	0.12	4	5/24/2018 10:54	ZS	5/24/2018 21:10	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885002** Date Received: 5/22/2018 18:00 Matrix: Aqueous Liquid

Sample ID: **LW-1 (18')** Date Collected: 5/21/2018 13:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (W)					Preparation Method: EPA 5030B					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,1,1-Trichloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,1,2,2-Tetrachloroethane	U	ug/L	1.00	0.200	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,1,2-Trichloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,1-Dichloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,1-Dichloroethene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,1-Dichloropropene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,2,3-Trichlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,2,3-Trichloropropane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,2,4-Trichlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,2,4-Trimethylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,2-DBCP	U	ug/L	1.00	0.550	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,2-Dibromoethane (EDB)	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,2-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,2-Dichloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,2-Dichloropropane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,3,5-Trimethylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,3-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,3-Dichloropropane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
1,4-Dichlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
2,2-Dichloropropane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
2-Chlorotoluene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
2-Hexanone	U	ug/L	10.0	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
4-Chlorotoluene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Dibromofluoromethane (S)	91	%	70-130		1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
4-Isopropyltoluene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
4-methyl-2-pentanone	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Acetone	U	ug/L	10.0	0.510	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Acrolein	U	ug/L	20.0	8.70	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	J3
Acrylonitrile	U	ug/L	20.0	4.20	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Benzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Bromobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Bromochloromethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Bromodichloromethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Bromoform	U	ug/L	1.00	0.550	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Toluene d8 (S)	104	%	70-130		1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Bromomethane	U	ug/L	6.00	4.00	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Carbon disulfide	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Carbon tetrachloride	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885002** Date Received: 5/22/2018 18:00 Matrix: Aqueous Liquid

Sample ID: **LW-1 (18')** Date Collected: 5/21/2018 13:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Chlorobenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Chloroethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Chloroform	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Chloromethane	U	ug/L	5.00	2.50	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Dibromochloromethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Dibromomethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Dichlorodifluoromethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
4-Bromofluorobenzene (S)	100	%	70-130		1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
cis-1,3-Dichloropropene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Ethyl methacrylate	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Ethylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Hexachlorobutadiene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Iodomethane	U	ug/L	1.00	0.460	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Isopropylbenzene (Cumene)	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Methyl ethyl ketone (MEK)	U	ug/L	5.00	0.640	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Methylene chloride	U	ug/L	4.00	2.00	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Naphthalene	U	ug/L	2.00	1.00	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Styrene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Tetrachloroethene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Toluene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Trichloroethene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Trichlorofluoromethane	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Vinyl acetate	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Vinyl chloride	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
Xylenes- Total	U	ug/L	3.00	0.800	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
cis-1,2-Dichloroethene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
cis-1,4-Dichloro-2-butene	U	ug/L	1.00	0.440	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
m & p-xylene	U	ug/L	2.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
n-Butylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
n-propylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
o-Xylene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
sec-Butylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
t-1,4-Dichloro-2-butene	U	ug/L	1.00	0.410	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
tert-Butylbenzene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
trans-1,2-Dichloroethene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	
trans-1,3-Dichloropropene	U	ug/L	1.00	0.400	1	5/25/2018 09:24	JSJ	5/25/2018 18:58	JS	

Semivolatiles by EPA 8270C

Analysis Desc: EPA 8270C DOD Full List (W) Preparation Method: EPA 3510C

Analytical Method: EPA 8270C

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885002** Date Received: 5/22/2018 18:00 Matrix: Aqueous Liquid

Sample ID: **LW-1 (18')** Date Collected: 5/21/2018 13:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
1,1'-Biphenyl	U	ug/L	11.2	3.74	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
1,2,4,5-Tetrachlorobenzene	U	ug/L	4.67	0.486	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
1,2,4-Trichlorobenzene	U	ug/L	4.67	0.860	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
1,2-Dichlorobenzene	U	ug/L	4.67	0.607	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
1,3-Dichlorobenzene	U	ug/L	4.67	0.832	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2-Fluorophenol (S)	37	%	20-110		1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
1,4-Dichlorobenzene	U	ug/L	4.67	0.888	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Phenol-d5 (S)	21	%	10-110		1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
1-Methylnaphthalene	U	ug/L	4.67	0.505	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Nitrobenzene-d5 (S)	58	%	30-110		1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2,3,4,6-Tetrachlorophenol	U	ug/L	4.67	0.439	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2-Fluorobiphenyl (S)	65	%	40-110		1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2,4,5-Trichlorophenol	U	ug/L	9.35	0.411	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2,4,6-Tribromophenol (S)	76	%	10-120		1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2,4,6-Trichlorophenol	U	ug/L	4.67	0.439	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
p-Terphenyl-d14 (S)	88	%	30-140		1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2,4-Dichlorophenol	U	ug/L	9.35	0.579	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2,4-Dinitrophenol	U	ug/L	4.67	0.738	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2,4-Dinitrotoluene	U	ug/L	4.67	0.570	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2,6-Dichlorophenol	U	ug/L	9.35	0.561	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2,6-Dinitrotoluene	U	ug/L	4.67	0.523	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2-Chloronaphthalene	U	ug/L	4.67	0.383	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2-Chlorophenol	U	ug/L	4.67	0.421	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2-Methylnaphthalene	U	ug/L	4.67	0.439	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2-Methylphenol	U	ug/L	4.67	0.336	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2-Nitroaniline	U	ug/L	9.35	0.542	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2-Nitrophenol	U	ug/L	4.67	0.551	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
3&4-Methylphenol	U	ug/L	9.35	0.411	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
3,3'-Dichlorobenzidine	U	ug/L	4.67	0.710	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
3-Nitroaniline	U	ug/L	4.67	0.561	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
4,6-Dinitro-2-methylphenol	U	ug/L	9.35	0.598	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
4-Chloro-3-methylphenol	U	ug/L	4.67	0.561	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
4-Chloroaniline	U	ug/L	4.67	1.25	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
4-Chlorophenyl phenyl ether	U	ug/L	4.67	0.561	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Acenaphthene	U	ug/L	4.67	0.514	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Acenaphthylene	U	ug/L	4.67	0.430	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Acetophenone	U	ug/L	11.2	2.80	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Aniline	U	ug/L	4.67	1.42	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Anthracene	U	ug/L	4.67	0.579	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Atrazine	U	ug/L	11.2	1.87	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Benzaldehyde*	U	ug/L	11.2	3.74	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Benzidine	U	ug/L	18.7	5.53	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Benzo(a)anthracene	U	ug/L	4.67	0.748	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885002** Date Received: 5/22/2018 18:00 Matrix: Aqueous Liquid

Sample ID: **LW-1 (18')** Date Collected: 5/21/2018 13:40

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Benzo(a)pyrene	U	ug/L	4.67	0.570	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Benzo(b)fluoranthene	U	ug/L	4.67	0.645	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Benzo(g,h,i)perylene	U	ug/L	4.67	0.579	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Benzo(k)fluoranthene	U	ug/L	4.67	0.748	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Benzyl alcohol	U	ug/L	4.67	0.290	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
4-Bromophenyl phenyl ether	U	ug/L	4.67	0.626	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Butyl benzyl phthalate	U	ug/L	4.67	0.561	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Caprolactam*	U	ug/L	46.7	23.4	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Carbazole	U	ug/L	4.67	0.589	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Chrysene	U	ug/L	1.87	0.467	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Di-n-butyl phthalate	U	ug/L	4.67	0.626	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Di-n-octyl phthalate	U	ug/L	4.67	0.467	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Dibenzo(a,h)anthracene	U	ug/L	4.67	0.617	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Dibenzofuran	U	ug/L	4.67	0.533	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Diethyl phthalate	U	ug/L	18.7	2.21	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Dimethyl phthalate	U	ug/L	4.67	0.458	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
2,4-Dimethylphenol	U	ug/L	4.67	0.813	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Fluoranthene	U	ug/L	4.67	0.561	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Fluorene	U	ug/L	4.67	0.607	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Hexachlorobenzene	U	ug/L	4.67	0.551	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Hexachlorobutadiene	U	ug/L	4.67	1.00	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Hexachlorocyclopentadiene	U	ug/L	9.35	0.720	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Hexachloroethane	U	ug/L	4.67	0.935	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Indeno(1,2,3-cd)pyrene	U	ug/L	4.67	0.682	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Isophorone	U	ug/L	4.67	0.449	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
N-Nitrosodi-n-propylamine	U	ug/L	4.67	0.579	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
N-Nitrosodiethylamine	U	ug/L	4.67	0.694	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
N-Nitrosodimethylamine	U	ug/L	4.67	0.701	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
N-Nitrosodiphenylamine	U	ug/L	4.67	0.411	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Naphthalene	U	ug/L	4.67	0.748	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
4-Nitroaniline	U	ug/L	9.35	0.505	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Nitrobenzene	U	ug/L	4.67	0.523	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
4-Nitrophenol	U	ug/L	4.67	0.299	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Pentachlorobenzene	U	ug/L	4.67	0.701	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Pentachlorophenol	U	ug/L	4.67	0.701	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Phenanthrene	U	ug/L	4.67	0.514	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Phenol	U	ug/L	4.67	0.159	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Pyrene	U	ug/L	4.67	0.589	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Pyridine	U	ug/L	18.7	2.44	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
bis[2-Chloroethoxy]methane	U	ug/L	4.67	0.393	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
bis[2-Chloroethyl]ether	U	ug/L	4.67	0.570	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
bis[2-Chloroisopropyl]ether	U	ug/L	4.67	0.720	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
bis[2-Ethylhexyl]phthalate	U	ug/L	4.67	1.87	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID:	**1856885002**	Date Received:	5/22/2018 18:00	Matrix:	Aqueous Liquid
Sample ID:	**LW-1 (18')**	Date Collected:	5/21/2018 13:40		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
o-Toluidine	U	ug/L	4.67	1.34	1	5/25/2018 10:30	JG	5/25/2018 17:29	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (W)					Preparation Method: EPA 3510C Analytical Method: FL-PRO (GC)					
Florida Pro Total	0.259i	mg/L	0.299	0.150	2	5/25/2018 10:28	JG	5/25/2018 20:39	VS	
o-Terphenyl (S)	77	%	50-150		2	5/25/2018 10:28	JG	5/25/2018 20:39	VS	
n-Triacontane-d62 (S)	81	%	50-150		2	5/25/2018 10:28	JG	5/25/2018 20:39	VS	
Analysis Desc: EPA 200.8 Total RCRA-8 Metals (W)					Preparation Method: EPA 200.2 mod. Analytical Method: EPA 200.8 (Total)					
Chromium	U	ug/L	2.0	0.27	4	5/24/2018 10:54	ZS	5/24/2018 21:14	ZS	
Arsenic	U	ug/L	2.0	0.65	4	5/24/2018 10:54	ZS	5/24/2018 21:14	ZS	
Selenium	U	ug/L	4.0	2.1	4	5/24/2018 10:54	ZS	5/24/2018 21:14	ZS	
Silver	U	ug/L	2.0	0.28	4	5/24/2018 10:54	ZS	5/24/2018 21:14	ZS	
Cadmium	U	ug/L	2.0	0.28	4	5/24/2018 10:54	ZS	5/24/2018 21:14	ZS	
Barium	14	ug/L	2.0	0.30	4	5/24/2018 10:54	ZS	5/24/2018 21:14	ZS	
Mercury	U	ug/L	2.0	0.73	4	5/24/2018 10:54	ZS	5/24/2018 21:14	ZS	
Lead	U	ug/L	2.0	0.12	4	5/24/2018 10:54	ZS	5/24/2018 21:14	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID:	**1856885003**	Date Received:	5/22/2018 18:00	Matrix:	Soil/Solid
Sample ID:	**LS-1**	Date Collected:	5/21/2018 14:30		

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
Dibromofluoromethane (S)	102	%	60-135		1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Toluene d8 (S)	82	%	60-135		1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
4-Bromofluorobenzene (S)	86	%	60-135		1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Volatiles by GC/MS										
Analysis Desc: EPA 8260C Full Scan (S)					Preparation Method: EPA 5035					
					Analytical Method: EPA 8260C					
1,1,1,2-Tetrachloroethane	U	mg/Kg	0.0017	0.00051	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,1,1-Trichloroethane	U	mg/Kg	0.0017	0.00047	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,1,2,2-Tetrachloroethane	U	mg/Kg	0.0017	0.00041	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,1,2-Trichloroethane	U	mg/Kg	0.0017	0.00044	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,1-Dichloroethane	U	mg/Kg	0.0017	0.00067	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,1-Dichloroethene	U	mg/Kg	0.0017	0.00077	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,1-Dichloropropene	U	mg/Kg	0.0017	0.00040	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,2,3-Trichlorobenzene	U	mg/Kg	0.00086	0.00012	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,2,3-Trichloropropane	U	mg/Kg	0.0026	0.0010	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,2,4-Trichlorobenzene	U	mg/Kg	0.0017	0.00019	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,2,4-Trimethylbenzene	U	mg/Kg	0.0017	0.00064	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,2-DBCP	U	mg/Kg	0.0017	0.00018	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,2-Dibromoethane (EDB)	U	mg/Kg	0.0017	0.00041	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,2-Dichlorobenzene	U	mg/Kg	0.0017	0.00025	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,2-Dichloroethane	U	mg/Kg	0.0017	0.00072	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,2-Dichloropropane	U	mg/Kg	0.0017	0.00051	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,3,5-Trimethylbenzene	U	mg/Kg	0.0017	0.00018	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,3-Dichlorobenzene	U	mg/Kg	0.0017	0.00027	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,3-Dichloropropane	U	mg/Kg	0.0017	0.00039	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
1,4-Dichlorobenzene	U	mg/Kg	0.0017	0.00029	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
2,2-Dichloropropane	U	mg/Kg	0.0017	0.00045	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
2-Chlorotoluene	U	mg/Kg	0.0017	0.00032	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
2-Hexanone	U	mg/Kg	0.0026	0.00099	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
4-Chlorotoluene	U	mg/Kg	0.0017	0.00027	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
4-Isopropyltoluene	U	mg/Kg	0.0017	0.00021	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
4-methyl-2-pentanone	U	mg/Kg	0.0017	0.00046	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Acetone	U	mg/Kg	0.0086	0.0027	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Acrolein	U	mg/Kg	0.0086	0.0040	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Acrylonitrile	U	mg/Kg	0.017	0.0064	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Benzene	U	mg/Kg	0.0017	0.00039	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Bromobenzene	U	mg/Kg	0.0017	0.00032	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885003** Date Received: 5/22/2018 18:00 Matrix: Soil/Solid

Sample ID: **LS-1** Date Collected: 5/21/2018 14:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Bromochloromethane	U	mg/Kg	0.0026	0.00095	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Bromodichloromethane	U	mg/Kg	0.0017	0.00031	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Bromoform	U	mg/Kg	0.0017	0.00064	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Bromomethane	U	mg/Kg	0.0026	0.0013	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Carbon disulfide	U	mg/Kg	0.0017	0.00062	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Carbon tetrachloride	U	mg/Kg	0.0017	0.00046	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Chlorobenzene	U	mg/Kg	0.0017	0.00037	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Chloroethane	U	mg/Kg	0.0017	0.00050	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Chloroform	U	mg/Kg	0.013	0.0057	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Chloromethane	U	mg/Kg	0.0017	0.00058	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Dibromochloromethane	U	mg/Kg	0.0017	0.00049	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Dibromomethane	U	mg/Kg	0.0017	0.00098	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Dichlorodifluoromethane	U	mg/Kg	0.0017	0.00032	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
cis-1,3-Dichloropropene	U	mg/Kg	0.0017	0.00048	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Ethyl methacrylate	U	mg/Kg	0.0017	0.00031	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Ethylbenzene	U	mg/Kg	0.0017	0.00028	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Hexachlorobutadiene	U	mg/Kg	0.0017	0.00019	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Iodomethane	U	mg/Kg	0.0017	0.00037	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Isopropylbenzene (Cumene)	U	mg/Kg	0.0017	0.00028	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Methyl ethyl ketone (MEK)	U	mg/Kg	0.0086	0.0012	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Methylene chloride	U	mg/Kg	0.0086	0.0043	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Naphthalene	U	mg/Kg	0.0086	0.0043	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Styrene	U	mg/Kg	0.0017	0.00027	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Tetrachloroethene	U	mg/Kg	0.0017	0.00039	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Toluene	U	mg/Kg	0.0017	0.00034	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Trichloroethene	U	mg/Kg	0.0017	0.00067	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Trichlorofluoromethane	U	mg/Kg	0.0017	0.00064	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Vinyl acetate	U	mg/Kg	0.0017	0.00070	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Vinyl chloride	U	mg/Kg	0.0017	0.00084	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
Xylenes- Total	U	mg/Kg	0.0017	0.00085	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
cis-1,2-Dichloroethene	U	mg/Kg	0.0017	0.00038	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
cis-1,4-Dichloro-2-butene	U	mg/Kg	0.0017	0.00080	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
m & p-xylene	U	mg/Kg	0.0017	0.00055	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
n-Butylbenzene	U	mg/Kg	0.0017	0.00022	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
n-propylbenzene	U	mg/Kg	0.0017	0.00026	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
o-Xylene	U	mg/Kg	0.0017	0.00030	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
sec-Butylbenzene	U	mg/Kg	0.0017	0.00020	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
t-1,4-Dichloro-2-butene	U	mg/Kg	0.017	0.0061	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
tert-Butyl methyl ether (MTBE)	U	mg/Kg	0.0026	0.00095	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
tert-Butylbenzene	U	mg/Kg	0.0017	0.00025	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
trans-1,2-Dichloroethene	U	mg/Kg	0.0017	0.00076	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	
trans-1,3-Dichloropropene	U	mg/Kg	0.0017	0.00038	1	5/31/2018 09:29	JSJ	5/31/2018 14:11	JSJ	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885003** Date Received: 5/22/2018 18:00 Matrix: Soil/Solid

Sample ID: **LS-1** Date Collected: 5/21/2018 14:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Semivolatiles by EPA 8270C										
Analysis Desc: EPA 8270C DOD Full List (S)						Preparation Method: EPA 3545				
						Analytical Method: EPA 8270C				
1,1'-Biphenyl	U	mg/Kg	1.40	0.234	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
1,2,4,5-Tetrachlorobenzene	U	mg/Kg	0.234	0.093	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
1,2,4-Trichlorobenzene	U	mg/Kg	0.234	0.107	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
1,2-Dichlorobenzene	U	mg/Kg	0.234	0.110	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
1,3-Dichlorobenzene	U	mg/Kg	0.234	0.086	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2-Fluorophenol (S)	35	%	25-120		1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
1,4-Dichlorobenzene	U	mg/Kg	0.234	0.093	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Phenol-d5 (S)	35	%	20-110		1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
1-Methylnaphthalene	U	mg/Kg	0.234	0.056	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Nitrobenzene-d5 (S)	34	%	20-120		1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2,3,4,6-Tetrachlorophenol	U	mg/Kg	0.234	0.077	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2-Fluorobiphenyl (S)	38	%	30-115		1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2,4,5-Trichlorophenol	U	mg/Kg	0.234	0.084	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2,4,6-Tribromophenol (S)	49	%	20-120		1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2,4,6-Trichlorophenol	U	mg/Kg	0.234	0.082	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
p-Terphenyl-d14 (S)	54	%	15-140		1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2,4-Dichlorophenol	U	mg/Kg	0.234	0.086	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2,4-Dinitrophenol	U	mg/Kg	0.234	0.234	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2,4-Dinitrotoluene	U	mg/Kg	0.234	0.068	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2,6-Dichlorophenol	U	mg/Kg	0.234	0.098	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2,6-Dinitrotoluene	U	mg/Kg	0.234	0.091	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2-Chloronaphthalene	U	mg/Kg	0.234	0.105	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2-Chlorophenol	U	mg/Kg	0.234	0.084	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2-Methylnaphthalene	U	mg/Kg	0.234	0.072	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2-Methylphenol	U	mg/Kg	0.234	0.072	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2-Nitroaniline	U	mg/Kg	0.234	0.070	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2-Nitrophenol	U	mg/Kg	0.234	0.121	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
3&4-Methylphenol	U	mg/Kg	0.467	0.082	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
3,3'-Dichlorobenzidine	U	mg/Kg	0.234	0.065	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
3-Nitroaniline	U	mg/Kg	0.234	0.075	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
4,6-Dinitro-2-methylphenol	U	mg/Kg	0.234	0.206	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
4-Chloro-3-methylphenol	U	mg/Kg	0.234	0.070	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
4-Chloroaniline	U	mg/Kg	0.234	0.103	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
4-Chlorophenyl phenyl ether	U	mg/Kg	0.234	0.056	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Acenaphthene	U	mg/Kg	0.234	0.068	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Acenaphthylene	U	mg/Kg	0.234	0.075	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Acetophenone	U	mg/Kg	1.40	0.234	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Aniline	U	mg/Kg	0.234	0.091	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Anthracene	U	mg/Kg	0.234	0.072	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885003** Date Received: 5/22/2018 18:00 Matrix: Soil/Solid

Sample ID: **LS-1** Date Collected: 5/21/2018 14:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
Atrazine	U	mg/Kg	1.40	0.234	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Benzaldehyde*	U	mg/Kg	1.40	0.234	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Benzidine	U	mg/Kg	0.234	0.103	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Benzo(a)anthracene	0.203i	mg/Kg	0.234	0.072	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Benzo(a)pyrene	0.294	mg/Kg	0.234	0.056	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Benzo(b)fluoranthene	0.347	mg/Kg	0.234	0.056	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Benzo(g,h,i)perylene	0.241	mg/Kg	0.234	0.077	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Benzo(k)fluoranthene	0.142i	mg/Kg	0.234	0.098	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Benzyl alcohol	U	mg/Kg	0.234	0.098	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
4-Bromophenyl phenyl ether	U	mg/Kg	0.234	0.086	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Butyl benzyl phthalate	U	mg/Kg	0.467	0.154	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Caprolactam*	U	mg/Kg	5.84	2.92	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Carbazole	0.085i	mg/Kg	0.234	0.075	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Chrysene	0.222i	mg/Kg	0.234	0.033	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Di-n-butyl phthalate	U	mg/Kg	1.17	0.584	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Di-n-octyl phthalate	U	mg/Kg	0.234	0.084	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Dibenzo(a,h)anthracene	U	mg/Kg	0.234	0.047	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Dibenzofuran	U	mg/Kg	0.234	0.068	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Diethyl phthalate	U	mg/Kg	0.234	0.107	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Dimethyl phthalate	U	mg/Kg	0.234	0.058	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
2,4-Dimethylphenol	U	mg/Kg	0.234	0.110	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Fluoranthene	0.507	mg/Kg	0.234	0.061	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Fluorene	U	mg/Kg	0.234	0.047	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Hexachlorobenzene	U	mg/Kg	0.234	0.065	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Hexachlorobutadiene	U	mg/Kg	0.234	0.112	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Hexachlorocyclopentadiene	U	mg/Kg	0.234	0.126	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Hexachloroethane	U	mg/Kg	0.234	0.096	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Indeno(1,2,3-cd)pyrene	0.276	mg/Kg	0.234	0.028	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Isophorone	U	mg/Kg	0.234	0.079	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
N-Nitrosodi-n-propylamine	U	mg/Kg	0.234	0.072	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
N-Nitrosodiethylamine	U	mg/Kg	0.234	0.097	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
N-Nitrosodimethylamine	U	mg/Kg	0.234	0.077	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
N-Nitrosodiphenylamine	U	mg/Kg	0.234	0.063	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Naphthalene	U	mg/Kg	0.234	0.082	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
4-Nitroaniline	U	mg/Kg	0.234	0.079	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Nitrobenzene	U	mg/Kg	0.234	0.093	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
4-Nitrophenol	U	mg/Kg	0.234	0.084	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Pentachlorobenzene	U	mg/Kg	0.234	0.068	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Pentachlorophenol	U	mg/Kg	0.234	0.124	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Phenanthrene	0.187i	mg/Kg	0.234	0.063	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Phenol	U	mg/Kg	0.234	0.086	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Pyrene	0.392	mg/Kg	0.234	0.054	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Pyridine	U	mg/Kg	0.467	0.189	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID: **1856885003** Date Received: 5/22/2018 18:00 Matrix: Soil/Solid

Sample ID: **LS-1** Date Collected: 5/21/2018 14:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
bis[2-Chloroethoxy]methane	U	mg/Kg	0.234	0.086	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
bis[2-Chloroethyl]ether	U	mg/Kg	0.234	0.096	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
bis[2-Chloroisopropyl]ether	U	mg/Kg	0.234	0.086	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
bis[2-Ethylhexyl]phthalate	U	mg/Kg	2.34	1.17	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
o-Toluidine	U	mg/Kg	0.234	0.091	1	5/25/2018 10:15	DB	5/25/2018 22:25	VS	
Wet Chemistry										
Analysis Desc: 2540G Percent Solids (Dryweight)					Analytical Method: SM 2540G					
Percent Solids (Dryweight)	79.8	%	0.1		1			5/29/2018 14:36	DB	
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
o-Terphenyl (S)	109	%	50-150		2	5/25/2018 10:01	DB	5/29/2018 17:20	VS	
n-Triacontane-d62 (S)	118	%	50-150		2	5/25/2018 10:01	DB	5/29/2018 17:20	VS	
Semivolatiles by GC										
Analysis Desc: Florida PRO by GC (S)					Preparation Method: EPA 3545 Analytical Method: FL-PRO (GC)					
Florida Pro Total	142	mg/Kg	46.7	23.4	2	5/25/2018 10:01	DB	5/29/2018 17:20	VS	J4h
Analysis Desc: EPA 6020 RCRA-8 Metals by ICP/MS (S)					Preparation Method: EPA 3050B Analytical Method: EPA 6020					
Chromium	2.9	mg/Kg	1.4	0.27	2	5/23/2018 16:54	ZS	5/24/2018 12:07	ZS	
Arsenic	0.44i	mg/Kg	0.63	0.10	2	5/23/2018 16:54	ZS	5/24/2018 12:07	ZS	
Selenium	U	mg/Kg	1.3	0.59	2	5/23/2018 16:54	ZS	5/24/2018 12:07	ZS	
Silver	U	mg/Kg	0.63	0.088	2	5/23/2018 16:54	ZS	5/24/2018 12:07	ZS	
Cadmium	U	mg/Kg	0.63	0.12	2	5/23/2018 16:54	ZS	5/24/2018 12:07	ZS	
Barium	7.5	mg/Kg	1.4	0.28	2	5/23/2018 16:54	ZS	5/24/2018 12:07	ZS	
Mercury	U	mg/Kg	0.76	0.15	2	5/23/2018 16:54	ZS	5/24/2018 12:07	ZS	
Lead	8.9	mg/Kg	0.63	0.098	2	5/23/2018 16:54	ZS	5/24/2018 12:07	ZS	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

ANALYTICAL RESULTS QUALIFIERS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

PARAMETER QUALIFIERS

J3	The reported value failed to meet the established quality control for either precision or accuracy.
J4h	MS/MSD recovery exceeded control limits due to high background sample concentration. LCS/LCSD recovery was within acceptable range.

PROJECT COMMENTS

1856885	A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "i" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

QC Batch: MXX/9699 Analysis Method: EPA 6020

QC Batch Method: EPA 3050B

Associated Lab Samples: 1856883001 1856883002 1856883003 1856883004 1856883005 1856883006 1856883007 1856883008 1856883009 1856883010 1856883012 1856883013 1856883014 1856883015 1856883016 1856883017 1856883018 1856883019 1856883020 1856885003

METHOD BLANK: 142612

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chromium	mg/Kg	U	0.11	
Arsenic	mg/Kg	U	0.041	
Selenium	mg/Kg	U	0.23	
Silver	mg/Kg	0.060i	0.035	
Cadmium	mg/Kg	U	0.046	
Barium	mg/Kg	U	0.11	
Mercury	mg/Kg	U	0.061	
Lead	mg/Kg	U	0.039	

LABORATORY CONTROL SAMPLE & LCSD: 142613 142614

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chromium	mg/Kg	10	10	11	99.9	107	80-120	9.52	20	
Arsenic	mg/Kg	10	10	11	102	110	80-120	9.52	20	
Selenium	mg/Kg	10	9.9	10	98.9	105	80-120	1.01	20	
Silver	mg/Kg	10	9.3	10	92.5	100	80-120	7.25	20	
Cadmium	mg/Kg	10	10	10	102	102	80-120	0	20	
Barium	mg/Kg	10	10	10	101	101	80-120	0	20	
Mercury	mg/Kg	1.3	1.2	1.3	98.9	101	80-120	8	20	
Lead	mg/Kg	10	10	10	101	102	80-120	0	20	

MATRIX SPIKE SAMPLE: 142616 Original: 1856883020

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	mg/Kg	9.6	20	30	100	75-125	
Arsenic	mg/Kg	3	20	23	102	75-125	
Selenium	mg/Kg	0.025	20	18	89.4	75-125	
Silver	mg/Kg	0.011	20	20	101	75-125	
Cadmium	mg/Kg	0	20	19	94	75-125	
Barium	mg/Kg	3.7	20	24	103	75-125	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

MATRIX SPIKE SAMPLE: 142616 Original: 1856883020

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/Kg	0.023	2.5	2.3	89.1	75-125	
Lead	mg/Kg	1.4	20	20	95.1	75-125	

SAMPLE DUPLICATE: 142615 Original: 1856883020

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Chromium	mg/Kg	9.6	11	2.06	20	
Arsenic	mg/Kg	3	3.4	0	20	
Selenium	mg/Kg	0.025	U	139	20	P1
Silver	mg/Kg	0.011	U	161	20	P1
Cadmium	mg/Kg	0	U	0	20	
Barium	mg/Kg	3.7	4.2	0	20	
Mercury	mg/Kg	0.023	U	9.09	20	
Lead	mg/Kg	1.4	1.6	0	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

QC Batch: MXX/9704 Analysis Method: EPA 200.8 (Total)

QC Batch Method: EPA 200.2 mod.

Associated Lab Samples: 1856885001 1856885002 1856897001 1856899004 1856910001 1856910002 1856910003 1856910004 1856910005 1856910006

METHOD BLANK: 142634

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chromium	ug/L	U	0.067	
Arsenic	ug/L	U	0.16	
Selenium	ug/L	U	0.52	
Silver	ug/L	U	0.070	
Cadmium	ug/L	U	0.071	
Barium	ug/L	U	0.076	
Mercury	ug/L	U	0.18	
Lead	ug/L	U	0.029	

LABORATORY CONTROL SAMPLE & LCSD: 142635 142636

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chromium	ug/L	50	50	50	99.1	100	85-115	0	20	
Arsenic	ug/L	50	49	48	98.2	96.7	85-115	2.06	20	
Selenium	ug/L	50	48	49	96.2	97.5	85-115	2.06	20	
Silver	ug/L	50	46	48	92.6	96.6	85-115	4.26	20	
Cadmium	ug/L	50	47	47	94.6	94.7	85-115	0	20	
Barium	ug/L	50	47	47	94.4	94.7	85-115	0	20	
Mercury	ug/L	5	4.4	4.3	88.2	85.4	85-115	2.3	20	
Lead	ug/L	50	49	49	98.2	98.4	85-115	0	20	

MATRIX SPIKE SAMPLE: 142638 Original: 1856910006

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	ug/L	2.2	50	52	99.9	70-130	
Arsenic	ug/L	5.2	50	56	101	70-130	
Selenium	ug/L	0	50	50	99.1	70-130	
Silver	ug/L	0	50	51	103	70-130	
Cadmium	ug/L	0	50	48	95.7	70-130	
Barium	ug/L	7.9	50	57	97.5	70-130	
Mercury	ug/L	0.048	20	15	77.2	70-130	
Lead	ug/L	5.9	50	54	95.3	70-130	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

SAMPLE DUPLICATE: 142637 Original: 1856910006

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Chromium	ug/L	2.2	2.2	0	20	
Arsenic	ug/L	5.2	4.9	5.94	20	
Selenium	ug/L	0	U	200	20	P1
Silver	ug/L	0	U	0	20	
Cadmium	ug/L	0	U	0	20	
Barium	ug/L	7.9	7.7	2.56	20	
Mercury	ug/L	0.048	U	143	20	P1
Lead	ug/L	5.9	6.1	3.33	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

QC Batch: XXX/11054 Analysis Method: FL-PRO (GC)

QC Batch Method: EPA 3510C

Associated Lab Samples: 1856885001 1856885002 1856897001 1856899004 1856910001 1856910002 1856910003 1856910004 1856910005 1856910006

METHOD BLANK: 142643

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
o-Terphenyl (S)	%	82	50-150	
n-Triacontane-d62 (S)	%	84	50-150	
Florida Pro Total	mg/L	U	0.080	

LABORATORY CONTROL SAMPLE & LCSD: 142644 142645

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
o-Terphenyl (S)	%				77	84	50-150	9	20	
n-Triacontane-d62 (S)	%				81	89	50-150	9	20	
Florida Pro Total	mg/L	0.68	0.625	0.585	92	86	55-118	7	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

QC Batch: XXX/11058 Analysis Method: FL-PRO (GC)

QC Batch Method: EPA 3545

Associated Lab Samples: 1856885003 1856911013

METHOD BLANK: 142705

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by GC				
o-Terphenyl (S)	%	73	50-150	
n-Triacontane-d62 (S)	%	84	50-150	
Florida Pro Total	mg/Kg	U	5.00	

LABORATORY CONTROL SAMPLE & LCSD: 142706 142707

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by GC										
o-Terphenyl (S)	%				66	71	50-150	7	20	
n-Triacontane-d62 (S)	%				79	80	50-150	2	20	
Florida Pro Total	mg/Kg	34	24.9	24.7	73	73	63-143	0.8	20	

MATRIX SPIKE SAMPLE: 142709 Original: 1856885003

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by GC							
o-Terphenyl (S)	%				70	50-150	
n-Triacontane-d62 (S)	%				75	50-150	
Florida Pro Total	mg/Kg	113	62.9	82.3	-49	51-215	J4h,J4

SAMPLE DUPLICATE: 142708 Original: 1856911013

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Semivolatiles by GC						
o-Terphenyl (S)	%	1.6		0.6	20	
n-Triacontane-d62 (S)	%	1.8		4	20	
Florida Pro Total	mg/Kg	26.1	22.1	34	20	P1

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

QC Batch: XXX/11060 Analysis Method: EPA 8270C

QC Batch Method: EPA 3545

Associated Lab Samples: 1856885003

METHOD BLANK: 142720

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by EPA 8270C				
2-Fluorophenol (S)	%	85	25-120	
Phenol-d5 (S)	%	88	20-110	
Nitrobenzene-d5 (S)	%	83	20-120	
2-Fluorobiphenyl (S)	%	82	30-115	
2,4,6-Tribromophenol (S)	%	94	20-120	
p-Terphenyl-d14 (S)	%	105	15-140	
Pyridine	mg/Kg	U	0.081	
N-Nitrosodimethylamine	mg/Kg	U	0.033	
N-Nitrosodiethylamine	mg/Kg	U	0.042	
Aniline	mg/Kg	U	0.039	
Phenol	mg/Kg	U	0.037	
2-Chlorophenol	mg/Kg	U	0.036	
bis[2-Chloroethyl]ether	mg/Kg	U	0.041	
1,3-Dichlorobenzene	mg/Kg	U	0.037	
1,4-Dichlorobenzene	mg/Kg	U	0.040	
Benzyl alcohol	mg/Kg	U	0.042	
1,2-Dichlorobenzene	mg/Kg	U	0.047	
2-Methylphenol	mg/Kg	U	0.031	
bis[2-Chloroisopropyl]ether	mg/Kg	U	0.037	
Hexachloroethane	mg/Kg	U	0.041	
o-Toluidine	mg/Kg	U	0.039	
N-Nitrosodi-n-propylamine	mg/Kg	U	0.031	
Nitrobenzene	mg/Kg	U	0.040	
Isophorone	mg/Kg	U	0.034	
2,4-Dimethylphenol	mg/Kg	U	0.047	
2-Nitrophenol	mg/Kg	U	0.052	
bis[2-Chloroethoxy]methane	mg/Kg	U	0.037	
2,4-Dichlorophenol	mg/Kg	U	0.037	
1,2,4-Trichlorobenzene	mg/Kg	U	0.046	
Hexachlorobutadiene	mg/Kg	U	0.048	
Naphthalene	mg/Kg	U	0.035	
2,6-Dichlorophenol	mg/Kg	U	0.042	
4-Chloroaniline	mg/Kg	U	0.044	
4-Chloro-3-methylphenol	mg/Kg	U	0.030	
2-Methylnaphthalene	mg/Kg	U	0.031	
1-Methylnaphthalene	mg/Kg	U	0.024	
Hexachlorocyclopentadiene	mg/Kg	U	0.054	
1,2,4,5-Tetrachlorobenzene	mg/Kg	U	0.040	
2,4,6-Trichlorophenol	mg/Kg	U	0.035	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

METHOD BLANK: 142720

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
2,4,5-Trichlorophenol	mg/Kg	U	0.036	
2-Chloronaphthalene	mg/Kg	U	0.045	
2-Nitroaniline	mg/Kg	U	0.030	
Dimethyl phthalate	mg/Kg	U	0.025	
Acenaphthylene	mg/Kg	U	0.032	
2,6-Dinitrotoluene	mg/Kg	U	0.039	
Acenaphthene	mg/Kg	U	0.029	
3-Nitroaniline	mg/Kg	U	0.032	
4-Nitrophenol	mg/Kg	U	0.036	
Dibenzofuran	mg/Kg	U	0.029	
Pentachlorobenzene	mg/Kg	U	0.029	
2,3,4,6-Tetrachlorophenol	mg/Kg	U	0.033	
2,4-Dinitrophenol	mg/Kg	U	0.100	
Diethyl phthalate	mg/Kg	U	0.046	
2,4-Dinitrotoluene	mg/Kg	U	0.029	
4-Chlorophenyl phenyl ether	mg/Kg	U	0.024	
Fluorene	mg/Kg	U	0.020	
N-Nitrosodiphenylamine	mg/Kg	U	0.027	
4-Nitroaniline	mg/Kg	U	0.034	
4,6-Dinitro-2-methylphenol	mg/Kg	U	0.088	
4-Bromophenyl phenyl ether	mg/Kg	U	0.037	
Hexachlorobenzene	mg/Kg	U	0.028	
Pentachlorophenol	mg/Kg	U	0.053	
Phenanthrene	mg/Kg	U	0.027	
Anthracene	mg/Kg	U	0.031	
Di-n-butyl phthalate	mg/Kg	U	0.250	
Fluoranthene	mg/Kg	U	0.026	
Benzidine	mg/Kg	U	0.044	
Pyrene	mg/Kg	U	0.023	
Butyl benzyl phthalate	mg/Kg	U	0.066	
bis[2-Ethylhexyl]phthalate	mg/Kg	U	0.500	
3,3'-Dichlorobenzidine	mg/Kg	U	0.028	
Benzo(a)anthracene	mg/Kg	U	0.031	
Chrysene	mg/Kg	U	0.014	
3&4-Methylphenol	mg/Kg	U	0.035	
Di-n-octyl phthalate	mg/Kg	U	0.036	
Benzo(b)fluoranthene	mg/Kg	U	0.024	
Benzo(k)fluoranthene	mg/Kg	U	0.042	
Benzo(a)pyrene	mg/Kg	U	0.024	
Dibenzo(a,h)anthracene	mg/Kg	U	0.020	
Indeno(1,2,3-cd)pyrene	mg/Kg	U	0.012	
Benzo(g,h,i)perylene	mg/Kg	U	0.033	
Carbazole	mg/Kg	U	0.032	
1,1'-Biphenyl	mg/Kg	U	0.100	
Atrazine	mg/Kg	U	0.100	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

METHOD BLANK: 142720

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzaldehyde*	mg/Kg	U	0.100	
Caprolactam*	mg/Kg	U	1.25	
Acetophenone	mg/Kg	U	0.100	

LABORATORY CONTROL SAMPLE & LCSD: 142721 142722

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C										
2-Fluorophenol (S)	%				94	91	25-120	3	20	
Phenol-d5 (S)	%				98	92	20-110	6	20	
Nitrobenzene-d5 (S)	%				84	87	20-120	4	20	
2-Fluorobiphenyl (S)	%				85	85	30-115	0.6	20	
2,4,6-Tribromophenol (S)	%				92	90	20-120	2	20	
p-Terphenyl-d14 (S)	%				106	107	15-140	1	20	
Pyridine	mg/Kg		U	U				0	20	
N-Nitrosodimethylamine	mg/Kg		U	U				0	20	
N-Nitrosodiethylamine	mg/Kg		U	U				0	20	
Aniline	mg/Kg		U	U				0	20	
Phenol	mg/Kg	2.51	2.22	2.01	88	80	20-130	10	20	
2-Chlorophenol	mg/Kg	2.5	2.39	2.25	95	90	30-120	6	20	
bis[2-Chloroethyl]ether	mg/Kg		U	U				0	20	
1,3-Dichlorobenzene	mg/Kg		U	U				0	20	
1,4-Dichlorobenzene	mg/Kg	1.26	1.14	1.10	90	87	35-120	4	20	
Benzyl alcohol	mg/Kg		U	U				0	20	
1,2-Dichlorobenzene	mg/Kg		U	U				0	20	
2-Methylphenol	mg/Kg		U	U				0	20	
bis[2-Chloroisopropyl]ether	mg/Kg		U	U				0	20	
Hexachloroethane	mg/Kg		U	U				0	20	
o-Toluidine	mg/Kg		U	U				0	20	
N-Nitrosodi-n-propylamine	mg/Kg	1.25	0.977	0.875	78	70	30-140	11	20	
Nitrobenzene	mg/Kg		U	U				0	20	
Isophorone	mg/Kg		U	U				0	20	
2,4-Dimethylphenol	mg/Kg		U	U				0	20	
2-Nitrophenol	mg/Kg		U	U				0	20	
bis[2-Chloroethoxy]methane	mg/Kg		U	U				0	20	
2,4-Dichlorophenol	mg/Kg		U	U				0	20	
1,2,4-Trichlorobenzene	mg/Kg	1.25	1.11	1.14	88	91	21-147	3	20	
Hexachlorobutadiene	mg/Kg		U	U				0	20	
Naphthalene	mg/Kg		U	U				0	20	
2,6-Dichlorophenol	mg/Kg		U	U				0	20	
4-Chloroaniline	mg/Kg		U	U				0	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 142721 142722

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
4-Chloro-3-methylphenol	mg/Kg	2.5	2.22	2.00	89	80	30-130	10	20	
2-Methylnaphthalene	mg/Kg		U	U				0	20	
1-Methylnaphthalene	mg/Kg		U	U				0	20	
Hexachlorocyclopentadiene	mg/Kg		U	U				0	20	
1,2,4,5-Tetrachlorobenzene	mg/Kg		U	U				0	20	
2,4,6-Trichlorophenol	mg/Kg		U	U				0	20	
2,4,5-Trichlorophenol	mg/Kg		U	U				0	20	
2-Chloronaphthalene	mg/Kg		U	U				0	20	
2-Nitroaniline	mg/Kg		U	U				0	20	
Dimethyl phthalate	mg/Kg		U	U				0	20	
Acenaphthylene	mg/Kg		U	U				0	20	
2,6-Dinitrotoluene	mg/Kg		U	U				0	20	
Acenaphthene	mg/Kg	1.25	1.01	0.992	81	79	35-120	2	20	
3-Nitroaniline	mg/Kg		U	U				0	20	
4-Nitrophenol	mg/Kg	2.48	1.61	1.52	65	61	20-130	6	20	
Dibenzofuran	mg/Kg		U	U				0	20	
Pentachlorobenzene	mg/Kg		U	U				0	20	
2,3,4,6-Tetrachlorophenol	mg/Kg		U	U				0	20	
2,4-Dinitrophenol	mg/Kg		U	U				0	20	
Diethyl phthalate	mg/Kg		U	U				0	20	
2,4-Dinitrotoluene	mg/Kg	1.26	0.901	0.905	72	72	30-140	0.4	20	
4-Chlorophenyl phenyl ether	mg/Kg		U	U				0	20	
Fluorene	mg/Kg		U	U				0	20	
N-Nitrosodiphenylamine	mg/Kg		U	U				0	20	
4-Nitroaniline	mg/Kg		U	U				0	20	
4,6-Dinitro-2-methylphenol	mg/Kg		U	U				0	20	
4-Bromophenyl phenyl ether	mg/Kg		U	U				0	20	
Hexachlorobenzene	mg/Kg		U	U				0	20	
Pentachlorophenol	mg/Kg	2.48	2.30	2.30	93	93	20-120	0	20	
Phenanthrene	mg/Kg		U	U				0	20	
Anthracene	mg/Kg		U	U				0	20	
Di-n-butyl phthalate	mg/Kg		U	U				0	20	
Fluoranthene	mg/Kg		U	U				0	20	
Benzidine	mg/Kg		U	U				0	20	
Pyrene	mg/Kg	1.25	1.21	1.18	97	94	40-140	3	20	
Butyl benzyl phthalate	mg/Kg		U	U				0	20	
bis[2-Ethylhexyl]phthalate	mg/Kg		U	U				0	20	
3,3'-Dichlorobenzidine	mg/Kg		U	U				0	20	
Benzo(a)anthracene	mg/Kg		U	U				0	20	
Chrysene	mg/Kg		U	U				0	20	
3&4-Methylphenol	mg/Kg		U	U				0	20	
Di-n-octyl phthalate	mg/Kg		U	U				0	20	
Benzo(b)fluoranthene	mg/Kg		U	U				0	20	
Benzo(k)fluoranthene	mg/Kg		U	U				0	20	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 142721 142722

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Benzo(a)pyrene	mg/Kg		U	U				0	20	
Dibenzo(a,h)anthracene	mg/Kg		U	U				0	20	
Indeno(1,2,3-cd)pyrene	mg/Kg		U	U				0	20	
Benzo(g,h,i)perylene	mg/Kg		U	U				0	20	
Carbazole	mg/Kg		U	U				0	20	
1,1'-Biphenyl	mg/Kg		U	U				0	20	
Atrazine	mg/Kg		U	U				0	20	
Benzaldehyde*	mg/Kg		U	U				0	20	
Caprolactam*	mg/Kg		U	U				0	20	
Acetophenone	mg/Kg		U	U				0	20	

MATRIX SPIKE SAMPLE: 142724 Original: 1856885003

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Semivolatiles by EPA 8270C							
2-Fluorophenol (S)	%				44	25-120	
Phenol-d5 (S)	%				53	20-110	
Nitrobenzene-d5 (S)	%				44	20-120	
2-Fluorobiphenyl (S)	%				49	30-115	
2,4,6-Tribromophenol (S)	%				73	20-120	
p-Terphenyl-d14 (S)	%				72	15-140	
Pyridine	mg/Kg						
N-Nitrosodimethylamine	mg/Kg						
N-Nitrosodiethylamine	mg/Kg						
Aniline	mg/Kg						
Phenol	mg/Kg	0	4.85	2.27	47	20-130	
2-Chlorophenol	mg/Kg	0	4.85	2.35	48	30-120	
bis[2-Chloroethyl]ether	mg/Kg						
1,3-Dichlorobenzene	mg/Kg						
1,4-Dichlorobenzene	mg/Kg	0	2.44	1.05	43	35-120	
Benzyl alcohol	mg/Kg						
1,2-Dichlorobenzene	mg/Kg						
2-Methylphenol	mg/Kg						
bis[2-Chloroisopropyl]ether	mg/Kg						
Hexachloroethane	mg/Kg						
o-Toluidine	mg/Kg						
N-Nitrosodi-n-propylamine	mg/Kg	0	2.42	0.903	37	30-140	
Nitrobenzene	mg/Kg						
Isophorone	mg/Kg						

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

MATRIX SPIKE SAMPLE: 142724 Original: 1856885003

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	mg/Kg						
2-Nitrophenol	mg/Kg						
bis[2-Chloroethoxy]methane	mg/Kg						
2,4-Dichlorophenol	mg/Kg						
1,2,4-Trichlorobenzene	mg/Kg	0	2.42	1.12	46	21-147	
Hexachlorobutadiene	mg/Kg						
Naphthalene	mg/Kg						
2,6-Dichlorophenol	mg/Kg						
4-Chloroaniline	mg/Kg						
4-Chloro-3-methylphenol	mg/Kg	0	4.85	2.97	61	30-130	
2-Methylnaphthalene	mg/Kg						
1-Methylnaphthalene	mg/Kg						
Hexachlorocyclopentadiene	mg/Kg						
1,2,4,5-Tetrachlorobenzene	mg/Kg						
2,4,6-Trichlorophenol	mg/Kg						
2,4,5-Trichlorophenol	mg/Kg						
2-Chloronaphthalene	mg/Kg						
2-Nitroaniline	mg/Kg						
Dimethyl phthalate	mg/Kg						
Acenaphthylene	mg/Kg						
2,6-Dinitrotoluene	mg/Kg						
Acenaphthene	mg/Kg	0	2.42	1.26	52	35-120	
3-Nitroaniline	mg/Kg						
4-Nitrophenol	mg/Kg	0	4.8	2.4	50	20-130	
Dibenzofuran	mg/Kg						
Pentachlorobenzene	mg/Kg						
2,3,4,6-Tetrachlorophenol	mg/Kg						
2,4-Dinitrophenol	mg/Kg						
Diethyl phthalate	mg/Kg						
2,4-Dinitrotoluene	mg/Kg	0	2.43	1.28	53	30-140	
4-Chlorophenyl phenyl ether	mg/Kg						
Fluorene	mg/Kg						
N-Nitrosodiphenylamine	mg/Kg						
4-Nitroaniline	mg/Kg						
4,6-Dinitro-2-methylphenol	mg/Kg						
4-Bromophenyl phenyl ether	mg/Kg						
Hexachlorobenzene	mg/Kg						
Pentachlorophenol	mg/Kg	0	4.8	3.68	77	20-120	
Phenanthrene	mg/Kg						
Anthracene	mg/Kg						
Di-n-butyl phthalate	mg/Kg						
Fluoranthene	mg/Kg						

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

MATRIX SPIKE SAMPLE: 142724 Original: 1856885003

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzidine	mg/Kg						
Pyrene	mg/Kg	0.313	2.42	2.43	87	40-140	
Butyl benzyl phthalate	mg/Kg						
bis[2-Ethylhexyl]phthalate	mg/Kg						
3,3'-Dichlorobenzidine	mg/Kg						
Benzo(a)anthracene	mg/Kg						
Chrysene	mg/Kg						
3&4-Methylphenol	mg/Kg						
Di-n-octyl phthalate	mg/Kg						
Benzo(b)fluoranthene	mg/Kg						
Benzo(k)fluoranthene	mg/Kg						
Benzo(a)pyrene	mg/Kg						
Dibenzo(a,h)anthracene	mg/Kg						
Indeno(1,2,3-cd)pyrene	mg/Kg						
Benzo(g,h,i)perylene	mg/Kg						
Carbazole	mg/Kg						
1,1'-Biphenyl	mg/Kg						
Atrazine	mg/Kg						
Benzaldehyde*	mg/Kg						
Caprolactam*	mg/Kg						
Acetophenone	mg/Kg						

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

QC Batch: XXX/11061 Analysis Method: EPA 8270C

QC Batch Method: EPA 3510C

Associated Lab Samples: 1856885001 1856885002

METHOD BLANK: 142731

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Semivolatiles by EPA 8270C				
2-Fluorophenol (S)	%	46	20-110	
Phenol-d5 (S)	%	25	10-110	
Nitrobenzene-d5 (S)	%	69	30-110	
2-Fluorobiphenyl (S)	%	76	40-110	
2,4,6-Tribromophenol (S)	%	80	10-120	
p-Terphenyl-d14 (S)	%	100	30-140	
Pyridine	ug/L	U	2.61	
N-Nitrosodimethylamine	ug/L	U	0.750	
N-Nitrosodiethylamine	ug/L	U	0.743	
Aniline	ug/L	U	1.52	
Phenol	ug/L	U	0.170	
2-Chlorophenol	ug/L	U	0.450	
bis[2-Chloroethyl]ether	ug/L	U	0.610	
1,3-Dichlorobenzene	ug/L	U	0.890	
1,4-Dichlorobenzene	ug/L	U	0.950	
Benzyl alcohol	ug/L	U	0.310	
1,2-Dichlorobenzene	ug/L	U	0.650	
2-Methylphenol	ug/L	U	0.360	
bis[2-Chloroisopropyl]ether	ug/L	U	0.770	
Hexachloroethane	ug/L	U	1.00	
o-Toluidine	ug/L	U	1.43	
N-Nitrosodi-n-propylamine	ug/L	U	0.620	
Nitrobenzene	ug/L	U	0.560	
Isophorone	ug/L	U	0.480	
2,4-Dimethylphenol	ug/L	U	0.870	
2-Nitrophenol	ug/L	U	0.590	
bis[2-Chloroethoxy]methane	ug/L	U	0.420	
2,4-Dichlorophenol	ug/L	U	0.620	
1,2,4-Trichlorobenzene	ug/L	U	0.920	
Hexachlorobutadiene	ug/L	U	1.07	
Naphthalene	ug/L	U	0.800	
2,6-Dichlorophenol	ug/L	U	0.600	
4-Chloroaniline	ug/L	U	1.34	
4-Chloro-3-methylphenol	ug/L	U	0.600	
2-Methylnaphthalene	ug/L	U	0.470	
1-Methylnaphthalene	ug/L	U	0.540	
Hexachlorocyclopentadiene	ug/L	U	0.770	
1,2,4,5-Tetrachlorobenzene	ug/L	U	0.520	
2,4,6-Trichlorophenol	ug/L	U	0.470	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

METHOD BLANK: 142731

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
2,4,5-Trichlorophenol	ug/L	U	0.440	
2-Chloronaphthalene	ug/L	U	0.410	
2-Nitroaniline	ug/L	U	0.580	
Dimethyl phthalate	ug/L	U	0.490	
Acenaphthylene	ug/L	U	0.460	
2,6-Dinitrotoluene	ug/L	U	0.560	
Acenaphthene	ug/L	U	0.550	
3-Nitroaniline	ug/L	U	0.600	
4-Nitrophenol	ug/L	U	0.320	
Dibenzofuran	ug/L	U	0.570	
Pentachlorobenzene	ug/L	U	0.750	
2,3,4,6-Tetrachlorophenol	ug/L	U	0.470	
2,4-Dinitrophenol	ug/L	U	0.790	
Diethyl phthalate	ug/L	U	2.37	
2,4-Dinitrotoluene	ug/L	U	0.610	
4-Chlorophenyl phenyl ether	ug/L	U	0.600	
Fluorene	ug/L	U	0.650	
N-Nitrosodiphenylamine	ug/L	U	0.440	
4-Nitroaniline	ug/L	U	0.540	
4,6-Dinitro-2-methylphenol	ug/L	U	0.640	
4-Bromophenyl phenyl ether	ug/L	U	0.670	
Hexachlorobenzene	ug/L	U	0.590	
Pentachlorophenol	ug/L	U	0.750	
Phenanthrene	ug/L	U	0.550	
Anthracene	ug/L	U	0.620	
Di-n-butyl phthalate	ug/L	U	0.670	
Fluoranthene	ug/L	U	0.600	
Benzidine	ug/L	U	5.92	
Pyrene	ug/L	U	0.630	
Butyl benzyl phthalate	ug/L	U	0.600	
bis[2-Ethylhexyl]phthalate	ug/L	U	2.00	
3,3'-Dichlorobenzidine	ug/L	U	0.760	
Benzo(a)anthracene	ug/L	U	0.800	
Chrysene	ug/L	U	0.500	
3&4-Methylphenol	ug/L	U	0.440	
Di-n-octyl phthalate	ug/L	U	0.500	
Benzo(b)fluoranthene	ug/L	U	0.690	
Benzo(k)fluoranthene	ug/L	U	0.800	
Benzo(a)pyrene	ug/L	U	0.610	
Dibenzo(a,h)anthracene	ug/L	U	0.660	
Indeno(1,2,3-cd)pyrene	ug/L	U	0.730	
Benzo(g,h,i)perylene	ug/L	U	0.620	
Carbazole	ug/L	U	0.630	
1,1'-Biphenyl	ug/L	U	4.00	
Acetophenone	ug/L	U	3.00	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

METHOD BLANK: 142731

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Caprolactam*	ug/L	U	25.0	
Atrazine	ug/L	U	2.00	
Benzaldehyde*	ug/L	U	4.00	

LABORATORY CONTROL SAMPLE & LCSD: 142732 142733

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Semivolatiles by EPA 8270C										
2-Fluorophenol (S)	%				43	40	20-110	6	40	
Phenol-d5 (S)	%				29	28	10-110	9	40	
Nitrobenzene-d5 (S)	%				64	70	30-110	7	40	
2-Fluorobiphenyl (S)	%				68	77	40-110	11	40	
2,4,6-Tribromophenol (S)	%				85	83	10-120	0	40	
p-Terphenyl-d14 (S)	%				95	100	30-140	5	40	
Pyridine	ug/L		U	U				0	40	
N-Nitrosodimethylamine	ug/L		U	U				0	40	
N-Nitrosodiethylamine	ug/L		U	U				0	40	
Aniline	ug/L		U	U				0	40	
Phenol	ug/L	50.2	13.1	12.8	26	26	20-100	2	40	
2-Chlorophenol	ug/L	50.1	32.0	30.8	64	61	30-120	4	40	
bis[2-Chloroethyl]ether	ug/L		U	U				0	40	
1,3-Dichlorobenzene	ug/L		U	U				0	40	
1,4-Dichlorobenzene	ug/L	25.2	12.2	13.5	48	54	20-100	10	40	
Benzyl alcohol	ug/L		U	U				0	40	
1,2-Dichlorobenzene	ug/L		U	U				0	40	
2-Methylphenol	ug/L		U	U				0	40	
bis[2-Chloroisopropyl]ether	ug/L		U	U				0	40	
Hexachloroethane	ug/L		U	U				0	40	
o-Toluidine	ug/L		U	U				0	40	
N-Nitrosodi-n-propylamine	ug/L	25.1	13.7	15.3	55	61	30-140	11	40	
Nitrobenzene	ug/L		U	U				0	40	
Isophorone	ug/L		U	U				0	40	
2,4-Dimethylphenol	ug/L		U	U				0	40	
2-Nitrophenol	ug/L		U	U				0	40	
bis[2-Chloroethoxy]methane	ug/L		U	U				0	40	
2,4-Dichlorophenol	ug/L		U	U				0	40	
1,2,4-Trichlorobenzene	ug/L	25	12.7	13.9	51	56	35-135	9	40	
Hexachlorobutadiene	ug/L		U	U				0	40	
Naphthalene	ug/L		U	U				0	40	
2,6-Dichlorophenol	ug/L		U	U				0	40	
4-Chloroaniline	ug/L		U	U				0	40	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 142732 142733

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
4-Chloro-3-methylphenol	ug/L	50.1	38.4	33.6	77	67	30-130	13	40	
2-Methylnaphthalene	ug/L		U	U				0	40	
1-Methylnaphthalene	ug/L		U	U				0	40	
Hexachlorocyclopentadiene	ug/L		U	U				0	40	
1,2,4,5-Tetrachlorobenzene	ug/L		U	U				0	40	
2,4,6-Trichlorophenol	ug/L		U	U				0	40	
2,4,5-Trichlorophenol	ug/L		U	U				0	40	
2-Chloronaphthalene	ug/L		U	U				0	40	
2-Nitroaniline	ug/L		U	U				0	40	
Dimethyl phthalate	ug/L		U	U				0	40	
Acenaphthylene	ug/L		U	U				0	40	
2,6-Dinitrotoluene	ug/L		U	U				0	40	
Acenaphthene	ug/L	25	16.2	17.4	65	70	30-120	7	40	
3-Nitroaniline	ug/L		U	U				0	40	
4-Nitrophenol	ug/L	49.6	12.4	10.1	25	20	20-100	20	40	
Dibenzofuran	ug/L		U	U				0	40	
Pentachlorobenzene	ug/L		U	U				0	40	
2,3,4,6-Tetrachlorophenol	ug/L		U	U				0	40	
2,4-Dinitrophenol	ug/L		U	U				0	40	
Diethyl phthalate	ug/L		U	U				0	40	
2,4-Dinitrotoluene	ug/L	25.2	16.1	15.3	64	61	30-140	5	40	
4-Chlorophenyl phenyl ether	ug/L		U	U				0	40	
Fluorene	ug/L		U	U				0	40	
N-Nitrosodiphenylamine	ug/L		U	U				0	40	
4-Nitroaniline	ug/L		U	U				0	40	
4,6-Dinitro-2-methylphenol	ug/L		U	U				0	40	
4-Bromophenyl phenyl ether	ug/L		U	U				0	40	
Hexachlorobenzene	ug/L		U	U				0	40	
Pentachlorophenol	ug/L	49.6	40.5	39.0	82	79	20-120	4	40	
Phenanthrene	ug/L		U	U				0	40	
Anthracene	ug/L		U	U				0	40	
Di-n-butyl phthalate	ug/L		U	U				0	40	
Fluoranthene	ug/L		U	U				0	40	
Benzidine	ug/L		U	U				0	40	
Pyrene	ug/L	25	21.0	22.7	84	91	40-140	8	40	
Butyl benzyl phthalate	ug/L		U	U				0	40	
bis[2-Ethylhexyl]phthalate	ug/L		U	U				0	40	
3,3'-Dichlorobenzidine	ug/L		U	U				0	40	
Benzo(a)anthracene	ug/L		U	U				0	40	
Chrysene	ug/L		U	U				0	40	
3&4-Methylphenol	ug/L		U	U				0	40	
Di-n-octyl phthalate	ug/L		U	U				0	40	
Benzo(b)fluoranthene	ug/L		U	U				0	40	
Benzo(k)fluoranthene	ug/L		U	U				0	40	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 142732 142733

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Benzo(a)pyrene	ug/L		U	U				0	40	
Dibenzo(a,h)anthracene	ug/L		U	U				0	40	
Indeno(1,2,3-cd)pyrene	ug/L		U	U				0	40	
Benzo(g,h,i)perylene	ug/L		U	U				0	40	
Carbazole	ug/L		U	U				0		
1,1'-Biphenyl	ug/L		U	U				0	40	
Acetophenone	ug/L		U	U				0	40	
Caprolactam*	ug/L		U	U				0	40	
Atrazine	ug/L		U	U				0	40	
Benzaldehyde*	ug/L		U	U				0	40	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

QC Batch: VXX/8082 Analysis Method: EPA 8260C

QC Batch Method: EPA 5030B

Associated Lab Samples: 1856869001 1856869002 1856869003 1856869004 1856869005 1856869006 1856869007 1856885001 1856885002

METHOD BLANK: 142814

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Volatiles by GC/MS				
Dibromofluoromethane (S)	%	96	70-130	
Toluene d8 (S)	%	96	70-130	
4-Bromofluorobenzene (S)	%	98	70-130	
Dichlorodifluoromethane	ug/L	U	0.400	
Chloromethane	ug/L	U	2.50	
Vinyl chloride	ug/L	U	0.400	
Bromomethane	ug/L	U	4.00	
Chloroethane	ug/L	U	0.400	
Trichlorofluoromethane	ug/L	U	0.400	
Acrolein	ug/L	U	8.70	
Acetone	ug/L	U	0.510	
1,1-Dichloroethene	ug/L	U	0.400	
Iodomethane	ug/L	U	0.460	
Acrylonitrile	ug/L	U	4.20	
Methylene chloride	ug/L	U	2.00	
Carbon disulfide	ug/L	U	0.400	
trans-1,2-Dichloroethene	ug/L	U	0.400	
tert-Butyl methyl ether (MTBE)	ug/L	U	0.400	
1,1-Dichloroethane	ug/L	U	0.400	
Vinyl acetate	ug/L	U	0.400	
Methyl ethyl ketone (MEK)	ug/L	U	0.640	
cis-1,2-Dichloroethene	ug/L	U	0.400	
Bromochloromethane	ug/L	U	0.400	
Chloroform	ug/L	U	0.400	
2,2-Dichloropropane	ug/L	U	0.400	
1,2-Dichloroethane	ug/L	U	0.400	
1,1,1-Trichloroethane	ug/L	U	0.400	
1,1-Dichloropropene	ug/L	U	0.400	
Carbon tetrachloride	ug/L	U	0.400	
Benzene	ug/L	U	0.400	
Dibromomethane	ug/L	U	0.400	
1,2-Dichloropropane	ug/L	U	0.400	
Trichloroethene	ug/L	U	0.400	
Bromodichloromethane	ug/L	U	0.400	
cis-1,3-Dichloropropene	ug/L	U	0.400	
4-methyl-2-pentanone	ug/L	U	0.400	
trans-1,3-Dichloropropene	ug/L	U	0.400	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

METHOD BLANK: 142814

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,2-Trichloroethane	ug/L	U	0.400	
Toluene	ug/L	U	0.400	
1,3-Dichloropropane	ug/L	U	0.400	
Ethyl methacrylate	ug/L	U	0.400	
Dibromochloromethane	ug/L	U	0.400	
2-Hexanone	ug/L	U	0.400	
1,2-Dibromoethane (EDB)	ug/L	U	0.400	
Tetrachloroethene	ug/L	U	0.400	
1,1,1,2-Tetrachloroethane	ug/L	U	0.400	
Chlorobenzene	ug/L	U	0.400	
Ethylbenzene	ug/L	U	0.400	
m & p-xylene	ug/L	U	0.400	
Bromoform	ug/L	U	0.550	
t-1,4-Dichloro-2-butene	ug/L	U	0.410	
Styrene	ug/L	U	0.400	
1,1,2,2-Tetrachloroethane	ug/L	U	0.200	
o-Xylene	ug/L	U	0.400	
1,2,3-Trichloropropane	ug/L	U	0.400	
cis-1,4-Dichloro-2-butene	ug/L	U	0.440	
Isopropylbenzene (Cumene)	ug/L	U	0.400	
Bromobenzene	ug/L	U	0.400	
n-propylbenzene	ug/L	U	0.400	
2-Chlorotoluene	ug/L	U	0.400	
1,3,5-Trimethylbenzene	ug/L	U	0.400	
4-Chlorotoluene	ug/L	U	0.400	
tert-Butylbenzene	ug/L	U	0.400	
1,2,4-Trimethylbenzene	ug/L	U	0.400	
sec-Butylbenzene	ug/L	U	0.400	
1,3-Dichlorobenzene	ug/L	U	0.400	
1,4-Dichlorobenzene	ug/L	U	0.400	
4-Isopropyltoluene	ug/L	U	0.400	
1,2-Dichlorobenzene	ug/L	U	0.400	
n-Butylbenzene	ug/L	U	0.400	
1,2-DBCP	ug/L	U	0.550	
1,2,4-Trichlorobenzene	ug/L	U	0.400	
Naphthalene	ug/L	U	1.00	
Hexachlorobutadiene	ug/L	U	0.400	
1,2,3-Trichlorobenzene	ug/L	U	0.400	
Xylenes- Total	ug/L	U	0.800	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 142815 142816

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				96	97	70-130	1	25	
Toluene d8 (S)	%				98	102	70-130	5	25	
4-Bromofluorobenzene (S)	%				103	101	70-130	1	25	
Dichlorodifluoromethane	ug/L	50.1	47.4	40.4	95	81	70-130	16	25	
Chloromethane	ug/L	50.8	35.5	36.0	70	71	60-130	1	25	
Vinyl chloride	ug/L	50.3	35.5	36.5	71	73	70-130	3	25	
Bromomethane	ug/L	50	38.9	37.7	78	75	60-130	3	25	
Chloroethane	ug/L	50.1	43.5	38.5	87	77	70-130	12	25	
Trichlorofluoromethane	ug/L	49.7	44.0	38.4	88	77	70-130	14	25	
Acrolein	ug/L		U	U				0	25	
Acetone	ug/L	50	59.5	51.1	119	102	60-130	15	25	
1,1-Dichloroethene	ug/L	49.7	43.6	39.1	88	79	70-130	11	25	
Iodomethane	ug/L	50.1	40.6	40.6	81	81	70-130	0	25	
Acrylonitrile	ug/L		U	U				0	25	
Methylene chloride	ug/L	50	42.7	40.2	85	80	60-130	6	25	
Carbon disulfide	ug/L	50	48.6	42.6	97	85	60-130	13	25	
trans-1,2-Dichloroethene	ug/L	50.2	45.1	40.0	90	80	70-130	12	25	
tert-Butyl methyl ether (MTBE)	ug/L	49.9	47.8	44.3	96	89	70-130	8	25	
1,1-Dichloroethane	ug/L	49.5	44.8	42.2	90	85	70-130	6	25	
Vinyl acetate	ug/L	50	57.2	52.7	114	105	60-130	8	25	
Methyl ethyl ketone (MEK)	ug/L	50	57.3	54.2	114	108	70-130	6	25	
cis-1,2-Dichloroethene	ug/L	49.6	47.4	47.6	96	96	70-130	0.4	25	
Bromochloromethane	ug/L	49.6	48.3	49.1	97	99	70-130	2	25	
Chloroform	ug/L	49.7	45.5	44.5	92	90	70-130	2	25	
2,2-Dichloropropane	ug/L	50	49.7	48.9	99	98	50-130	2	25	
1,2-Dichloroethane	ug/L	50	43.5	44.7	87	89	70-130	3	25	
1,1,1-Trichloroethane	ug/L	50	47.6	45.8	95	92	70-130	4	25	
1,1-Dichloropropene	ug/L	49.9	46.7	44.2	94	89	70-130	6	25	
Carbon tetrachloride	ug/L	50	43.6	40.4	87	81	60-130	8	25	
Benzene	ug/L	49.6	47.6	46.9	96	95	70-130	1	25	
Dibromomethane	ug/L	49.6	47.2	46.5	95	94	70-130	1	25	
1,2-Dichloropropane	ug/L	50	47.4	47.5	95	95	70-130	0.2	25	
Trichloroethene	ug/L	50	48.1	47.1	96	94	70-130	2	25	
Bromodichloromethane	ug/L	49.5	49.8	48.4	100	98	70-130	3	25	
cis-1,3-Dichloropropene	ug/L	50.9	47.8	48.5	94	95	60-130	1	25	
4-methyl-2-pentanone	ug/L	50	52.2	50.7	104	101	60-130	3	25	
trans-1,3-Dichloropropene	ug/L	48.4	45.9	46.5	95	96	60-130	1	25	
1,1,2-Trichloroethane	ug/L	49.4	47.8	49.9	97	101	70-130	4	25	
Toluene	ug/L	50	47.6	44.4	95	89	70-130	7	25	
1,3-Dichloropropane	ug/L	50	48.7	47.0	97	94	70-130	4	25	
Ethyl methacrylate	ug/L	50	54.1	50.3	108	101	70-130	7	25	
Dibromochloromethane	ug/L	49.2	50.0	48.5	102	98	70-130	3	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 142815 142816

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
2-Hexanone	ug/L	49.6	68.2	60.9	138	123	70-130	11	25	J3a
1,2-Dibromoethane (EDB)	ug/L	50	52.5	50.7	105	101	70-130	3	25	
Tetrachloroethene	ug/L	49.9	49.6	47.3	99	95	70-130	5	25	
1,1,1,2-Tetrachloroethane	ug/L	49.5	51.6	50.6	104	102	70-130	2	25	
Chlorobenzene	ug/L	49.9	50.2	49.1	101	98	70-130	2	25	
Ethylbenzene	ug/L	49.4	50.1	47.3	102	96	70-130	6	25	
m & p-xylene	ug/L	100	105	102	105	102	70-130	3	25	
Bromoform	ug/L	49.7	45.1	43.6	91	88	70-130	3	25	
t-1,4-Dichloro-2-butene	ug/L	50	47.1	46.0	94	92	60-130	2	25	
Styrene	ug/L	49.9	53.9	53.1	108	106	70-130	1	25	
1,1,2,2-Tetrachloroethane	ug/L	50	54.0	51.6	108	103	70-130	5	25	
o-Xylene	ug/L	49.3	50.8	50.3	103	102	70-130	1	25	
1,2,3-Trichloropropane	ug/L	50	46.5	45.4	93	91	70-130	2	25	
cis-1,4-Dichloro-2-butene	ug/L	49.1	46.2	44.8	94	91	60-130	3	25	
Isopropylbenzene (Cumene)	ug/L	50	47.8	46.1	96	92	70-130	4	25	
Bromobenzene	ug/L	49.8	53.7	51.6	108	104	70-130	4	25	
n-propylbenzene	ug/L	50	54.0	50.8	108	102	70-130	6	25	
2-Chlorotoluene	ug/L	50	53.9	51.1	108	102	70-130	5	25	
1,3,5-Trimethylbenzene	ug/L	49.1	54.6	51.7	111	105	70-130	5	25	
4-Chlorotoluene	ug/L	49.1	58.6	56.6	119	115	70-130	3	25	
tert-Butylbenzene	ug/L	50.1	58.0	53.8	116	108	70-130	8	25	
1,2,4-Trimethylbenzene	ug/L	49.2	59.1	55.8	120	114	70-130	6	25	
sec-Butylbenzene	ug/L	50	54.0	49.2	108	98	70-130	9	25	
1,3-Dichlorobenzene	ug/L	50	55.5	50.4	111	101	70-130	10	25	
1,4-Dichlorobenzene	ug/L	50	53.4	51.1	107	102	70-130	4	25	
4-Isopropyltoluene	ug/L	49.9	56.2	52.4	113	105	70-130	7	25	
1,2-Dichlorobenzene	ug/L	49.5	55.9	54.1	113	109	70-130	3	25	
n-Butylbenzene	ug/L	49.6	58.4	54.4	118	110	70-130	7	25	
1,2-DBCP	ug/L	50	62.2	54.9	124	110	60-130	12	25	
1,2,4-Trichlorobenzene	ug/L	50.1	51.7	47.9	103	96	70-130	8	25	
Naphthalene	ug/L	49.3	59.2	53.2	120	108	70-130	11	25	
Hexachlorobutadiene	ug/L	49.3	48.0	44.5	97	90	70-130	8	25	
1,2,3-Trichlorobenzene	ug/L	50	50.8	47.5	101	95	70-130	7	25	
Xylenes- Total	ug/L	149	156	153	105	102	70-130	2	25	

LABORATORY CONTROL SAMPLE & LCSD: 142817 142818

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				94	94		0	25	
Toluene d8 (S)	%				99	99		0	25	
4-Bromofluorobenzene (S)	%				108	108		0	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 142817 142818

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Dichlorodifluoromethane	ug/L		U	U				0	25	
Chloromethane	ug/L		U	U				0	25	
Vinyl chloride	ug/L		U	U				0	25	
Bromomethane	ug/L		U	U				0	25	
Chloroethane	ug/L		U	U				0	25	
Trichlorofluoromethane	ug/L		U	U				0	25	
Acrolein	ug/L	250	114	113	45	45	60-130	0.9	25	J3
Acetone	ug/L		U	U				0	25	
1,1-Dichloroethene	ug/L		U	U				0	25	
Iodomethane	ug/L		U	U				0	25	
Acrylonitrile	ug/L	250	188	188	75	75	60-130	0	25	
Methylene chloride	ug/L		U	U				0	25	
Carbon disulfide	ug/L		U	U				0	25	
trans-1,2-Dichloroethene	ug/L		U	U				0	25	
tert-Butyl methyl ether (MTBE)	ug/L		U	U				0	25	
1,1-Dichloroethane	ug/L		U	U				0	25	
Vinyl acetate	ug/L		U	U				0	25	
Methyl ethyl ketone (MEK)	ug/L		U	U				0	25	
cis-1,2-Dichloroethene	ug/L		U	U				0	25	
Bromochloromethane	ug/L		U	U				0	25	
Chloroform	ug/L		U	U				0	25	
2,2-Dichloropropane	ug/L		U	U				0	25	
1,2-Dichloroethane	ug/L		U	U				0	25	
1,1,1-Trichloroethane	ug/L		U	U				0	25	
1,1-Dichloropropene	ug/L		U	U				0	25	
Carbon tetrachloride	ug/L		U	U				0	25	
Benzene	ug/L		U	U				0	25	
Dibromomethane	ug/L		U	U				0	25	
1,2-Dichloropropane	ug/L		U	U				0	25	
Trichloroethene	ug/L		U	U				0	25	
Bromodichloromethane	ug/L		U	U				0	25	
cis-1,3-Dichloropropene	ug/L		U	U				0	25	
4-methyl-2-pentanone	ug/L		U	U				0	25	
trans-1,3-Dichloropropene	ug/L		U	U				0	25	
1,1,2-Trichloroethane	ug/L		U	U				0	25	
Toluene	ug/L		U	U				0	25	
1,3-Dichloropropane	ug/L		U	U				0	25	
Ethyl methacrylate	ug/L		U	U				0	25	
Dibromochloromethane	ug/L		U	U				0	25	
2-Hexanone	ug/L		U	U				0	25	
1,2-Dibromoethane (EDB)	ug/L		U	U				0	25	
Tetrachloroethene	ug/L		U	U				0	25	
1,1,1,2-Tetrachloroethane	ug/L		U	U				0	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 142817 142818

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chlorobenzene	ug/L		U	U				0	25	
Ethylbenzene	ug/L		U	U				0	25	
m & p-xylene	ug/L		U	U				0	25	
Bromoform	ug/L		U	U				0	25	
t-1,4-Dichloro-2-butene	ug/L		U	U				0	25	
Styrene	ug/L		U	U				0	25	
1,1,2,2-Tetrachloroethane	ug/L		U	U				0	25	
o-Xylene	ug/L		U	U				0	25	
1,2,3-Trichloropropane	ug/L		U	U				0	25	
cis-1,4-Dichloro-2-butene	ug/L		U	U				0	25	
Isopropylbenzene (Cumene)	ug/L		U	U				0	25	
Bromobenzene	ug/L		U	U				0	25	
n-propylbenzene	ug/L		U	U				0	25	
2-Chlorotoluene	ug/L		U	U				0	25	
1,3,5-Trimethylbenzene	ug/L		U	U				0	25	
4-Chlorotoluene	ug/L		U	U				0	25	
tert-Butylbenzene	ug/L		U	U				0	25	
1,2,4-Trimethylbenzene	ug/L		U	U				0	25	
sec-Butylbenzene	ug/L		U	U				0	25	
1,3-Dichlorobenzene	ug/L		U	U				0	25	
1,4-Dichlorobenzene	ug/L		U	U				0	25	
4-Isopropyltoluene	ug/L		U	U				0	25	
1,2-Dichlorobenzene	ug/L		U	U				0	25	
n-Butylbenzene	ug/L		U	U				0	25	
1,2-DBCP	ug/L		U	U				0	25	
1,2,4-Trichlorobenzene	ug/L		U	U				0	25	
Naphthalene	ug/L		U	U				0	25	
Hexachlorobutadiene	ug/L		U	U				0	25	
1,2,3-Trichlorobenzene	ug/L		U	U				0	25	
Xylenes- Total	ug/L		U	U				0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142819 142820 Original: 1856869006

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS											
Dibromofluoromethane (S)	%					104	93	70-130	11	25	
Toluene d8 (S)	%					109	100	70-130	9	25	
4-Bromofluorobenzene (S)	%					99	102	70-130	3	25	
Dichlorodifluoromethane	ug/L	0	50.1	45.8	48.2	91	96	70-135	5	25	
Chloromethane	ug/L	0	50.8	43.2	38	85	75	70-135	13	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142819 142820 Original: 1856869006

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Vinyl chloride	ug/L	0	50.3	49.7	46.3	99	92	70-135	7	25	
Bromomethane	ug/L	0	50	35.3	39.1	71	78	60-135	10	25	
Chloroethane	ug/L	0	50.1	44.1	43.4	88	87	70-135	2	25	
Trichlorofluoromethane	ug/L	0	49.7	42.1	41.5	85	83	70-135	1	25	
Acrolein	ug/L								0	25	
Acetone	ug/L								5	25	
1,1-Dichloroethene	ug/L	0	49.7	45	43.9	90	88	70-135	2	25	
Iodomethane	ug/L								25	25	
Acrylonitrile	ug/L								0	25	
Methylene chloride	ug/L	0	50	40.1	39	80	78	60-135	3	25	
Carbon disulfide	ug/L								10	25	
trans-1,2-Dichloroethene	ug/L	0	50.2	46	44.9	92	90	70-135	2	25	
tert-Butyl methyl ether (MTBE)	ug/L								2	25	
1,1-Dichloroethane	ug/L	0	49.5	45	42.8	91	86	70-135	5	25	
Vinyl acetate	ug/L								2	25	
Methyl ethyl ketone (MEK)	ug/L								12	25	
cis-1,2-Dichloroethene	ug/L	0	49.6	47.1	41.9	95	85	70-135	12	25	
Bromochloromethane	ug/L	0	49.6	52.2	47.6	105	96	70-135	9	25	
Chloroform	ug/L	10.1	49.7	57.2	52.5	95	85	70-135	9	25	
2,2-Dichloropropane	ug/L	0	50	44.9	41.4	90	83	60-135	8	25	
1,2-Dichloroethane	ug/L	0	50	44.9	41.1	90	82	70-135	9	25	
1,1,1-Trichloroethane	ug/L	0	50	46.4	42.7	93	85	70-135	8	25	
1,1-Dichloropropene	ug/L	0	49.9	41.2	38.3	83	77	70-135	7	25	
Carbon tetrachloride	ug/L	0	50	41.5	38	83	76	70-135	9	25	
Benzene	ug/L								9	25	
Dibromomethane	ug/L	0	49.6	49.6	44	100	89	70-135	12	25	
1,2-Dichloropropane	ug/L	0	50	48.5	43.9	97	88	70-135	10	25	
Trichloroethene	ug/L	0	50	48.8	43	98	86	70-135	13	25	
Bromodichloromethane	ug/L	0.52	49.5	50.4	45.4	101	91	70-135	10	25	
cis-1,3-Dichloropropene	ug/L	0	50.9	46.1	42.3	91	83	70-135	9	25	
4-methyl-2-pentanone	ug/L								19	25	
trans-1,3-Dichloropropene	ug/L	0	48.4	45	40.1	93	83	70-135	12	25	
1,1,2-Trichloroethane	ug/L	0	49.4	49.5	45.7	100	92	70-135	8	25	
Toluene	ug/L								0	25	
1,3-Dichloropropane	ug/L	0	50	44.1	44.8	88	90	70-135	2	25	
Ethyl methacrylate	ug/L								6	25	
Dibromochloromethane	ug/L	0	49.2	45.3	45.1	92	92	70-135	0.4	25	
2-Hexanone	ug/L								5	25	
1,2-Dibromoethane (EDB)	ug/L	0	50	46.1	47.7	92	95	70-135	3	25	
Tetrachloroethene	ug/L	0	49.9	46	44.5	92	89	70-135	3	25	
1,1,1,2-Tetrachloroethane	ug/L	0	49.5	46.9	46.8	95	95	70-135	0.2	25	
Chlorobenzene	ug/L	0	49.9	44.3	44.4	89	89	70-135	0.2	25	
Ethylbenzene	ug/L								1	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 142819 142820 Original: 1856869006

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
m & p-xylene	ug/L								0.8	25	
Bromoform	ug/L	0	49.7	40.6	42.7	82	86	70-135	5	25	
t-1,4-Dichloro-2-butene	ug/L								12	25	
Styrene	ug/L								1	25	
1,1,2,2-Tetrachloroethane	ug/L	0	50	49.1	48	98	96	70-135	2	25	
o-Xylene	ug/L								2	25	
1,2,3-Trichloropropane	ug/L								6	25	
cis-1,4-Dichloro-2-butene	ug/L								1	25	
Isopropylbenzene (Cumene)	ug/L								0.2	25	
Bromobenzene	ug/L								0.6	25	
n-propylbenzene	ug/L								3	25	
2-Chlorotoluene	ug/L								5	25	
1,3,5-Trimethylbenzene	ug/L								2	25	
4-Chlorotoluene	ug/L								2	25	
tert-Butylbenzene	ug/L								3	25	
1,2,4-Trimethylbenzene	ug/L								1	25	
sec-Butylbenzene	ug/L								3	25	
1,3-Dichlorobenzene	ug/L	0	50	48	48	96	96	70-135	0	25	
1,4-Dichlorobenzene	ug/L	0	50	47.4	47.9	95	96	70-135	1	25	
4-Isopropyltoluene	ug/L								0	25	
1,2-Dichlorobenzene	ug/L	0	49.5	48.4	49.3	98	100	70-135	2	25	
n-Butylbenzene	ug/L								0.2	25	
1,2-DBCP	ug/L	0	50	46	50.8	92	102	70-135	10	25	
1,2,4-Trichlorobenzene	ug/L								3	25	
Naphthalene	ug/L								2	25	
Hexachlorobutadiene	ug/L								4	25	
1,2,3-Trichlorobenzene	ug/L								1	25	
Xylenes- Total	ug/L								0	25	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

QC Batch: VXX/8091 Analysis Method: EPA 8260C

QC Batch Method: EPA 5035

Associated Lab Samples: 1856868020 1856885003

METHOD BLANK: 143095

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Volatiles by GC/MS				
Dibromofluoromethane (S)	%	104	60-135	
Toluene d8 (S)	%	92	60-135	
4-Bromofluorobenzene (S)	%	76	60-135	
Dichlorodifluoromethane	mg/Kg	U	0.00037	
Chloromethane	mg/Kg	U	0.00068	
Vinyl chloride	mg/Kg	U	0.00098	
Bromomethane	mg/Kg	U	0.0015	
Chloroethane	mg/Kg	U	0.00058	
Trichlorofluoromethane	mg/Kg	U	0.00075	
Acrolein	mg/Kg	U	0.0047	
Acetone	mg/Kg	U	0.0031	
1,1-Dichloroethene	mg/Kg	U	0.00090	
Iodomethane	mg/Kg	U	0.00043	
Acrylonitrile	mg/Kg	U	0.0075	
Methylene chloride	mg/Kg	U	0.0050	
Carbon disulfide	mg/Kg	U	0.00072	
trans-1,2-Dichloroethene	mg/Kg	U	0.00089	
tert-Butyl methyl ether (MTBE)	mg/Kg	U	0.0011	
1,1-Dichloroethane	mg/Kg	U	0.00078	
Vinyl acetate	mg/Kg	U	0.00082	
Methyl ethyl ketone (MEK)	mg/Kg	U	0.0015	
cis-1,2-Dichloroethene	mg/Kg	U	0.00044	
Bromochloromethane	mg/Kg	U	0.0011	
Chloroform	mg/Kg	U	0.0066	
2,2-Dichloropropane	mg/Kg	U	0.00053	
1,2-Dichloroethane	mg/Kg	U	0.00084	
1,1,1-Trichloroethane	mg/Kg	U	0.00055	
1,1-Dichloropropene	mg/Kg	U	0.00047	
Carbon tetrachloride	mg/Kg	U	0.00054	
Benzene	mg/Kg	U	0.00046	
Dibromomethane	mg/Kg	U	0.0011	
1,2-Dichloropropane	mg/Kg	U	0.00060	
Trichloroethene	mg/Kg	U	0.00078	
Bromodichloromethane	mg/Kg	U	0.00036	
cis-1,3-Dichloropropene	mg/Kg	U	0.00056	
4-methyl-2-pentanone	mg/Kg	U	0.00054	
trans-1,3-Dichloropropene	mg/Kg	U	0.00044	
1,1,2-Trichloroethane	mg/Kg	U	0.00051	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

METHOD BLANK: 143095

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Toluene	mg/Kg	U	0.00040	
1,3-Dichloropropane	mg/Kg	U	0.00045	
Ethyl methacrylate	mg/Kg	U	0.00036	
Dibromochloromethane	mg/Kg	U	0.00057	
2-Hexanone	mg/Kg	U	0.0012	
1,2-Dibromoethane (EDB)	mg/Kg	U	0.00048	
Tetrachloroethene	mg/Kg	U	0.00045	
1,1,1,2-Tetrachloroethane	mg/Kg	U	0.00060	
Chlorobenzene	mg/Kg	U	0.00043	
Ethylbenzene	mg/Kg	U	0.00033	
m & p-xylene	mg/Kg	U	0.00064	
Bromoform	mg/Kg	U	0.00075	
t-1,4-Dichloro-2-butene	mg/Kg	U	0.0071	
Styrene	mg/Kg	U	0.00031	
1,1,2,2-Tetrachloroethane	mg/Kg	U	0.00048	
o-Xylene	mg/Kg	U	0.00035	
1,2,3-Trichloropropane	mg/Kg	U	0.0012	
cis-1,4-Dichloro-2-butene	mg/Kg	U	0.00093	
Isopropylbenzene (Cumene)	mg/Kg	U	0.00033	
Bromobenzene	mg/Kg	U	0.00037	
n-propylbenzene	mg/Kg	U	0.00030	
2-Chlorotoluene	mg/Kg	U	0.00037	
1,3,5-Trimethylbenzene	mg/Kg	U	0.00021	
4-Chlorotoluene	mg/Kg	U	0.00032	
tert-Butylbenzene	mg/Kg	U	0.00029	
1,2,4-Trimethylbenzene	mg/Kg	U	0.00075	
sec-Butylbenzene	mg/Kg	U	0.00023	
1,3-Dichlorobenzene	mg/Kg	U	0.00031	
1,4-Dichlorobenzene	mg/Kg	U	0.00034	
4-Isopropyltoluene	mg/Kg	U	0.00024	
1,2-Dichlorobenzene	mg/Kg	U	0.00029	
n-Butylbenzene	mg/Kg	U	0.00026	
1,2-DBCP	mg/Kg	U	0.00021	
1,2,4-Trichlorobenzene	mg/Kg	U	0.00022	
Naphthalene	mg/Kg	U	0.0050	
Hexachlorobutadiene	mg/Kg	U	0.00022	
1,2,3-Trichlorobenzene	mg/Kg	U	0.00014	
Xylenes- Total	mg/Kg	U	0.00099	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 143096 143097

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				98	114	60-135	15	30	
Toluene d8 (S)	%				92	90	60-135	2	30	
4-Bromofluorobenzene (S)	%				86	89	60-135	3	30	
Dichlorodifluoromethane	mg/Kg	0.05	0.042	0.042	85	84	60-135	0	30	
Chloromethane	mg/Kg	0.051	0.034	0.035	66	70	60-135	3	30	
Vinyl chloride	mg/Kg	0.05	0.042	0.035	83	70	60-135	18	30	
Bromomethane	mg/Kg	0.05	0.042	0.043	84	86	50-135	2	30	
Chloroethane	mg/Kg	0.05	0.051	0.040	101	80	60-135	24	30	
Trichlorofluoromethane	mg/Kg	0.05	0.051	0.050	103	101	60-135	2	30	
Acrolein	mg/Kg		U	U				0	30	
Acetone	mg/Kg	0.05	0.033	0.033	67	66	60-135	0	30	
1,1-Dichloroethene	mg/Kg	0.05	0.040	0.047	80	94	60-135	16	30	
Iodomethane	mg/Kg	0.05	0.043	0.047	87	94	60-135	9	30	
Acrylonitrile	mg/Kg		U	U				0	30	
Methylene chloride	mg/Kg	0.05	0.037	0.045	73	90	50-135	20	30	
Carbon disulfide	mg/Kg	0.05	0.042	0.049	85	98	50-135	15	30	
trans-1,2-Dichloroethene	mg/Kg	0.05	0.040	0.045	81	90	60-135	12	30	
tert-Butyl methyl ether (MTBE)	mg/Kg	0.05	0.037	0.047	74	93	60-135	24	30	
1,1-Dichloroethane	mg/Kg	0.05	0.035	0.043	70	86	60-135	21	30	
Vinyl acetate	mg/Kg	0.05	0.036	0.043	72	87	50-135	18	30	
Methyl ethyl ketone (MEK)	mg/Kg	0.05	0.038	0.046	76	92	60-135	19	30	
cis-1,2-Dichloroethene	mg/Kg	0.05	0.043	0.051	88	103	60-135	17	30	
Bromochloromethane	mg/Kg	0.05	0.054	0.055	109	111	60-135	2	30	
Chloroform	mg/Kg	0.05	0.042	0.048	84	96	60-135	13	30	
2,2-Dichloropropane	mg/Kg	0.05	0.044	0.053	88	106	50-135	19	30	
1,2-Dichloroethane	mg/Kg	0.05	0.037	0.036	74	73	60-135	3	30	
1,1,1-Trichloroethane	mg/Kg	0.05	0.048	0.047	95	94	60-135	2	30	
1,1-Dichloropropene	mg/Kg	0.05	0.042	0.041	85	82	60-135	2	30	
Carbon tetrachloride	mg/Kg	0.05	0.053	0.054	105	108	60-135	2	30	
Benzene	mg/Kg	0.05	0.040	0.040	82	81	60-135	0	30	
Dibromomethane	mg/Kg	0.05	0.054	0.040	110	81	60-135	30	30	
1,2-Dichloropropane	mg/Kg	0.05	0.049	0.036	98	73	60-135	31	30	J3p
Trichloroethene	mg/Kg	0.05	0.062	0.051	124	101	60-135	19	30	
Bromodichloromethane	mg/Kg	0.05	0.054	0.044	109	88	60-135	20	30	
cis-1,3-Dichloropropene	mg/Kg	0.051	0.053	0.047	104	92	60-135	12	30	
4-methyl-2-pentanone	mg/Kg	0.05	0.035	0.033	71	66	60-135	6	30	
trans-1,3-Dichloropropene	mg/Kg	0.048	0.039	0.039	80	80	60-135	0	30	
1,1,2-Trichloroethane	mg/Kg	0.049	0.042	0.040	85	81	60-135	5	30	
Toluene	mg/Kg	0.05	0.055	0.053	109	105	60-135	4	30	
1,3-Dichloropropane	mg/Kg	0.05	0.052	0.051	104	101	60-135	2	30	
Ethyl methacrylate	mg/Kg	0.05	0.059	0.057	117	114	60-135	3	30	
Dibromochloromethane	mg/Kg	0.049	0.077	0.072	156	146	60-135	7	30	J3a

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 143096 143097

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
2-Hexanone	mg/Kg	0.05	0.048	0.050	98	100	60-135	4	30	
1,2-Dibromoethane (EDB)	mg/Kg	0.05	0.064	0.061	129	123	60-135	5	30	
Tetrachloroethene	mg/Kg	0.05	0.067	0.067	134	135	60-135	0	30	
1,1,1,2-Tetrachloroethane	mg/Kg	0.05	0.072	0.074	145	149	60-135	3	30	J3a
Chlorobenzene	mg/Kg	0.05	0.064	0.063	128	126	60-135	2	30	
Ethylbenzene	mg/Kg	0.049	0.063	0.061	127	123	60-135	3	30	
m & p-xylene	mg/Kg	0.1	0.135	0.132	135	132	60-135	2	30	
Bromoform	mg/Kg	0.05	0.062	0.063	124	126	60-135	2	30	
t-1,4-Dichloro-2-butene	mg/Kg	0.05	0.045	0.047	90	95	60-135	4	30	
Styrene	mg/Kg	0.05	0.064	0.064	129	129	60-135	0	30	
1,1,2,2-Tetrachloroethane	mg/Kg	0.05	0.055	0.053	110	107	60-135	4	30	
o-Xylene	mg/Kg	0.049	0.064	0.062	131	127	60-135	3	30	
1,2,3-Trichloropropane	mg/Kg	0.05	0.061	0.059	123	118	60-135	3	30	
cis-1,4-Dichloro-2-butene	mg/Kg	0.049	0.038	0.042	78	86	60-135	10	30	
Isopropylbenzene (Cumene)	mg/Kg	0.05	0.067	0.065	133	130	60-135	3	30	
Bromobenzene	mg/Kg	0.05	0.062	0.061	125	123	60-135	2	30	
n-propylbenzene	mg/Kg	0.05	0.055	0.056	111	113	60-135	2	30	
2-Chlorotoluene	mg/Kg	0.05	0.056	0.056	111	112	60-135	0	30	
1,3,5-Trimethylbenzene	mg/Kg	0.049	0.063	0.064	129	131	60-135	2	30	
4-Chlorotoluene	mg/Kg	0.049	0.058	0.058	118	118	60-135	0	30	
tert-Butylbenzene	mg/Kg	0.05	0.064	0.065	127	129	60-135	2	30	
1,2,4-Trimethylbenzene	mg/Kg	0.049	0.062	0.063	126	128	60-135	2	30	
sec-Butylbenzene	mg/Kg	0.05	0.063	0.064	126	128	60-135	2	30	
1,3-Dichlorobenzene	mg/Kg	0.05	0.067	0.066	133	131	60-135	2	30	
1,4-Dichlorobenzene	mg/Kg	0.05	0.065	0.066	129	131	60-135	2	30	
4-Isopropyltoluene	mg/Kg	0.05	0.059	0.060	119	121	60-135	2	30	
1,2-Dichlorobenzene	mg/Kg	0.049	0.063	0.065	127	132	60-135	3	30	
n-Butylbenzene	mg/Kg	0.05	0.063	0.065	128	130	60-135	3	30	
1,2-DBCP	mg/Kg	0.05	0.053	0.055	107	110	60-135	4	30	
1,2,4-Trichlorobenzene	mg/Kg	0.05	0.067	0.072	134	144	60-135	7	30	J3a
Naphthalene	mg/Kg	0.049	0.067	0.072	136	146	60-135	7	30	J3a
Hexachlorobutadiene	mg/Kg	0.049	0.085	0.089	172	181	60-135	5	30	J3a
1,2,3-Trichlorobenzene	mg/Kg	0.05	0.064	0.067	127	134	60-135	5	30	
Xylenes- Total	mg/Kg	0.149	0.199	0.195	133	130		2	30	

LABORATORY CONTROL SAMPLE & LCSD: 143098 143099

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Volatiles by GC/MS										
Dibromofluoromethane (S)	%				99	91	60-135	8	30	
Toluene d8 (S)	%				86	80	60-135	8	30	
4-Bromofluorobenzene (S)	%				86	84	60-135	3	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 143098 143099

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Dichlorodifluoromethane	mg/Kg		U	U				0	30	
Chloromethane	mg/Kg		U	U				0	30	
Vinyl chloride	mg/Kg		U	U				0	30	
Bromomethane	mg/Kg		U	U				0	30	
Chloroethane	mg/Kg		U	U				0	30	
Trichlorofluoromethane	mg/Kg		U	U				0	30	
Acrolein	mg/Kg	0.1	0.070	0.069	70	69	50-135	1	30	
Acetone	mg/Kg		U	U				0	30	
1,1-Dichloroethene	mg/Kg		U	U				0	30	
Iodomethane	mg/Kg		U	U				0	30	
Acrylonitrile	mg/Kg	0.1	0.109	0.143	109	143	50-135	27	30	J3a
Methylene chloride	mg/Kg		U	U				0	30	
Carbon disulfide	mg/Kg		U	U				0	30	
trans-1,2-Dichloroethene	mg/Kg		U	U				0	30	
tert-Butyl methyl ether (MTBE)	mg/Kg		U	U				0	30	
1,1-Dichloroethane	mg/Kg		U	U				0	30	
Vinyl acetate	mg/Kg		U	U				0	30	
Methyl ethyl ketone (MEK)	mg/Kg		U	U				0	30	
cis-1,2-Dichloroethene	mg/Kg		U	U				0	30	
Bromochloromethane	mg/Kg		U	U				0	30	
Chloroform	mg/Kg		U	U				0	30	
2,2-Dichloropropane	mg/Kg		U	U				0	30	
1,2-Dichloroethane	mg/Kg		U	U				0	30	
1,1,1-Trichloroethane	mg/Kg		U	U				0	30	
1,1-Dichloropropene	mg/Kg		U	U				0	30	
Carbon tetrachloride	mg/Kg		U	U				0	30	
Benzene	mg/Kg		U	U				0	30	
Dibromomethane	mg/Kg		U	U				0	30	
1,2-Dichloropropane	mg/Kg		U	U				0	30	
Trichloroethene	mg/Kg		U	U				0	30	
Bromodichloromethane	mg/Kg		U	U				0	30	
cis-1,3-Dichloropropene	mg/Kg		U	U				0	30	
4-methyl-2-pentanone	mg/Kg		U	U				0	30	
trans-1,3-Dichloropropene	mg/Kg		U	U				0	30	
1,1,2-Trichloroethane	mg/Kg		U	U				0	30	
Toluene	mg/Kg		U	U				0	30	
1,3-Dichloropropane	mg/Kg		U	U				0	30	
Ethyl methacrylate	mg/Kg		U	U				0	30	
Dibromochloromethane	mg/Kg		U	U				0	30	
2-Hexanone	mg/Kg		U	U				0	30	
1,2-Dibromoethane (EDB)	mg/Kg		U	U				0	30	
Tetrachloroethene	mg/Kg		U	U				0	30	
1,1,1,2-Tetrachloroethane	mg/Kg		U	U				0	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

LABORATORY CONTROL SAMPLE & LCSD: 143098 143099

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chlorobenzene	mg/Kg		U	U				0	30	
Ethylbenzene	mg/Kg		U	U				0	30	
m & p-xylene	mg/Kg		U	U				0	30	
Bromoform	mg/Kg		U	U				0	30	
t-1,4-Dichloro-2-butene	mg/Kg		U	U				0	30	
Styrene	mg/Kg		U	U				0	30	
1,1,2,2-Tetrachloroethane	mg/Kg		U	U				0	30	
o-Xylene	mg/Kg		U	U				0	30	
1,2,3-Trichloropropane	mg/Kg		U	U				0	30	
cis-1,4-Dichloro-2-butene	mg/Kg		U	U				0	30	
Isopropylbenzene (Cumene)	mg/Kg		U	U				0	30	
Bromobenzene	mg/Kg		U	U				0	30	
n-propylbenzene	mg/Kg		U	U				0	30	
2-Chlorotoluene	mg/Kg		U	U				0	30	
1,3,5-Trimethylbenzene	mg/Kg		U	U				0	30	
4-Chlorotoluene	mg/Kg		U	U				0	30	
tert-Butylbenzene	mg/Kg		U	U				0	30	
1,2,4-Trimethylbenzene	mg/Kg		U	U				0	30	
sec-Butylbenzene	mg/Kg		U	U				0	30	
1,3-Dichlorobenzene	mg/Kg		U	U				0	30	
1,4-Dichlorobenzene	mg/Kg		U	U				0	30	
4-Isopropyltoluene	mg/Kg		U	U				0	30	
1,2-Dichlorobenzene	mg/Kg		U	U				0	30	
n-Butylbenzene	mg/Kg		U	U				0	30	
1,2-DBCP	mg/Kg		U	U				0	30	
1,2,4-Trichlorobenzene	mg/Kg		U	U				0	30	
Naphthalene	mg/Kg		U	U				0	30	
Hexachlorobutadiene	mg/Kg		U	U				0	30	
1,2,3-Trichlorobenzene	mg/Kg		U	U				0	30	
Xylenes- Total	mg/Kg		U	U				0	30	

SAMPLE DUPLICATE: 143100 Original: 1856960004

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Volatiles by GC/MS						
Dibromofluoromethane (S)	%	21.1		1	30	
Toluene d8 (S)	%	16.7		1	30	
4-Bromofluorobenzene (S)	%	19.5		3	30	
Dichlorodifluoromethane	mg/Kg		U			
Chloromethane	mg/Kg		U			

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

SAMPLE DUPLICATE: 143100 Original: 1856960004

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Vinyl chloride	mg/Kg		U			
Bromomethane	mg/Kg		U			
Chloroethane	mg/Kg		U			
Trichlorofluoromethane	mg/Kg		U			
Acrolein	mg/Kg		U			
Acetone	mg/Kg		0.0035i			
1,1-Dichloroethene	mg/Kg		U			
Iodomethane	mg/Kg		U			
Acrylonitrile	mg/Kg		U			
Methylene chloride	mg/Kg		U			
Carbon disulfide	mg/Kg		U			
trans-1,2-Dichloroethene	mg/Kg		U			
tert-Butyl methyl ether (MTBE)	mg/Kg	0	U	0	30	
1,1-Dichloroethane	mg/Kg		U			
Vinyl acetate	mg/Kg		U			
Methyl ethyl ketone (MEK)	mg/Kg		U			
cis-1,2-Dichloroethene	mg/Kg		U			
Bromochloromethane	mg/Kg		U			
Chloroform	mg/Kg		U			
2,2-Dichloropropane	mg/Kg		U			
1,2-Dichloroethane	mg/Kg		U			
1,1,1-Trichloroethane	mg/Kg		U			
1,1-Dichloropropene	mg/Kg		U			
Carbon tetrachloride	mg/Kg		U			
Benzene	mg/Kg	0	U	0	30	
Dibromomethane	mg/Kg		U			
1,2-Dichloropropane	mg/Kg		U			
Trichloroethene	mg/Kg		U			
Bromodichloromethane	mg/Kg		U			
cis-1,3-Dichloropropene	mg/Kg		U			
4-methyl-2-pentanone	mg/Kg		U			
trans-1,3-Dichloropropene	mg/Kg		U			
1,1,2-Trichloroethane	mg/Kg		U			
Toluene	mg/Kg	0	U	0	30	
1,3-Dichloropropane	mg/Kg		U			
Ethyl methacrylate	mg/Kg		U			
Dibromochloromethane	mg/Kg		U			
2-Hexanone	mg/Kg		U			
1,2-Dibromoethane (EDB)	mg/Kg		U			
Tetrachloroethene	mg/Kg		U			
1,1,1,2-Tetrachloroethane	mg/Kg		U			
Chlorobenzene	mg/Kg		U			
Ethylbenzene	mg/Kg	0	U	0	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA

Workorder: 1856885

Project ID: CITY OF HALLANDALE

SAMPLE DUPLICATE: 143100 Original: 1856960004

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
m & p-xylene	mg/Kg	0	U	0	30	
Bromoform	mg/Kg		U			
t-1,4-Dichloro-2-butene	mg/Kg		U			
Styrene	mg/Kg		U			
1,1,2,2-Tetrachloroethane	mg/Kg		U			
o-Xylene	mg/Kg	0	U	0	30	
1,2,3-Trichloropropane	mg/Kg		U			
cis-1,4-Dichloro-2-butene	mg/Kg		U			
Isopropylbenzene (Cumene)	mg/Kg		U			
Bromobenzene	mg/Kg		U			
n-propylbenzene	mg/Kg		0.00036i			
2-Chlorotoluene	mg/Kg		U			
1,3,5-Trimethylbenzene	mg/Kg		U			
4-Chlorotoluene	mg/Kg		U			
tert-Butylbenzene	mg/Kg		U			
1,2,4-Trimethylbenzene	mg/Kg		U			
sec-Butylbenzene	mg/Kg		U			
1,3-Dichlorobenzene	mg/Kg		U			
1,4-Dichlorobenzene	mg/Kg		U			
4-Isopropyltoluene	mg/Kg		U			
1,2-Dichlorobenzene	mg/Kg		U			
n-Butylbenzene	mg/Kg		U			
1,2-DBCP	mg/Kg		U			
1,2,4-Trichlorobenzene	mg/Kg		U			
Naphthalene	mg/Kg		U			
Hexachlorobutadiene	mg/Kg		U			
1,2,3-Trichlorobenzene	mg/Kg		U			
Xylenes- Total	mg/Kg	0	U	0	30	

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA QUALIFIERS

Workorder: 1856885

Project ID: CITY OF HALLANDALE

QUALITY CONTROL PARAMETER QUALIFIERS

J3	The reported value failed to meet the established quality control for either precision or accuracy.
J3a	The reported value failed to meet the established quality control criteria. LCS value skewed high. Target analyte was not detected in associated samples.
J3p	The reported value failed to meet the established quality control criteria for precision. Target analyte was not detected in associated samples.
J4	MS/MSD recovery exceeded control limits due to matrix interference. LCS/LCSD recovery was within acceptable range.
J4h	MS/MSD recovery exceeded control limits due to high background sample concentration. LCS/LCSD recovery was within acceptable range.
P1	RPD value not applicable for sample concentrations less than 5 times the PQL.

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter Environmental Laboratories, Inc.
150 S. Old Dixie Highway
Jupiter, FL 33458
Phone: (561)575-0030
Fax: (561)575-4118

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 1856885

Project ID: CITY OF HALLANDALE

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1856885003	**LS-1**	EPA 3050B	MXX/9699	EPA 6020	MMS/8665
1856885001	**LW-1 (9')**	EPA 200.2 mod.	MXX/9704	EPA 200.8 (Total)	MMS/8669
1856885002	**LW-1 (18')**	EPA 200.2 mod.	MXX/9704	EPA 200.8 (Total)	MMS/8669
1856885001	**LW-1 (9')**	EPA 3510C	XXX/11054	FL-PRO (GC)	XGCP/4040
1856885002	**LW-1 (18')**	EPA 3510C	XXX/11054	FL-PRO (GC)	XGCP/4040
1856885003	**LS-1**	EPA 3545	XXX/11058	FL-PRO (GC)	XGCP/4040
1856885003	**LS-1**	EPA 3545	XXX/11060	EPA 8270C	XMS/5879
1856885001	**LW-1 (9')**	EPA 3510C	XXX/11061	EPA 8270C	XMS/5879
1856885002	**LW-1 (18')**	EPA 3510C	XXX/11061	EPA 8270C	XMS/5879
1856885001	**LW-1 (9')**	EPA 5030B	VXX/8082	EPA 8260C	VMS/7917
1856885002	**LW-1 (18')**	EPA 5030B	VXX/8082	EPA 8260C	VMS/7917
1856885003	**LS-1**	SM 2540G	WGR/3490		
1856885003	**LS-1**	EPA 5035	VXX/8091	EPA 8260C	VMS/7926

FDOH# E86546

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Jupiter Environmental Laboratories, Inc..

Jupiter
Environmental Laboratories, Inc.

www.jupiterlabs.com
150 S. Old Dixie Highway, Jupiter, FL 33458
(561) 575-0030 • (888) 287-3218 • clientservices@jupiterlabs.com

J.E.L. Log # 185885
P.O. #
Quote #

Company Name: LANDSCIENCE
Address: ON FILE
City State Zip: HALLANDALE, FL.
Sampling Site Address
Attn: M. PAGES Email
Project Name: CITY OF HALLANDALE Project #
Sampler Name/Signature: C. MURRAY

LAB ANALYSIS

Requested Turnaround Time
Note: Rush requests subject to acceptance by the laboratory
✓ Standard
___ Expedited
Due 5/29/18

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	VOC	SVOC	FL-PRO	8 RCRA METALS	Field Filtered (Y/N)	Comments
1	LW-1(9')	5/21/18	13:20	SW	6	✓	✓	✓	✓		
2	LW-1(18')	5/21/18	13:40	SW	6	✓	✓	✓	✓		
3	LS-1	5/21/18	14:30	S	4	✓	✓	✓	✓		
4											
5											
6											
7											
8											
9											
0											

Matrix Codes*
S Soil/Solid Sediment; SW Surface Water; GW Ground Water; SL Sludge; WW Waste Water; O Other (Please Specify); DW Drinking Water

Pres Codes
A- none; I- Ice; B- HNO_3; O- Other; C- H_2SO_4; M- MeOH; D- NaOH; N- $Na_2S_2O_3$; E- HCl; Z- ZnAc

Relinquished by	Date	Time	Received by	Date	Time
C. MURRAY	5/22/18	15:53		5-22-18	15:53
	5/22/18	1800		5/22/18	1800

QA/QC level with report
None ___1___2___3___ See price guide for applicable fees

FDEP Dry Cleaning ☐ FDEP UST Pre-Approval ☐
SFWMD ☐ ADaPT ☐ DOT ☐

Temp Control: 3.8 °C

856885

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	1856885	**Req:**	833
Client:	LandSci	**Project:**	Mauricio Pag
Level:	1	**Date Rec'd:**	5/22/2018 6:00:00 PM
Rec'd via:	courier		

Cooler Check

ID	Temp	# of samples	Security Tape Present	Security Tape Intact	Method of Receipt	Comments
	3.8	3	☐	☐		

Checked By: MD

Sample Verification

Loose Caps?	No	**All Samples on COC accounted For?**	Yes
Broken Containers?	No	**All Samples on COC?**	Yes
pH Verified?	No	**Written on Internal COC?**	No
pH Strip Lot #	HC740840	**Sample Vol. Suff. For Analysis?**	Yes
Acid Preserved Samples Lot #	15127	**Samples Rec'd W/I Hold Time?**	Yes
Base Preserved Samples Lot #		**Are All Samples to be Analyzed?**	Yes
Samples Received From	courier	**Correct Sample Containers?**	Yes
Soil Origin (Domestic/Foreign	Domestic	**COC Comments written on COC?**	No
Site Location/Project on COC?	Yes	**Samplers Initials on COC?**	Yes
Client Project # on COC?	Yes	**Sample Date/Time Indicated?**	Yes
Project Mgr. Indicated on COC	Yes	**TAT Requested:**	STD
COC relinquished/Dated by Client?	Yes	**Client Requests Verbal Results?**	No
COC Received/Dated by JEL	Yes		
JEL to Conduct ALL Analyses?	Yes		

Subcontract Analysis

Parameter	Via	Lab Name	Comments

Appendix E

Qualifications of Consultant

RESUMES

ROB LUDICKE, PRESIDENT

Mr. Ludicke is a Registered Environmental Professional # 5985, who has over 12 years environmental consulting and analytical laboratory experience. He has a thorough knowledge of environmental rules and regulations, policies, and procedures. He has an extensive network of dedicated technical experts. He has conducted over 250 Phase I environmental site assessments.

PROFESSIONAL EXPERIENCE

1992-March 1998 **SENIOR ENVIRONMENTAL SCIENTIST/BRANCH MANAGER**
Ambient Technologies, Inc., Pompano Beach, Fl

- Conducted over 150 Phase I environmental site assessment projects.
- Hired, scheduled, and supervised subcontractors.
- Developed and implemented Hazard Analysis and Critical Control Point (HACCP) plans and Sanitation Standard Operating Procedures (SSOP) for food processing facilities.
- Researched and presented seminars on food safety issues. Successfully managed and operated branch office of environmental engineering/consulting firm.

1989-92 **ENVIRONMENTAL SCIENTIST/PROJECT MANAGER**
Law Engineering Companies Group, Inc., Ft. Lauderdale, Florida

- Conducted wetlands, endangered species, and Phase I environmental site assessments.
- Retained, scheduled, and supervised subcontractors.

1987-89 **DIRECTOR OF TECHNICAL MARKETING AND SERVICES**
Spectralytix, Inc., Gaithersburg, Maryland

- Formulated technical solutions for specific environmental concerns.
- Initiated and Implemented a Marketing Plan to promote analytical laboratory services.
- Established a large personal client database through thorough product knowledge, excellent sales ability, and superior client service.
- Demonstrated quick, accurate, and decisive results of customer problems/complaints.
- Increased profits 300 percent in less than one year; increased monthly sales by $150,000.

1983-87 **RESEARCH SCIENTIST**
For the Following Governmental Agencies:

- Food and Drug Administration, Washington, D.C.
- Naval Medical Research Unit III, Cairo, Egypt
- Walter Reed Army Institute of Research, Washington, D.C.

EDUCATION

MS Degree, Microbiology, 1987
Catholic University of America, Washington, D.C.

BS Degree, Biology, 1983
Mount Saint Mary's College, Emmitsburg, MD

REGISTRATIONS, ACCREDITATIONS, AND CERTIFICATIONS

- Registered Environmental Professional # 5985.
- Project Management Course, Atlanta, GA, 1990.
- Phase I Environmental Site Assessment Course, Atlanta, GA, 1991.
- National Association of Environmental Professionals.
- South Florida Association of Environmental Professionals.
- Teaching Assistantship, Catholic University of America, 1983.
- Certified OSHA Hazardous Waste, Health, and Safety Training.

CURTIS L. DOKKEN, PE, BC, PC

ENVIRONMENTAL ENGINEERING SUMMARY

Mr. Dokken has engineering and project management experience for a wide range of environmental construction projects including design/build projects. Experience in investigation/feasilibity studies; preparation of detailed construction designs and specifications for remedial action programs involving petroleum, hazardous waste, transformers and pipeline facilities; industrial waste, and underground storage tanks management.

Revelant experience includes:

- Lead Engineer or Supporting Engineer for four of the largest groundwater and soil remediation systems in the Southeast at MIA Northwest Cargo Area, Concourse C, Concourse E, and Concourse F. *Project value $12,000,000.*

- Engineering support for contamination assessments, remedial investigations/feasibility studies and remedial design/remedial action programs for sites containing hazardous waste, and pipeline facilities contaminated with polychlorinated biphenyls (PCB) and mercury.

- Removal and Installation of Underground Storage Tanks and Fuel Systems.

- QA/QC Engineer for the completion of the groundwater VOC an iron removal system at Site 82 of Camp Lejune, North Carolina. Performed troubleshooting and modification of the VOC and iron removal system. Provided sub-contractor oversight and completion punchlist preparation. Also, assisted in the preparation and operation of the multi-well pump test.

- Project Manager of the Flamingo Water Improvements Project. Project consists of installation of a nanofiltration system, reservoir tank, water meters, radio telemetry system, and completion of the main treatment building and water main. *Project value $2,500,000.*

- Lead Engineer/Project Manager for the design/build/operate of the South Dade Landfill Leachate Treatment System. *Project value $3,500,000.*

- Preparation of engineering plans and specifications for spill prevention control and countermeasures (SPCC) engineering controls.

- Engineer of Record (EOR) fo the installation and operation of six bio-venting systems at the Homestead Air force Base, Site 15B. The six bio-venting systems include approximately 4 miles of underground piping, treating and approximate area of 300,000 square feet along the active runway.

- Restoration Supervisor, responsible for the interior and exterior restoration of 100 residences and businesses over 15 month period in Jackson County, Mississippi for the United States Environmental Protection Agency (USEPA) and United States Army Corp of Engineers (USACE). Responsible for the restoration work plans, contracting and supervision of multiple contractors. Liaison between site owners, federal and local officials, and contractors.

- Project Engineer and client liaison for FDOT utility removal and installation. Developed work plan and oversight of implementation.

- Modification of an existing hydrocarbon contaminated groundwater remediation system to also treat cyanide.

- Engineering and contractor support for the remediation of arsenic impacted soils and waters at several private properties.

- Environmental Consulting/Assessment/Remedial Design/Construction Pla/Specifications/Construction Oversight in support of OHM's Miami International Airport (MIA) Contract.

- Project Manager, Lead Engineer, or Supporting Engineer for large-scale groundwater and soil remediation pilot studies at MIA Hanger 22, Concourse C and Concourse F.

- Provided Engineering and QA/QC support for removal of PCB impacted soils at FPL substations.

- Field team leader for characterization of the open burn/open detonation (OB/OD) area at the bombing range at Camp Shelby, Mississippi. Project included preservation of endangered species Project engineer for the RCRA closure plan.

AREAS OF EXPERTISE

Engineering & Project Management
Environmental Construction
Investigation / Feasibility Studies

EDUCATION / PROFESSIONAL AFFILIATIONS

B.S., Civil Engineering, University of Florida, 1990
State of Florida Professional Engineer, P.E.- 0051350
State of Florida Building Contractor License, CB - 059199
State of Florida Pollutant Storage Systems Contractor, PCC-1256787

TRAINING

OSHA 40-hour Health and Safety Training
OSHA 8 hour Hazardous Waster Supervisor Training
OSHA 8-hour Annual Refresher Training
FDOT Traffic Safety in the Work Area Course

MAURICIO PAGÉS, P.G., DIRECTOR OF OPERATIONS

Mr. Pagés is a Senior Geologist, who has over 12 years of environmental consulting experience. He is very familiar with Florida Department of Transportation (FDOT) protocol, policies and regulations. He has conducted over 1,000 Phase I Environmental Site Assessments, numerous Phase II Environmental Site Assessments, Source Removals, Tank Closure Assessments, Contamination Assessments for petroleum products and other hazardous chemicals, and conducted Emergency Response activities for the FDOT District IV and Turnpike Enterprise.

PROFESSIONAL EXPERIENCE

2011-Present **DIRECTOR OF OPERATIONS/SENIOR GEOLOGIST**
LandScience, Inc., North Miami, FL

2005-Present **SENIOR GEOLOGIST**
LandScience, Inc., North Miami, FL

2000-2005 **SENIOR HYDROGEOLOGIST/PROJECT MANAGER**
Handex of Florida, Inc., Delray Beach, FL

- Conducted Phase I and Phase II Environmental Site Assessments.
- Underground Storage Tank (UST) Removal and preparation of Tank Closure Assessment Reports.
- Conducted source removal activities and prepared Source Removal Reports.
- Health and Safety Officer.
- Operation and Maintenance of Groundwater Remediation Systems.
- Coordinated and Participated in Emergency Response Activities for the FDOT District IV, and Turnpike Enterprise.

2000 **PROJECT GEOLOGIST**
Tetra Tech, Inc., San Juan, Puerto Rico

- Phase I and Phase II Environmental Site Assessments.
- Operations and Maintenance of Pump and Treat Remediation System.
- Soil and Groundwater Sampling.

2000 **FIELD GEOLOGIST**
EA Engineering, Inc., Miami, Florida

- Phase I and Phase II Environmental Site Assessments.
- Soil and Groundwater Monitoring during construction activities at Miami International Airport.

EDUCATION

BS Degree, Geology with Emphasis on Hydrogeology, 1999
Florida Atlantic University, Boca Raton, Florida

REGISTRATIONS, ACCREDITATIONS, AND CERTIFICATIONS

- Advanced Maintenance of Traffic Supervisor
- PADI Scuba Diving Instructor
- OSHA 40- Hour Health and Safety for Hazardous Waste Operations Training

WAYNE G. MUNCHOW, ENVIRONMENTAL SCIENTIST

Mr. Munchow is an environmental scientist familiar with federal, state, and local environmental rules and regulations, policies, and procedures. He has conducted Phase I Environmental Site Assessments and Limited Phase II Environmental Site Assessments on commercial, industrial, and agricultural properties.

PROFESSIONAL EXPERIENCE

1999-Present **ENVIRONMENTAL SCIENTIST**
LandScience Inc., North Miami, Florida

- Prepared Phase I Environmental Site Assessment Reports and Limited Phase II Environmental Site Assessment Reports.
- Supervised soil penetration tests and monitoring well installations.
- Performed field screening of potentially contaminated soil samples.
- Collected soil and groundwater samples for chemical analysis.

1997-1999 **STUDENT ASSISTANT TO PROFESSOR**
Florida Atlantic University, Davie, Florida

- Prepared and accurately processed academic data into graphs and charts.
- Organized and exhibited publicly viewed presentations regarding soil microbiology, the everglades, and food borne pathogens.
- Assisted in a variety of routine clerical and laboratory tasks.

EDUCATION

BS Degree, Microbiology, 1999
Florida Atlantic University, Boca Raton, Florida

REGISTRATIONS, ACCREDITATIONS, AND CERTIFICATIONS

- OSHA 40- Hour Health and Safety for Hazardous Waste Operations Training
- AHERA Building Inspectors Certificate

COREY KNUCKLES, ENVIRONMENTAL SCIENTIST

Mr. Corey Knuckles is an Environmental Scientist whom conducted several Phase I Environmental Site Assessments and is familiar with local, state, and federal environmental regulation.

PROFESSIONAL EXPERIENCE

LandScience, Inc, North Miami, FL
Environmental Scientist: March 2013-Present
Responsibilities: Prepare and compose Phase I Environmental Site Assessment Reports, Limited Phase I Environmental Site Assessment Reports, and Transaction Site Process Reports.

Refresh Construction and Design, Charlotte, NC
Painter and Sales Representative: Summer 2012
Responsibilities: Interacting with clients, painting client property, and assisting in additional sales.

Camp Care 5K Run/Walk, Charlotte, NC
Volunteer: September 2011
Responsibilities: Directing Participants to time chip stations, handing out time chips to runners before the run/walk and retrieving time chips from runners after the run/walk.

Hands on Charlotte Speed Street Green Team, Charlotte, NC
Volunteer: May 2011
Responsibilities: Working with other hands on Charlotte volunteers to assist the city in the recycling efforts for the annual speed street event held in uptown Charlotte. As a team volunteers would walk the event area to confirm that all recycling bins were being used only for recyclables. Volunteers also raised awareness by wearing green shirts that have a common recycling logo on the front and gave assistance to event participants of recyclable materials.

Staples, Pinecrest, FL
Stock/Sales Clerk: Seasonal 2010
Responsibilities: Inventory check, customer assistance, re-stocking shelves, night-time inventory, cashier, greeted customers, go-backs, unpacking of delivery truck and heavy lifting.

Alligator Pools, Miami, FL
Mason Worker: May 2004- Dec 2009
Responsibilities: Masonry, heavy lifting, moving materials, mixing of diamond-brite or bond kote, application of mosaic tile, cleaning tools or supplies, preparing pools for diamond brite application, acid washing pools, final preparations prior to filling pools, grout work, cleaning of coping, driving to job site, and replenishment of inventory.

EDUCATION

Queens University of Charlotte
Bachelors in Environmental Studies: 2013 Graduate
Relevant coursework in Environmental Science, GIS, Biology, Environmental Impact Assessment, Data Analysis, Tropical Island Systems, Research Methods, Biology, Conservation Biology, Environmental Philosophy, and Environmental Politics. Completed an independent research project which I proposed, conducted and presented a literature review on heavy metal content in urban soils and their possible effects within the city of Charlotte North Carolina.

Miami-Dade College
Associates in Science: 2010 Graduate
Relevant coursework in Biology, Zoology, and Native Plants of South Florida.

Miami Palmetto Senior High
2005 Graduate

SKILLS

- Complete knowledge in Microsoft Word, Power Point, Excel, and Access.
- Course taken and experience using Geographic Information Systems (GIS).
- Experience creating a phase one environmental impact assessment or EIA.

NELLY SAGASTUME, ENVIRONMENTAL SCIENTIST

Ms. Nelly Sagastume is an environmental scientist who conducts Phase I Environmental Site Assessments and is familiar with local, state and federal environmental regulations.

PROFESSIONAL EXPERIENCE

January 2015 - Present **Tampa Branch Manager and Environmental Scientist**
LandScience Inc., North Miami, Florida

- Prepares Phase I Environmental Site Assessment Reports, Limited Phase I Environmental Site Assessment Reports and Transaction Screen Process Report.
- Conducts field inspection, researches property history and analyzes regulatory documents.
- Manages and organizes projects in central and north of Florida.

July - August 2012 **Administrative Assistance**
Florida Audubon, Miami, Florida

- Collected data on environmental sites.
- Reviewed permits on everglades restoration projects.
- Followed up on areas of prescribed burns.

EDUCATION AND CERTIFICATIONS

Miami Dade College — Miami, FL

OSHA: Rights & Responsibility, Fall Protection, and Ergonomics (4 hrs.) — April 2014

Florida State University — Tallahassee, FL

Environmental Science, *Bachelor of Science,* — August 2013
Minor in Geology

Pompano Divers Center — Pompano Beach, FL

PADI Scuba Certification Course — August 2011

LICENSES AND CERTIFICATIONS

Florida Board of Professional Engineers
2639 North Monroe Street, Suite B-112
Tallahassee, FL 32303-5268

Land Science, Inc.
12570 NE 7TH AVENUE
NORTH MIAMI, FL 33161

Each licensee is solely responsible for notifying the Florida Board of Professional Engineers in writing the licensee's current address.

Name changes require legal documentation showing name change. An original, a certified copy, or a duplicate of an original or certified copy of a document which shows the legal name change will be accepted unless there is a question about the authenticity of the document raised on its face, or because the genuineness of the document is uncertain, or because of another matter related to the application.

At least 90 days prior to the expiration date shown on this license, a notice of renewal will be sent to your last known address. If you have not yet received your notice 60 days prior to the expiration date, please call (850) 521-0500, or write, Florida Board of Professional Engineers, 2639 North Monroe Street, Suite B-112,Tallahassee, FL 32303-5268 or e-mail: board@fbpe.org. Our website address is http://www.fbpe.org.

State of Florida

Board of Professional Engineers

Attests that

Land Science, Inc.

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2019
Audit No: 228201903460 R

CA Lic. No: 8312

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL GEOLOGISTS (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

LAND SCIENCE, INC.
12570 NE 7TH AVE
LANDSCIENCE INC
NORTH MIAMI FL 33161

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto **www.myfloridalicense.com**. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

GB389 ISSUED: 05/16/2016

GEOLOGY BUSINESS
LAND SCIENCE, INC.

IS CERTIFIED under the provisions of Ch 492 FS.
Expiration date : JUL 31, 2018 L1605160001010

DETACH HERE

RICK SCOTT, GOVERNOR KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS

LICENSE NUMBER
GB389

The GEOLOGY BUSINESS
Named below IS CERTIFIED
Under the provisions of Chapter 492 FS.
Expiration date: JUL 31, 2018

LAND SCIENCE, INC.
12570 NE 7TH AVE
MIAMI FL 33161

ISSUED: 05/16/2016 DISPLAY AS REQUIRED BY LAW SEQ # L1605160001010

National Registry of Environmental Professionals

For

Environmental Certifications

This is to Certify that

Robert E Ludicke

having sucessfully demonstrated to the Academic Board of this organization the required level of knowledge and ability, is here by awarded the distinction of

Registered Environmental Professional

together with all rights, benefits and privileges attached thereto and that the name and title of the aforementioned registrant is today placed upon the register of the organization.

Given under our hands on this 01 day of May, 1998.

Richard A Young

Executive Director

5985

Registrant Number

This Certificate is the property of the National Registry of Environmental Professionals and must, upon demand, be returned.

National Registry of Environmental Professionals

For

Environmental Certifications

This is to Certify that

Robert E Ludicke

having sucessfully demonstrated to the Academic Board of this organization the required level of knowledge and ability, is here by awarded the distinction of

Registered Environmental Manager

together with all rights, benefits and privileges attached thereto and that the name and title of the aforementioned registrant is today placed upon the register of the organization.

Given under our hands on this 01 day of November, 2005.

Richard A Young

Executive Director

12093

Registrant Number

This Certificate is the property of the National Registry of Environmental Professionals and must, upon demand, be returned.

CERTIFICATE OF INSURANCE

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 06/14/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
INSURANCE RISK ADVISORS, INC.
1560 SAWGRASS CORPORATE PARKWAY SUITE 465
SUNRISE, FL. 33323

CONTACT NAME: MANNY MICELI
PHONE (A/C, No, Ext): 954-331-8165 FAX (A/C, No): 954-331-4687
E-MAIL ADDRESS: IRASERVICES@YAHOO.COM

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : SCOTTSDALE INSURANCE COMPANY	
INSURER B : SCOTTSDALE INSURANCE COMPANY	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
LANDSCIENCE, INC.
12570 NE 7TH AVE.
MIAMI, FL. 33161

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC	X		VRS0002866	06/15/2017	06/15/2018	EACH OCCURRENCE	$ 2,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 2,000,000
							GENERAL AGGREGATE	$ 2,000,000
							PRODUCTS - COMP/OP AGG	$ 2,000,000
								$
A	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS X HIRED AUTOS SCHEDULED AUTOS X NON-OWNED AUTOS			VRS0002866	06/15/2017	06/15/2018	COMBINED SINGLE LIMIT (Ea accident)	$ 2,000,000
							BODILY INJURY (Per person)	$ 2,000,000
							BODILY INJURY (Per accident)	$ 2,000,000
							PROPERTY DAMAGE (Per accident)	$
								$
B	UMBRELLA LIAB X EXCESS LIAB OCCUR CLAIMS-MADE DED RETENTION $	X		VES0002338	06/15/2017	06/15/2018	EACH OCCURRENCE	$ 5,000,000
							AGGREGATE	$ 5,000,000
								$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICE/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A					WC STATU-TORY LIMITS / OTH-ER	
							E.L. EACH ACCIDENT	$
							E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	PROFESSIONAL LIABILITY			VRS0002866	06/15/2017	06/15/2018		$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2010 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

CERTIFICATE OF LIABILITY INSURANCE

Date 1/4/2018

Producer: Plymouth Insurance Agency
2739 U.S. Highway 19 N.
Holiday, FL 34691
(727) 938-5562

This Certificate is issued as a matter of information only and confers no rights upon the Certificate Holder. This Certificate does not amend, extend or alter the coverage afforded by the policies below.

Insured: South East Personnel Leasing, Inc. & Subsidiaries
2739 U.S. Highway 19 N.
Holiday, FL 34691

Insurers Affording Coverage		NAIC #
Insurer A:	Lion Insurance Company	11075
Insurer B:		
Insurer C:		
Insurer D:		
Insurer E:		

Coverages

The policies of insurance listed below have been issued to the insured named above for the policy period indicated. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions, and conditions of such policies. Aggregate limits shown may have been reduced by paid claims.

INSR LTR	ADDL INSRD	Type of Insurance	Policy Number	Policy Effective Date (MM/DD/YY)	Policy Expiration Date (MM/DD/YY)	Limits	
		GENERAL LIABILITY Commercial General Liability Claims Made Occur General aggregate limit applies per: Policy Project LOC				Each Occurrence	$
						Damage to rented premises (EA occurrence)	$
						Med Exp	$
						Personal Adv Injury	$
						General Aggregate	$
						Products - Comp/Op Agg	$
		AUTOMOBILE LIABILITY Any Auto All Owned Autos Scheduled Autos Hired Autos Non-Owned Autos				Combined Single Limit (EA Accident)	$
						Bodily Injury (Per Person)	$
						Bodily Injury (Per Accident)	$
						Property Damage (Per Accident)	$
		EXCESS/UMBRELLA LIABILITY Occur Claims Made Deductible				Each Occurrence	
						Aggregate	
A	**Workers Compensation and Employers' Liability** Any proprietor/partner/executive officer/member excluded? **NO** If Yes, describe under special provisions below.		WC 71949	01/01/2018	01/01/2019	X WC Statutory Limits / OTHER	
						E.L. Each Accident	$1,000,000
						E.L. Disease - Ea Employee	$1,000,000
						E.L. Disease - Policy Limits	$1,000,000

Other **Lion Insurance Company is A.M. Best Company rated A (Excellent). AMB # 12616**

Descriptions of Operations/Locations/Vehicles/Exclusions added by Endorsement/Special Provisions: Client ID: 91-67-743

Coverage only applies to active employee(s) of South East Personnel Leasing, Inc. & Subsidiaries that are leased to the following "Client Company":

Land Science, Inc.

Coverage only applies to injuries incurred by South East Personnel Leasing, Inc. & Subsidiaries active employee(s), while working in: FL.

Coverage does not apply to statutory employee(s) or independent contractor(s) of the Client Company or any other entity.

A list of the active employee(s) leased to the Client Company can be obtained by faxing a request to (727) 937-2138 or by calling (727) 938-5562.

Project Name: FOR BID PURPOSES ONLY

ISSUE 01-04-18 (KLR)

Begin Date 3/16/2014

CERTIFICATE HOLDER

Land Science, Inc.

12570 N.E. 7th Ave

North Miami, FL 33161

CANCELLATION

Should any of the above described policies be cancelled before the expiration date thereof, the issuing insurer will endeavor to mail 30 days written notice to the certificate holder named to the left, but failure to do so shall impose no obligation or liability of any kind upon the insurer, its agents or representatives.