



**U.S. Department of the Interior
NATIONAL PARK SERVICE
Virgin Islands National Park**



**Level II Environmental Site Assessment Report
Caneel Bay Resort
Saint John, U.S. Virgins Islands**

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EXECUTIVE SUMMARY

This document is the *Level II Environmental Site Assessment (ESA) Report for the Caneel Bay Resort (CBR) Property*. The CBR property is located on the west part of the island of St. John, U.S. Virgin Islands, in the Virgin Islands National Park (VIIS). The CBR property consists of a 150-acre vacation resort located approximately 1 mile northeast of the town of Cruz Bay.

This Level II ESA is the result of a Level I ESA that was completed for the property in September of 2012. The Level I ESA identified a number of recognizable environmental conditions (RECs) on the CBR property. The purpose of this current assessment was to conduct specific Level II activities at each of the REC site areas in order to determine if an actual release of hazardous substances or petroleum products has occurred.

The results of this assessment indicate that a release of hazardous substances or petroleum products has occurred at all seven sites investigated for this Level II ESA. Additional Level II assessment activities are recommended.

Specific recommendations for each site and other areas are provided in Section 4 of this report.

1.0 INTRODUCTION

This document is the *Level II Environmental Site Assessment (ESA) Report for the Caneel Bay Resort (CBR) Property*. The CBR property is located on the west part of the island of St. John, U.S. Virgin Islands, in the Virgin Islands National Park (VIIS). The entire CBR property consists of approximately 150 acres. The property is located approximately 1 mile northeast of the town of Cruz Bay. The property consists of a large vacation resort with approximately 100 buildings and structures used for lodging, food services, recreation, docks, marinas and maintenance services. The resort property is adjacent to the east side of Caneel Bay and also includes several beaches and large areas of undeveloped woods. The National Park Service (NPS) currently owns the land but proposes to acquire ownership of the buildings and structures.

This Level II ESA is the result of a Level I ESA that was completed for the property in September of 2012. The Level I ESA identified a number of recognizable environmental conditions (RECs) on the CBR property. The purpose of this current assessment was to conduct specific Level II activities at each of the REC site areas in order to determine if an actual release of hazardous substances or petroleum products has occurred. Additional site information concerning the RECs and sites is presented in the Level I ESA report.

2.0 METHODOLOGY

This Level II ESA was conducted in accordance with the *Workplan for Level II Environmental Site Assessment (ESA) of the Caneel Bay Resort (CBR) Property, July 1, 2013*, with the following exceptions:

- The proposed work at the existing marina and fuel facility, and at the former marina fuel tanks was deleted at the request of the NPS.
- Analysis for pesticides and herbicides was added to three of the sediment samples collected at the engineering and maintenance area based on observations made during the fieldwork for this Level II ESA.
- Two subsurface soil samples and analyses were deleted from the engineering area former underground storage tank (UST). This was due to the presence of abundant rocks in the subsurface which prevented the installation of two of the soil borings to the water table.

2.1 Fieldwork and Sampling

The fieldwork and sampling activities for this Level II ESA were conducted from January 11 to January 17, 2014 by John D. Barksdale and Rafe Boulon of Barksdale and Associates, Inc. (B & A). The fieldwork and sampling activities were conducted in general accordance with the Field Branches Quality System and Technical Procedures, U.S. Environmental Protection Agency (EPA), Region 4 (<http://www.epa.gov/region4/sesd/fbqstp/#GuidanceDocuments>).

Continuous soil cuttings were collected from the soil borings and soil sample locations. The lithologic and hydrogeologic properties of the soil were recorded. The soil cuttings were field-screened for the presence of volatile organic vapors (e.g., petroleum or solvents) using a calibrated photo-ionization detector (PID). In addition, the soil cuttings were observed for indications of potential contamination, including staining, sheen and odors. The results of the field screening were used to determine the locations and/or depth intervals of the samples, unless otherwise specified in this report. All samples were collected from locations and/or depth intervals most likely to exhibit contamination.

After collection, the samples were placed on ice in coolers and shipped via overnight delivery to Test America in Pensacola, Florida for laboratory analysis.

2.2 Laboratory Data Interpretation

The soil, sediment and groundwater sample analytical results were compared with the site screening levels found in the U.S. Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2013 (<http://www.epa.gov/region9/superfund/prg/>). The RSLs are conservative risk-based human health site screening criteria developed by EPA. Four RSLs were selected as screening criteria for the site samples, as follows:

- Residential Soil RSLs – These screening criteria are used to evaluate direct human

- exposure to soils in an outdoor residential setting.
- Industrial Soil RSLs - These screening criteria are used to evaluate direct human exposure to soils for workers in an outdoor industrial or commercial setting.
- SSL RSLs – These screening criteria are used to evaluate the potential of the target compound to leach from the soil and migrate to the groundwater at levels of concern. SSLs are back-calculated from acceptable ground water concentrations.
- Tapwater RSLs – These screening criteria were used for evaluating significance of target compounds in the groundwater.

The soil and sediment results were also compared with ecological screening values for sediment found in *Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment* (EPA 2001) (<http://www.epa.gov/region4/superfund/programs/riskassess/ecolbul.html>). These screening criteria assess the impact of the target compounds on non-human biological organisms.

The U.S. Virgin Islands Department of Planning and Natural Resources (DPNR) has soil cleanup standards for total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs). DPNR also uses the EPA RSLs as soil and groundwater screening criteria. The soil and groundwater results for this assessment were compared to the DPNR standards and screening criteria.

Metals concentrations in the soils were also compared to naturally occurring levels of metals known to present in shallow soils in the continental United States. Background levels of metal in soils are presented in the document: *Geochemical Landscape of the Conterminous United States – New Map Presentations for 22 Elements*, U.S. Geological Survey (USGS) Professional Paper 1648, November 2001. USGS-derived arithmetic mean (average) metals values were used to evaluate whether the metals concentrations detected in the site soils were representative of naturally occurring background conditions or were indicative of anthropogenic sources of contamination. The average background metals values used were as follows:

- Arsenic - 5.2 milligrams per kilogram (mg/kg)
- Barium - 440 mg/kg
- Chromium - 37 mg/kg
- Lead - 16 mg/kg
- Selenium - 0.26 mg/kg
- Mercury - 0.058 mg/kg

Metals concentrations detected on the sites that exceeded 1.5 times the USGS background values were considered to potentially be anthropogenic sources of contamination. USGS background values were not available for the metals silver and cadmium.

A soil sample was collected by B & A on Saint John in 2009 in a non-affected area. The sample was analyzed for arsenic and the result was 8 mg/kg. This concentration is similar to the above background concentration for arsenic reported by the USGS.

2.3 Laboratory Analytical Methods

The following are the laboratory analytical methods used for this assessment:

- Total petroleum hydrocarbons (TPH) diesel range organics (DRO), gasoline range organics (GRO) and oil range organics (ORO; EPA Method 8015C).
- Semi-volatile organic compounds (SVOCs; EPA Method 8270D).
- Benzene, toluene, ethylbenzene and total xylenes (BTEX; EPA Method 8260B).
- Polychlorinated biphenyls (PCBs; EPA Method 8082A).
- Organochlorine pesticides (EPA Method 8081B).
- Organophosphorous pesticides (EPA Method 8141A).
- Herbicides (EPA Method 8151A).
- Nitrogen nitrate-nitrite (Method 9056).
- Nitrogen nitrite (Method 9056).
- Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver) (EPA Methods 6010C and 7471B).

2.4 Field Quality Assurance/Quality Control (QA/QC) Samples

Limited numbers of field QA/QC samples were collected. These consisted of two field duplicate samples, an equipment rinsate sample and one trip blank sample. The duplicate samples consisted of splits of soil samples collected from the engineering area underground storage tank site and the debris landfill site. The equipment rinsate sample consisted of laboratory-grade analyte-free water poured over decontaminated soil sampling equipment and analyzed for TPH DRO and GRO; BTEX; SVOCs; PCBs; and RCRA metals. The trip blank was analyte-free water shipped with samples being analyzed for BTEX; the trip blank was analyzed for BTEX only.

2.5 Subsurface Utilities

Where soil borings were conducted below 1 foot, the locations of existing subsurface utilities were determined prior to conducting these activities. Soil borings deeper than 1 foot were conducted only at the engineering area former UST site. CBR staff indicated that there were no subsurface utilities near the proposed soil boring locations at the former UST site.

2.6 List of Sites Investigated and Samples Collected

The following is a list of the sites investigated and the samples and analytical parameters for each site.

Table 1: List of Sites & Samples Collected

Site Number & Name	Number of Samples			Analytical Parameters
	Soil	Sediment	Groundwater	
01 - Engineering & Maintenance	6	1		TPH DRO, GRO & ORO; SVOCs; PCBs; RCRA metals
01 - Engineering & Maintenance		3		TPH DRO, GRO & ORO; SVOCs; PCBs; RCRA metals; Organochlorine pesticides; Organophosphorous pesticides; Herbicides
02 - Engineering - Former UST	2		1	BTEX; SVOCs; lead
03 - Grounds & Landscaping – Chemical Storage Sheds	6			Organochlorine pesticides; Organophosphorous pesticides; Herbicides; Nitrogen nitrate-nitrite; Nitrogen nitrite; RCRA metals
04 - Grounds & Landscaping – Equipment Maintenance Building	2			TPH GRO and ORO; SVOCs; RCRA metals
05 - Emergency Generator Building	4			TPH DRO and ORO; SVOCs; RCRA metals
06 - Wastewater Treatment Plant	3			TPH ORO; SVOCs; PCBs; RCRA metals
07 - Debris Landfill Near Honeymoon Beach	4			SVOCs; PCBs; Organochlorine pesticides; Organophosphorous pesticides; Herbicides; RCRA metals

(See also Table 2 in Appendix C)

2.7 Soil Sample Collection

The soil samples were collected manually using decontaminated steel post-hole diggers and/or a stainless steel trowel. A decontaminated stainless steel hand auger was also used to collect the subsurface soil samples. The sediment samples were collected using only the decontaminated stainless steel trowel.

3.0 RESULTS

This section discusses the results of the fieldwork and sampling activities for each site. Maps showing each site and the sample locations are provided in Appendix A (Figures 1 to 9). Photographs taken during the assessment fieldwork are provided in Appendix B. Appendix C contains results summary tables. Table 2 in Appendix C presents a list of all the soil and water samples, sample numbers and sample depths; Table 2 also lists the rationale for the location of each sample and the indications of potential contamination observed for the samples. Tables 3 through 10 in Appendix C provide a summary of the laboratory analytical results for each sample; the tables also provide the screening criteria discussed above in Section 2.2 and indicate whether the sample results exceeded the screening criteria. The laboratory analytical reports for the samples are contained in Appendix D.

Figure 1 in Appendix A shows the general location of each of the sites on the CBR facility.

A discussion of the assessment results for each site is provided below in Sections 3.1 to 3.7.

3.1 Site 1 – Engineering and Maintenance Area

Figures 2 and 3 show the locations of the six surface soil and four sediment samples collected for the site. Nearly all the engineering and maintenance area is paved with concrete. The surface soil samples were collected at the edges of the pavement where runoff discharges to bare soil. The sediment samples were collected from deposits of sediment in the concrete paved drainage ditch down slope from the site.

As shown in Table 2, none of the Site 1 surface soils or sediment exhibited indications of potential contamination in the field.

As shown in Table 3, three of the surface soil samples exceeded RSL or DPNR screening criteria for SVOCs and/or TPH DRO. Three samples exceeded screening criteria and 1.5 times background for arsenic. One sample exceeded screening criteria and 1.5 times background for mercury. The majority of the screening criteria exceedances were located in the area north of the engineering and maintenance area where stormwater surface runoff flows from the concrete paved areas to bare soil.

As shown in Table 4, three sediment samples exceeded RSL screening criteria for SVOCs and/or organochlorine pesticides. Two samples exceeded ecological screening values for organochlorine pesticides. One sample exceeded RSL screening criteria and 1.5 times background for mercury. There were no exceedances in sediment sample 01-SD-04, which was collected where the drainage ditch discharges to the beach on the west shore of Caneel Bay.

3.2 Site 2 – Engineering Area Former UST

Figure 4 shows the locations of the soil borings, monitoring well, and soil and groundwater samples collected on the site.

The former UST had been previously reported by CBR management staff to have been removed in the mid-1990s. During the current site investigation fieldwork, a CBR employee (Lynne Norman), who was present when the tank was removed, confirmed that the UST was removed and verified that the former tank was located just south of a warehouse building in the engineering area (see Figure 4). The location of the former UST was evident by a patched area in the concrete pavement measuring approximately 9 feet wide and 38 feet long.

A monitoring well was observed to be located near the southwest corner of the former UST location. The monitoring well was accessed through a flush-mounted steel manhole with a bolt-down lid. The well was measured to be 7.5 feet deep and is constructed of four-inch-diameter continuous polyvinyl chloride (PVC) screen. The static water level in the well was approximately 5.3 feet below the ground surface (BGS). One well volume of groundwater was calculated to be approximately 1.5 gallons. On the day prior to sampling, the well was purged of approximately 9.5 gallons of water (approximately 6 well volumes). The groundwater rapidly flowed back into the well and was clear and virtually sediment-free. No sediment was observed to remain in the bottom of the well. Based on these results, the well was determined to be suitable for collecting a representative groundwater sample. On the day of sampling (1/12/14), the well was purged of 5 gallons of water just prior to sampling. The groundwater sample was collected using a disposable, two-inch diameter Teflon bailer. During purging and sampling, care was taken to minimize agitation of the groundwater in the well.

Based on the topography at the site and surrounding area, the direction of shallow groundwater flow near the UST is estimated to be to the west. Therefore the monitoring well at the site appears to be downgradient of the former UST location.

Attempts were made at seven locations to install soil borings at the former UST site. Due to the presence of numerous rocks in the subsurface soil, only two boreholes were able to be advanced to the depth of the water table (see Figure 4). The depths of the unsuccessful boreholes ranged from approximately 1 to 3 feet BGS. The two successful boreholes were installed to approximately 7.5 feet BGS; the water table in the boreholes appeared to be at approximately 5 to 6 feet BGS. Both successful boreholes were believed to have been installed in the former UST excavation, based on the observed presence of suspected fill material. The soil near the water table in the two boreholes had a slight petroleum odor. No other indication of potential petroleum contamination was observed in the soil. Based on the field observations and locations of the two successful boreholes, it is believed that these two boreholes adequately represent the subsurface conditions at the former UST location. The concrete surface at all seven borehole locations was patched with concrete following the borehole installations or attempts.

As discussed above and shown in Table 2, the subsurface soil samples had a slight petroleum odor. However, the groundwater sample had a strong petroleum odor. The groundwater was screened with a photoionization detector (PID) using a one-gallon plastic bottle half-filled with groundwater. The PID reading of the air (headspace) in the bottle was 3.3 parts per million (ppm), which indicates the presence of volatile organic compounds (VOCs) in the groundwater. As a control, the same test was performed using tapwater and the resulting PID reading was 0.1 ppm.

As shown on Table 5, none of the subsurface soil samples exceeded screening criteria. As shown on Table 6, the groundwater sample exceeded screening criteria for benzene, ethylbenzene, naphthalene, and 1- and 2-methylnaphthalene.

3.3 Site 3 – Grounds and Landscaping Chemical Storage Sheds

Figure 5 shows the locations of the surface soil samples collected on the site.

As shown in Table 2, none of the Site 3 surface soils exhibited indications of potential contamination in the field.

As shown in Table 7, all but one of the surface soil samples exceeded screening criteria for organophosphorous or organochlorine pesticides. Five of the samples exceeded screening criteria and 1.5 times background for the metals arsenic or selenium; silver exceeded screening criteria in two samples.

3.4 Site 4 - Grounds and Landscaping Equipment Maintenance Building

Figure 6 shows the locations of the surface soil samples collected on the site.

As shown in Table 2, only one of the Site 4 surface soils exhibited indications of potential contamination in the field; this was a gray staining, oil and metallic odor and PID reading up to 2 ppm.

As shown in Table 8, one surface soil sample exceeded RSL screening criteria for benzo(b)fluoranthene. One sample exceeded screening criteria and 1.5 times background for selenium.

3.5 Site 5 – Emergency Generator Building

Figure 7 shows the locations of the surface soil samples collected on the site.

As shown in Table 2, none of the Site 5 surface soils exhibited indications of potential contamination in the field.

As shown in Table 9, three of the four surface soil samples exceeded the DPNR screening criteria for DRO. All four samples greatly exceeded the screening criteria and 1.5 times background for arsenic; one sample exceeded screening criteria and 1.5 times background for selenium, and one sample exceeded screening criteria and 1.5 times background for mercury.

3.6 Site 6 – Wastewater Treatment Plant

Figure 8 shows the locations of the surface soil samples collected on the site.

As shown in Table 2, one of the Site 6 surface soil samples exhibited indications of potential contamination in the field; this was a strong oil odor.

As shown in Table 10, two of the three surface soil samples exceeded RSL screening criteria for SVOCs. Two samples exceeded screening criteria and 1.5 times background for selenium, and one sample exceeded screening criteria and 1.5 times background for mercury.

3.7 Site 7 – Debris Landfill

During site assessment fieldwork, CBR staff reported that the landfill has been used for over 50 years to dispose of all types of wastes from CBR operations. In addition, CBR staff reported that the deposited material is up to 15 feet thick in places, especially in the southwest part of the landfill.

Figure 9 shows the locations of the surface soil samples collected on the site.

The surface soil samples at Site 7 were collected from specific locations as opposed to the gridded locations proposed in the workplan. This was due to the results of a closer inspection of the landfill area. One sample was collected at the base of the fill material at the downslope (southwest) end of the landfill area. The other three were collected in four- to six-foot-deep depressions in the surface of the landfill where garbage and debris were exposed. All four samples were collected from two composites at each sample location.

As shown in Table 2, three of the four Site 7 surface soils exhibited indications of potential contamination in the field; this was plastic and metal debris in the soil.

As shown in Table 11, three of the four surface soil samples exceeded screening criteria for the pesticide dieldrin and for SVOCs and PCBs. Three of the samples exceeded screening criteria and 1.5 times background for the metal selenium.

3.8 Laboratory Analytical Results Discussion

Some of the sample analytical results were labelled with an “I” qualifier, which indicates that the detected concentration was low and was above the laboratory method detection limit but was below the practical quantitation limit.

Some of the sample analytical results were labelled with a “V” qualifier, which indicates that the detected analyte was also present in the associated laboratory method blank; and the concentration detected in the method blank was equal to or more than 10% of the concentration reported for the sample. This is not believed to have affected the analytical results for the samples.

A complete discussion of the laboratory quality control results is provided in the case narrative of each Test America report (Appendix D).

3.9 Field Quality Control Sample Results

Duplicate Samples

The duplicate samples consisted of splits of two soil samples collected from: 1) the engineering area underground storage tank site (sample 02-SU-03, see Table 5); and 2) the debris landfill

site (sample 07-SS-05, see Table 11). The results of both duplicate samples were in close agreement with the original samples from which the duplicates were split.

Rinsate Sample

The equipment rinsate sample consisted of laboratory-grade analyte-free water poured over decontaminated soil sampling equipment (see Table 6). Very low concentrations of DRO and mercury were detected in the rinsate blank. No other analytes (BTEX, SVOCs, GRO or lead) were detected. Given the very low concentrations of only two analytes detected, the results of the rinsate sample are considered to be acceptable and indicate that the soil sampling equipment was effectively decontaminated.

Trip Blank

The trip blank was analyte-free water shipped with samples being analyzed for BTEX; the trip blank was analyzed for BTEX only (see Table 6). No BTEX compounds were detected in the trip blank.

3.10 Asbestos Pipes

A CBR employee reported that subsurface asbestos pipes are present in several areas on the property. The pipes were reported to be part of old pipes used to supply the resort with drinking water. Asbestos pipes were reported to be present near Honeymoon Beach and the Debris Landfill (Site 7). A suspected asbestos pipe (six-inch-diameter) was observed in the subsurface near the Grounds and Landscaping Equipment Maintenance Building. Two samples of this pipe were collected to determine if the pipe material contained asbestos. The samples were analyzed for asbestos by EMSL Analytical, Inc. using Polarized Light Microscopy by EPA Method 600/R-93/116. The laboratory analytical report is contained in Appendix D. The results indicate that both samples of the pipe contained approximately 30 percent asbestos.

4.0 DISCUSSION, CONCLUSIONS & RECOMMENDATIONS

The following sections contain a discussion of the results, and conclusions and recommendations for each site. It should be noted that the groundwater beneath the CBR facility is not potable and is not used for any purpose. Some compounds were detected in the soil at levels of concern for leachability to the ground water; however, the groundwater would require sampling to determine if those compounds are actually present in the groundwater at levels of concern. Because the groundwater is unused on the property, it is unlikely that it poses a threat to human health.

4.1 Site 1 – Engineering and Maintenance Area

Soil

The screening criteria exceedances in the surface soil at this site indicate that there is a concern for direct human contact with SVOC compounds and arsenic. In addition, there are concerns for leachability of SVOCs, arsenic and mercury to groundwater. The primary area of concern on the site is the area north of the east part of the site where stormwater runoff from the maintenance areas to the soil occurs. One exceedance of the DPNR screening criteria for TPH DRO occurred in the area west and downslope from the site where stormwater runoff to bare soil occurs in that area.

Further assessment is recommended to determine the horizontal and vertical extents of the constituents in the soil at the site that exceeded screening criteria. Synthetic Precipitation Leaching Procedure (SPLP) testing of the soil should be conducted to better determine the potential for leaching of the detected constituents to the groundwater; or groundwater samples should be collected. A risk assessment may be required to better evaluate the potential risk to human health and the environment.

Sediment

The screening criteria exceedances in the sediment at this site indicate that there is a concern for direct human contact with SVOC compounds. In addition, there are concerns for leachability of 4,4-DDD, benzo(a)pyrene, benzo(b)fluoranthene and mercury to the groundwater and surface water. There is also a concern for adverse ecological impact by organochlorine pesticides. Elevated levels of these constituents were not present in the sediment sample collected on the beach where the drainage ditch discharges into Caneel Bay.

Further assessment is recommended to determine the horizontal and vertical extents of the constituents in the sediment at the site that exceeded screening criteria. SPLP testing of the sediment should be conducted to better determine the potential for leaching of the detected constituents to the groundwater and surface water; or groundwater and surface water samples should be collected. A risk assessment may be required to better evaluate the potential risk to human health and the environment.

4.2 Site 2 – Engineering Area Former UST

Subsurface Soil

Low concentrations of BTEX and SVOC compounds were detected; however, there were no screening criteria exceedances in the subsurface soil at the location of the former UST.

Groundwater

The groundwater sample exceeded the tapwater screening criteria for benzene, ethylbenzene, naphthalene, 1-methylnaphthalene and 2-methylnaphthalene, all of which are all petroleum-related compounds. These compounds are likely due to the presence of low level petroleum constituents in the soils near the former UST. However, as stated above, the groundwater is not used at the CBR facility. The concentrations of these compounds will probably decline over time due to bio-degradation and natural attenuation. Periodic re-sampling of the groundwater in the monitoring well is recommended. The manhole lid and locking cap on the well should be repaired or replaced to provide better security for the well.

4.3 Site 3 – Grounds and Landscaping Chemical Storage Sheds

The screening criteria exceedances in the surface soil at this site indicate that there are concerns for leachability of malathion, numerous organochlorine pesticides, arsenic and selenium to groundwater.

Further assessment is recommended to determine the horizontal and vertical extents of the constituents in the soil at the site that exceeded screening criteria. SPLP testing of the soil should be conducted to better determine the potential for leaching of the detected constituents to the groundwater; or groundwater samples should be collected. A risk assessment may be required to better evaluate the potential risk to human health and the environment.

4.4 Site 4 - Grounds and Landscaping Equipment Maintenance Building

The screening criteria exceedances in the surface soil at this site indicate that there are concerns for leachability of benzo(b)fluoranthene and selenium to groundwater.

Further assessment is recommended to determine the horizontal and vertical extents of the constituents in the soil at the site that exceeded screening criteria. SPLP testing of the soil should be conducted to better determine the potential for leaching of the detected constituents to the groundwater; or groundwater samples should be collected. A risk assessment may be required to better evaluate the potential risk to human health and the environment.

4.5 Site 5 – Emergency Generator Building

The screening criteria exceedances in the surface soil at this site indicate that there is a concern for direct human contact with arsenic. In addition, there are concerns for leachability of selenium and mercury to groundwater. Three of the four surface soil samples exceeded the DPNR screening criterion for DRO.

Further assessment is recommended to determine the horizontal and vertical extents of the constituents in the soil at the site that exceeded screening criteria. SPLP testing of the soil should be conducted to better determine the potential for leaching of the detected constituents to the groundwater; or groundwater samples should be collected. A risk assessment may be required to better evaluate the potential risk to human health and the environment.

4.6 Site 6 – Wastewater Treatment Plant

The screening criteria exceedances in the surface soil at this site indicate that there is a concern for direct human contact with several SVOCs. In addition, there are concerns for leachability of SVOCs, selenium and mercury to groundwater. One sample (06-SS-01) had high levels of ORO; however, there is no screening criterion for this constituent.

Further assessment is recommended to determine the horizontal and vertical extents of the constituents in the soil at the site that exceeded screening criteria. SPLP testing of the soil should be conducted to better determine the potential for leaching of the detected constituents to the groundwater; or groundwater samples should be collected. A risk assessment may be required to better evaluate the potential risk to human health and the environment.

4.7 Site 7 – Debris Landfill

The screening criteria exceedances in the surface soil at this site indicate that there is a concern for direct human contact with several SVOCs. In addition, there are concerns for leachability of alpha chlordane, dieldrin, several SVOCs, PCBs and selenium to groundwater.

Further assessment is recommended to determine the horizontal and vertical extents of the constituents in the soil at the site that exceeded screening criteria. SPLP testing of the soil should be conducted to better determine the potential for leaching of the detected constituents to the groundwater; or groundwater samples should be collected. An attempt should be made to collect soil samples from deeper within the deposited waste. A groundwater or leachate sample should be collected from just beyond the southwest part of the filled area. A risk assessment may be required to better evaluate the potential risk to human health and the environment.

4.8 Asbestos Pipes

Asbestos water pipes have been reported to be present in the ground in several areas on the CBR facility. One six-inch-diameter pipe was observed at the Grounds and Landscaping site and was tested to confirm that it contained asbestos. The observed pipe was broken and in poor condition. Asbestos is a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). An additional investigation should be conducted to identify the locations of the asbestos water pipes on the property. Where feasible, the asbestos pipes should be removed and properly disposed of to prevent human exposure to asbestos fibers. In the meantime, care should be taken not to disturb the existing pipes.

4.9 Cottage 7

A CBR employee reported that a pre-World War II bomb shelter was formerly present beneath Cottage 7, which is a guest house in the northwest part of the resort. The CBR employee believed that an underground storage tank (UST) had been associated with an emergency generator for the bomb shelter. The Cottage 7 exterior and grounds near the cottage were inspected during the fieldwork for this Level II ESA; however, no evidence of the former bomb shelter or UST was observed. More research concerning the former bomb shelter and UST should be conducted to determine if a potential release of fuel from the UST has occurred at this location.

4.10 Resort Management Practices

Many of the sites discussed in this report still have areas where hazardous substances and petroleum products are being used and are exposed to rainfall, have been spilled on surfaces, or are being discharged to the soil and water on and near the sites. CBR should clean up these areas and provide containment for the hazardous substances and petroleum products so that contaminants are no longer able to migrate to the soil or water.

Appendix A

Site & Sample Location Maps



North

Wastewater
Treatment Plant
Area

Grounds &
Landscaping Area

Former UST Site

Engineering &
Maintenance Area

Emergency
Generator Building

Debris Landfill

**Figure I - Site Locations
Caneel Bay Resort**

0

800

Approximate Scale - Feet



* Indicates sample exceeded screening criteria

AR-002951

North

01-SS-05*

01-SS-04*

01-SS-06*

01-SS-03

01-SS-02

01-SS-01*

0

100

Approximate Scale in Feet

**Figure 2 - Surface Soil Sample Locations
Site I - Engineering & Maintenance Area**



AR-002952

North

* Indicates sample exceeded screening criteria

01-SD-01*

Drainage Ditch Location

Drainage Ditch Flow Direction to West

Drainage Ditch Outfall on Beach

01-SD-02*

01-SD-03*

Grounds & Landscaping Area

Engineering & Maintenance Area

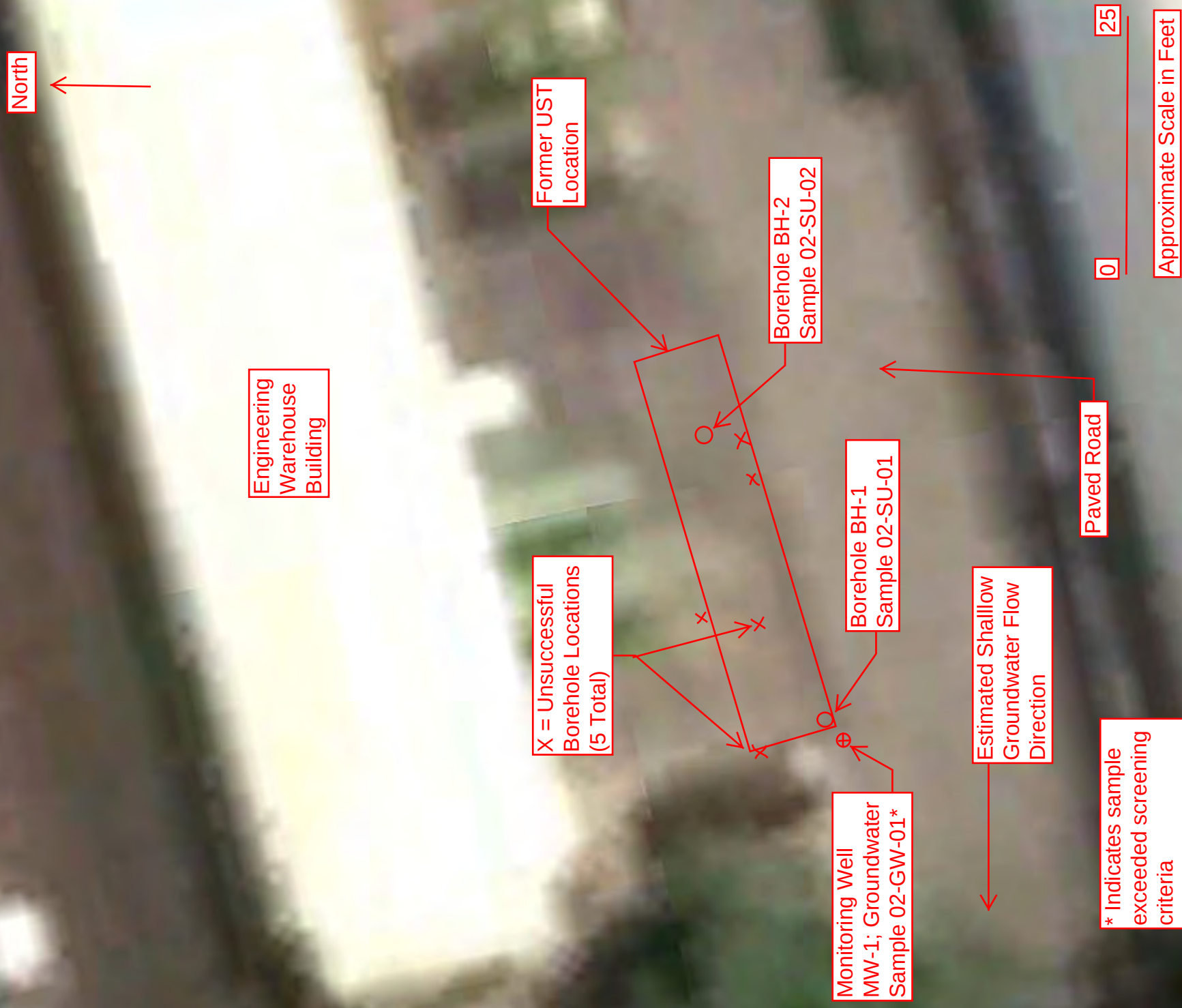
01-SD-04

0

100

**Figure 3 - Sediment Sample Locations
Site I - Engineering & Maintenance Area**

Approximate Scale - Feet



**Figure 4 - Soil & Groundwater Sample Locations
Site 2 - Engineering Area Former UST**



Figure 5 - Surface Soil Sample Locations
Site 3 - Grounds & Landscaping Chemical Storage Sheds



Figure 6 - Surface Soil Sample Locations
Site 4 - Grounds & Landscaping Equipment Maintenance Building



North

Paved Road

05-SS-04*

05-SS-03*

05-SS-02*

05-SS-01*

Old Generator
Building

Emergency
Generator Building

0

30

Approximate Scale - Feet

AR-002956

* Indicates sample
exceeded screening
criteria

Figure 7 - Surface Soil Sample Locations
Site 5 - Emergency Generator Building



Figure 8 - Surface Soil Sample Locations
Site 6 - Wastewater Treatment Plant

* Indicates sample exceeded screening criteria



**Figure 9 - Surface Soil Sample Locations
Site 7 - Debris Landfill**

Appendix B

Site Photographs



Unpaved Area West (Downslope) of the Engineering Area – Two Surface Soils Samples Collected in this Area



Unpaved Area North of the Engineering Area – Four Surface Soils Samples Collected in this Area



Paved Ditch North of Engineering Area – Sediment Sample Collected at this Location



Paved Ditch Northwest of Engineering Area – Sediment Samples Collected in this Area

Level II ESA Report, Caneel Bay Resort, Saint John, U.S. Virgin Islands, March 2014



Former UST Location in Engineering Area



Concrete Pavement Patch at Former UST Location



Former UST Location - Cutting Pavement for Borehole BH2



Former UST Location - Installing Borehole BH2



Monitoring Well Near Southwest Corner of Former UST Location



Boreholes Installed Through Pavement at Former UST Location – Borehole BH1 in Foreground

Level II ESA Report, Caneel Bay Resort, Saint John, U.S. Virgin Islands, March 2014



Grounds & Landscaping Chemical Storage Shed – Two Surface Soil Samples Collected at this Location



Grounds & Landscaping Greenhouse –Surface Soil Sample Collected at this Location



Grounds & Landscaping – Exposed Asbestos Pipe in Ground Near Equipment Maintenance Building



Grounds & Landscaping Equipment Maintenance Building – Surface Soil Samples Collected Here



Northwest Side of Emergency Generator Building - Surface Soil Sample Locations



Wastewater Treatment Plant Pump Building – Soil Sample Location Near Pallet of Batteries on Ground



Wastewater Treatment Plant Pump Building – Soil Sample Location Near Northwest Corner of Building



Debris Landfill at Base of Berm Near Southwest Edge of Fill – Surface Soil Sample 07-SS-01 Location



Debris Landfill – Depression in Fill Material – Composite Surface Soil Sample Location



Debris Landfill – Depression in Fill Material – Composite Surface Soil Sample Location

Appendix C

Results Summary Tables

**Table 2 - Sample Location Rationale and Potential Contamination Indications
Caneel Bay Resort**

AR-002971

Site Number & Name	Sample No.	Sample Type	Sample Depth (feet BGS)	Sample Location Rationale	Indications of Potential Contamination Observed in the Field
Site 1 - Engineering & Maintenance	01-SS-01	Surface soil	0 - 0.5	In stormwater runoff area downslope from south part of concrete-paved Site 1	None
Site 1 - Engineering & Maintenance	01-SS-02	Surface soil	0 - 0.5	In stormwater runoff area downslope from south part of concrete-paved Site 1	None
Site 1 - Engineering & Maintenance	01-SS-03	Surface soil	0 - 0.5	In stormwater runoff areas adjacent to north part of concrete paved Site 1	None
Site 1 - Engineering & Maintenance	01-SS-04	Surface soil	0 - 0.5	In stormwater runoff areas adjacent to north part of concrete paved Site 1	None
Site 1 - Engineering & Maintenance	01-SS-05	Surface soil	0 - 0.5	In stormwater runoff areas adjacent to north part of concrete paved Site 1	None
Site 1 - Engineering & Maintenance	01-SS-06	Surface soil	0 - 0.5	In stormwater runoff areas adjacent to north part of concrete paved Site 1	None
Site 1 - Engineering & Maintenance	01-SD-01	Sediment	0 - 0.5	In concrete-paved drainage ditch downslope & downstream from Site 1	None
Site 1 - Engineering & Maintenance	01-SD-02	Sediment	0 - 0.5	In concrete-paved drainage ditch downslope & downstream from Sites 1 & 3	None
Site 1 - Engineering & Maintenance	01-SD-03	Sediment	0 - 0.5	In concrete-paved drainage ditch downslope & downstream from Sites 1 & 3	None
Site 1 - Engineering & Maintenance	01-SD-04	Sediment	0 - 0.5	In concrete-paved drainage ditch downslope & downstream from Sites 1 & 3	None
Site 2 - Engineering Area Former UST	02-SU-01	Subsurface Soil	5.5 - 6.5	In former UST excavation; collected from near the water table	Slight petroleum odor
Site 2 - Engineering Area Former UST	02-SU-02	Subsurface Soil	5 - 7	In former UST excavation; collected from near the water table	Slight petroleum odor
Site 2 - Engineering Area Former UST	02-SU-03	Subsurface Soil	5 - 7	Duplicate of 02-SU-02	Slight petroleum odor
Site 2 - Engineering Area Former UST	02-GW-01	Groundwater	5 - 7.5	Monitoring well adjacent to and downgradient from former UST area	Strong petroleum odor; 3.3 ppm headspace PID reading
Site 3 - Grounds & Landscaping Chemical Storage Sheds	03-SS-01	Surface Soil	0 - 0.5	In compost & debris area	None
Site 3 - Grounds & Landscaping Chemical Storage Sheds	03-SS-02	Surface Soil	0 - 0.5	In greenhouse near irrigation sprinkler	None

**Table 2 - Sample Location Rationale and Potential Contamination Indications
Caneel Bay Resort**

AR-002972

Site Number & Name	Sample No.	Sample Type	Sample Depth (feet BGS)	Sample Location Rationale	Indications of Potential Contamination Observed in the Field
Site 3 - Grounds & Landscaping Chemical Storage Sheds	03-SS-03	Surface Soil	0 - 0.5	In reported former chemical storage area; 3 composited locations	None
Site 3 - Grounds & Landscaping Chemical Storage Sheds	03-SS-04	Surface Soil	0 - 0.5	In potted plant storage area near irrigation sprinkler	None
Site 3 - Grounds & Landscaping Chemical Storage Sheds	03-SS-05	Surface Soil	0 - 0.5	Adjacent to entrance to chemical storage shed	None
Site 3 - Grounds & Landscaping Chemical Storage Sheds	03-SS-06	Surface Soil	0 - 0.5	Adjacent to entrance to chemical storage shed	None
Site 4 - Grounds & Landscaping Equipment Maintenance Building	04-SS-01	Surface Soil	0 - 0.5	Adjacent to open-sided maintenance building with oily equipment; 2 composited locations	Gray stain; oil & metallic odor; PID up to 2 ppm
Site 4 - Grounds & Landscaping Equipment Maintenance Building	04-SS-02	Surface Soil	0 - 0.5	Adjacent to open-sided maintenance building with oily equipment; 3 composited locations	None
Site 5 - Emergency Generator Building	05-SS-01	Surface Soil	0 - 0.5	Adjacent to discharge point for surface runoff from outside building	None
Site 5 - Emergency Generator Building	05-SS-02	Surface Soil	0 - 0.5	Adjacent to discharge point for liquid runoff from inside building	None
Site 5 - Emergency Generator Building	05-SS-03	Surface Soil	0 - 0.5	Adjacent to discharge point for liquid runoff from inside building	None
Site 5 - Emergency Generator Building	05-SS-04	Surface Soil	0 - 0.5	Adjacent to discharge point for liquid runoff from inside building	None
Site 6 - Wastewater Treatment Plant	06-SS-01	Surface Soil	0 - 0.5	Adjacent to discharge point for oily surface runoff from inside pump building	Strong oil odor
Site 6 - Wastewater Treatment Plant	06-SS-02	Surface Soil	0 - 0.5	Adjacent to discharge point for oily surface runoff from inside pump building	None
Site 6 - Wastewater Treatment Plant	06-SS-03	Surface Soil	0 - 0.5	Adjacent to pump building & pallet of lead-acid batteries on ground	None
Site 7 - Debris Landfill	07-SS-01	Surface Soil	0 - 1	Adjacent to 15' high fill berm on southwest (downslope) edge of landfill; 2 composited locations	None
Site 7 - Debris Landfill	07-SS-02	Surface Soil	0 - 1	Inside 6' deep depression with exposed debris & garbage; 2 composited locations	Plastic & metal debris in soil
Site 7 - Debris Landfill	07-SS-03	Surface Soil	0 - 1	Inside 4' deep depression with exposed debris & garbage; 2 composited locations	None
Site 7 - Debris Landfill	07-SS-04	Surface Soil	0 - 1	Inside ' deep depression with exposed debris & garbage; 2 composited locations	Plastic, glass & metal debris in soil
Site 7 - Debris Landfill	07-SS-05	Surface Soil	0 - 1	Duplicate of 07-SS-01	Plastic & metal debris in soil

Table 3 - Soil Sample Laboratory Analytical Results Summary
Site 1 - Engineering Maintenance Area

AR-002973

Soil Sample Analytical Parameters (Units)	Screening Criteria				Sample Number & Results					
	RSL Resident Soil (mg/kg)	RSL Industrial Soil (mg/kg)	RSL SSL (mg/kg)	DPNR (mg/kg)	01-SS-01	01-SS-02	01-SS-03	01-SS-04	01-SS-05	01-SS-06
SVOCs (mg/kg)										
Benzo[a]anthracene	0.15	2.1	0.01	NE	ND	ND	ND	0.081 I	ND	0.027 I
Benzo[a]pyrene	0.015	0.21	0.0035	0.1	ND	ND	ND	0.11 I	ND	0.046 I
Benzo[b]fluoranthene	0.15	2.1	0.035	NE	ND	ND	ND	0.16 I	ND	0.072 I
Benzo[g,h,i]perylene	NE	NE	NE	2,500	ND	ND	ND	0.11 I	ND	0.036 I
Benzo[k]fluoranthene	1.5	21	0.35	NE	ND	ND	ND	ND	ND	0.027 I
Chrysene	15	210	1.1	NE	ND	ND	ND	ND	ND	0.033 I
Fluoranthene	230	2,200	7	3,200	ND	ND	ND	0.28 I	ND	0.11 I
Indeno[1,2,3-cd]pyrene	0.15	2.1	0.2	NE	ND	ND	ND	0.089 I	ND	0.031 I
Phenanthrene	NE	NE	NE	2,200	ND	ND	ND	0.17 I	ND	0.018 I
Pyrene	170	1,700	0.95	2,400	0.094 I	ND	ND	0.30 I	ND	0.11 I
DRO (mg/kg)	NE	NE	NE	100	370	27	4.1 I V	300	10 V	19 V
GRO (mg/kg)	NE	NE	NE	100	ND	ND	ND	ND	ND	ND
ORO (mg/kg)	NE	NE	NE	NE	350	33	3.6 I V	230	12 V	16 V
PCBs	NAP	NAP	NAP	NAP	ND	ND	ND	ND	ND	ND
Metals (mg/kg)*										
Silver - {NE}*	39	510	0.06	NE	ND	ND	ND	ND	ND	ND
Arsenic - {5.2}*	0.61	2.4	0.0013	NE	7.8	2.6	5.7	19	15	42
Barium - {440}*	1,500	19,000	12	NE	53	57	95	120	110	79
Cadmium - {NE}*	7 (Diet)	80 (Diet)	NE	NE	0.46 I	0.26 I	0.26 I	2.1	0.48 I	1.1
Chromium - {37}*	NE	NE	NE	NE	32	33	39	76	52	74
Lead - {16}*	400	800	NE	NE	19	26	8	130	37	18
Selenium - {0.26}*	39	510	0.04	NE	ND	0.74 I	ND	ND	0.62 I	0.63 I
Mercury - {0.058}*	1	4.3	0.0033	NE	0.028 V	0.051 V	0.036 V	0.11 V	0.064 V	0.057 V

Notes:

RSL = U.S. EPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2013

RSL SSL = Soil screening level for protection of groundwater. *Metals numbers in {brackets} are mean background values in conterminous U.S.

DPNR = U.S. Virgin Islands Department of Planning and Natural Resources Cleanup Standards

PCBs = Polychlorinated biphenyls. NAP = Not applicable, parameter group not detected.

SVOCs = Semi Volatile Organic Compounds. DRO = Diesel Range Organics. GRO = Gasoline Range Organics. ORO = Oil Range Organics.

Bold & underlined sample results exceed one or more of the screening criteria. **Bold** screening criteria are exceeded by one or more sample results.

Non-detect analytes may not be shown on the table.

Mg/kg = milligrams per kilogram. NE = Value not established. ND = not detected.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

V = Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Yellow highlight indicates that metals value exceeds RSL and 1.5 times the background level.

Table 4 - Sediment Sample Laboratory Analytical Results Summary
Site 1 - Engineering and Maintenance Area

AR-002974

Sediment Sample Analytical Parameters (Units)	Screening Criteria					Sample Number & Results			
	RSL Resident Soil (mg/kg)	RSL Industrial Soil (mg/kg)	RSL SSL (mg/kg)	DPNR (mg/kg)	ESV Sediment (mg/kg)	01-SD-01	01-SD-02	01-SD-03	01-SD-04
Organophosphorous Pesticides	NAP	NAP	NAP	NAP	NAP	NA	ND	ND	ND
Organochlorine Pesticides (mg/kg)									
4,4'-DDD	2	7.2	0.0064	NE	0.0033	NA	0.02	ND	ND
4,4'-DDE	1.4	5.1	0.046	NE	0.0033	NA	0.016	0.0059 I	ND
4,4'-DDT	1.7	7	0.067	NE	0.0033	NA	0.0074 I	0.0027 I	ND
Dieldrin	0.03	0.11	0.000061	NE	0.0033	NA	0.0082 I	ND	ND
Herbicides						NA	ND	ND	ND
SVOCs (mg/kg)									
Benzo[a]pyrene	0.02	0.2	0.0035	0.1	0.33	0.12 I	ND	ND	ND
Benzo[b]fluoranthene	0.15	2.1	0.035	NE	NE	0.16 I	ND	0.081 I	ND
Benzo[g,h,i]perylene	NE	NE	NE	2,500	NE	0.11 I	ND	ND	ND
DRO (mg/kg)	NE	NE	NE	100	NE	24 V	37	17 V	3.7 IV
GRO (mg/kg)	NE	NE	NE	100	NE	ND	ND	ND	ND
ORO (mg/kg)	NE	NE	NE	NE	NE	30	65	36	2.6 IV
PCBs	NAP	NAP	NAP	NAP	NAP	ND	ND	ND	ND
Metals (mg/kg)									
Silver - {NE}*	39	510	0.06	NE	2	ND	ND	ND	ND
Arsenic - {5.2}*	0.61	2.4	0.0013	NE	7.24	2.6	1.4	0.99	0.98
Barium - {440}*	1,500	19,000	12	NE	NE	71	31	18	8.9
Cadmium - {NE}*	7 (Diet)	80 (Diet)	NE	NE	1	0.31 I	ND	0.13 I	ND
Chromium - {37}*	NE	NE	NE	NE	52.3	40	25	16	4.2
Lead - {16}*	400	800	NE	NE	30.2	17	3.2	6.7	1.5
Selenium - {0.26}*	39	510	0.04	NE	NE	ND	ND	ND	1.7
Mercury - {0.058}*	1	4.3	0.0033	NE	0.13	0.071 V	0.10 V	0.017 IV	0.016 IV

Notes:

RSL = U.S. EPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2013

RSL SSL = Soil screening level for protection of groundwater. *Metals numbers in {brackets} are mean background values in conterminous U.S.

DPNR = U.S. Virgin Islands Department of Planning and Natural Resources Cleanup Standards

ESV = Ecological screening values for sediment in Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment (EPA 2001)

PCBs = Polychlorinated biphenyls. NAP = Not applicable, parameter group not detected.

SVOCs = Semi Volatile Organic Compounds. DRO = Diesel Range Organics. GRO = Gasoline Range Organics. ORO = Oil Range Organics.

Bold & underlined sample results exceed one or more of the screening criteria. **Bold** screening criteria are exceeded by one or more sample results.

Non-detect analytes may not be shown on the table.

Mg/kg = milligrams per kilogram. NE = Value not established. ND = not detected. NA = Sample not analyzed for this parameter.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

V = Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Yellow highlight indicates that metals value exceeds RSL and 1.5 times the background level.

**Table 5 - Subsurface Soil Sample Laboratory Analytical Results Summary
Site 2 - Engineering Area Former UST**

AR-002975

Soil Sample Analytical Parameters (Units)	Screening Criteria				Sample Number & Results		
	RSL Resident Soil (mg/kg)	RSL Industrial Soil (mg/kg)	RSL SSL (mg/kg)	DPNR (mg/kg)	02-SU-01	02-SU-02	02-SU-03 (Duplicate of 02-SU-02)
BTEX (mg/kg)					ND	ND	ND
Ethylbenzene	5.4	27	0.0015	1,500	0.00093 I	ND	ND
SVOCs (mg/kg)					ND	ND	ND
Fluoranthene	230	2,200	7	3,200	0.075 I	ND	ND
Pyrene	170	1,700	0.95	2,400	0.077 I	ND	ND
Metals (mg/kg)							
Lead - {16}*	400	800	NE	NE	7.5	8.3	6.6

Notes:

RSL = U.S. EPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2013

RSL SSL = Soil screening level for protection of groundwater. *Metals numbers in {brackets} are mean background values in conterminous U.S.

DPNR = U.S. Virgin Islands Department of Planning and Natural Resources Cleanup Standards

BTEX = Benzene, toluene, ethylbenzene & xylenes. SVOCs = Semi Volatile Organic Compounds.

Bold & underlined sample results exceed one or more of the screening criteria. **Bold** screening criteria are exceeded by one or more sample results.

Non-detect analytes may not be shown on the table.

Mg/kg = milligrams per kilogram. NE = Value not established. ND = not detected.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

V = Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Table 6 - Groundwater QC Sample Laboratory Analytical Results Summary
Site 2 - Engineering Area Former UST

AR-002976

Soil Sample Analytical Parameters (Units)	Screening Criteria		Sample Number & Results		
	RSL Tapwater (µg/L)	RSL MCL (µg/L)	02-GW-01	Rinsate Blank	Trip Blank
BTEX (µg/L)					
Benzene	0.39	5	<u>0.64</u> I	ND	ND
Ethylbenzene	1.3	700	<u>49</u>	ND	ND
Toluene	86	1,000	0.72 I	ND	ND
Xylenes	19	10,000	2 I	ND	ND
SVOCs (µg/L)					
Acenaphthene	40	NE	0.91 I	ND	NA
Anthracene	130	NE	0.29 I	ND	NA
Fluoranthene	63	NE	0.68 I	ND	NA
Fluorene	22	NE	6.0 I	ND	NA
Naphthalene	0.14	NE	<u>19</u>	ND	NA
Phenanthrene	NE	NE	0.77 I	ND	NA
Pyrene	8.7	NE	0.48 I	ND	NA
1-Methylnaphthalene	0.97	NE	<u>13</u>	ND	NA
2-Methylnaphthalene	2.7	NE	<u>18</u>	ND	NA
GRO (µg/L)	NE	NE	NA	ND	NA
DRO (µg/L)	NE	NE	NA	72 IV	NA
PCBs	NAP	NAP	NA	ND	NA
Metals (mg/L)					
Lead	NE	15	0.0043 I	ND	NA
Mercury	0.063	2	NA	0.00012 IV	NA

Notes:

RSL = U.S. EPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2013

MCL = EPA maximum contaminant level for drinking water.

ESV = ecological screening values for soil and sediment in Supplemental Guidance to RAGS: Region 4 Bulletins, Ecological Risk Assessment (EPA 2001)

BTEX = Benzene, toluene, ethylbenzene & xylenes. SVOCs = Semi Volatile Organic Compounds.

DRO = Diesel Range Organics. GRO = Gasoline Range Organics. NAP = Not applicable, parameter group not detected.

Bold & underlined sample results exceed one or more of the screening criteria. **Bold** screening criteria are exceeded by one or more sample results.

Non-detect analytes may not be shown on the table.

Mg/L = milligrams per liter. µg/L = micrograms per liter. NE = Value not established. ND = not detected. NA = Sample not analyzed for this parameter.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

V = Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

**Table 7 - Soil Sample Laboratory Analytical Results Summary
Site 3 - Grounds and Landscaping Chemical Storage Sheds**

AR-002977

Soil Sample Analytical Parameters (Units)	Screening Criteria			Sample Number & Results					
	RSL Resident Soil (mg/kg)	RSL Industrial Soil (mg/kg)	RSL SSL (mg/kg)	03-SS-01	03-SS-02	03-SS-03	03-SS-04	03-SS-05	03-SS-06
Organophosphorous Pesticides (mg/kg)									
Malathion	120	1,200	0.0079	ND	0.0090 I	ND	ND	ND	0.14
Organochlorine Pesticides (mg/kg)									
4,4'-DDD	2	7.2	0.0064	0.00013 I	0.001	0.00074 I	ND	0.0011	ND
4,4'-DDE	1.4	5.1	0.046	0.0037	0.022	0.019	0.1	0.2	0.032
4,4'-DDT	1.7	7	0.067	0.0013	0.012	0.0028	0.0066	0.022	0.0098
Aldrin	0.029	0.1	0.00065	ND	ND	0.00033 I	ND	0.00046 I	ND
alpha-Chlordane	1.6	6.5	0.013	ND	ND	0.04	ND	0.069	0.013
beta-BHC	0.27	0.96	0.00013	ND	ND	0.00049 I	ND	ND	ND
Dieldrin	0.03	0.11	0.000061	ND	0.0013	0.013	ND	0.026	0.024
Endosulfan I	37	370	0.11	ND	0.014	ND	ND	ND	ND
Endosulfan II	37	370	0.11	ND	0.017	0.0021	ND	ND	0.0028
Endosulfan sulfate	37	370	0.11	ND	0.0097	0.0013	ND	ND	0.0011
Endrin	1.8	18	0.0068	0.00079 I	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.52	2.1	0.00021	ND	ND	ND	ND	ND	0.0021
gamma-Chlordane	1.6	6.5	0.013	ND	ND	0.023	ND	0.034	0.0048
Heptachlor	0.11	0.38	0.00014	ND	ND	ND	ND	0.00065 I	ND
Heptachlor epoxide	0.053	0.19	0.000068	ND	ND	ND	ND	0.0018	ND
Herbicides	NAP	NAP	NAP	ND	ND	ND	ND	ND	ND
Nutrients (mg/kg)									
Nitrate as N	13,000	160,000	NE	15	20	13	12	13	170
Nitrite as N	780	10,000	NE	15	13	14	ND	14	ND
Nitrate Nitrite as N	NE	NE	NE	30	33	27	12	27	170
Metals (mg/kg)									
Silver - {NE}*	39	510	0.06	ND	ND	ND	ND	0.23 I	0.26 I
Arsenic - {5.2}*	0.61	2.4	0.0013	1.1	15	2.5	4	1.6	30
Barium - {440}*	1,500	19,000	12	36	58	42	59	42	41
Cadmium - {NE}*	7 (Diet)	80 (Diet)	NE	0.16 I	0.40 I	0.38 I	0.47 I	0.27 I	0.61
Chromium - {37}*	NE	NE	NE	17	45	24	33	33	56
Lead - {16}*	400	800	NE	7.7	15	20	41	13	9.1
Selenium - {0.26}*	39	510	0.04	1.6	0.51 I	0.57 I	0.68 I	ND	ND
Mercury - {0.058}*	1	4.3	0.0033	ND	0.019	ND	0.021	0.032	0.025

Notes:

RSL = U.S. EPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2013

RSL SSL = Soil screening level for protection of groundwater. *Metals numbers in {brackets} are mean background values in conterminous U.S.

DPNR TPH Limit = U.S. Virgin Islands Department of Planning and Natural Resources, Total Petroleum Hydrocarbon Limit

Bold & underlined sample results exceed one or more of the screening criteria. **Bold** screening criteria are exceeded by one or more sample results.

Non-detect analytes may not be shown on the table.

Mg/kg = milligrams per kilogram. NE = Value not established. ND = not detected. NAP = Not applicable, parameter group not detected.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

V = Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Yellow highlight indicates that metals value exceeds RSL and 1.5 times the background level.

Table 8 - Soil Sample Laboratory Analytical Results Summary
Site 4 - Grounds and Landscaping Equipment Maintenance Building

AR-002978

Soil Sample Analytical Parameters (Units)	Screening Criteria				Sample Number & Results	
	RSL Resident Soil (mg/kg)	RSL Industrial Soil (mg/kg)	RSL SSL (mg/kg)	DPNR (mg/kg)	04-SS-01	04-SS-02
SVOCs (mg/kg)						
Benzo[b]fluoranthene	0.15	2.1	0.035	NE	ND	<u>0.070 I</u>
GRO (mg/kg)	NE	NE	NE	100	ND	0.092 I
ORO (mg/kg)	NE	NE	NE	NE	220	86
Metals (mg/kg)						
Silver - {NE}*	39	510	0.06	NE	ND	ND
Arsenic - {5.2}*	0.61	2.4	0.0013	NE	<u>4.9</u>	<u>4.6</u>
Barium - {440}*	1,500	19,000	12	NE	<u>40</u>	<u>34</u>
Cadmium - {NE}*	7 (Diet)	80 (Diet)	NE	NE	0.50 I	0.40 I
Chromium - {37}*	NE	NE	NE	NE	37	27
Lead - {16}*	400	800	NE	NE	41	16
Selenium - {0.26}*	39	510	0.04	NE	ND	<u>0.56 I</u>
Mercury - {0.058}*	1	4.3	0.0033	NE	<u>0.028 V</u>	<u>0.031 V</u>

Notes:

RSL = U.S. EPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2013

RSL SSL = Soil screening level for protection of groundwater. *Metals numbers in {brackets} are mean background values in conterminous U.S.

DPNR = U.S. Virgin Islands Department of Planning and Natural Resources Cleanup Standards

SVOCs = Semi Volatile Organic Compounds. GRO = Gasoline Range Organics. ORO = Oil Range Organics.

Bold & underlined sample results exceed one or more of the screening criteria. **Bold** screening criteria are exceeded by one or more sample result

Non-detect analytes may not be shown on the table.

Mg/kg = milligrams per kilogram. NE = Value not established. ND = not detected.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

V = Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Yellow highlight indicates that metals value exceeds RSL and 1.5 times the background level.

Table 9 - Soil Sample Laboratory Analytical Results Summary
Site 5 - Emergency Generator Building

AR-002979

Soil Sample Analytical Parameters (Units)	Screening Criteria				Sample Number & Results			
	RSL Resident Soil (mg/kg)	RSL Industrial Soil (mg/kg)	RSL SSL (mg/kg)	DPNR (mg/kg)	05-SS-01	05-SS-02	05-SS-03	05-SS-04
SVOCs (mg/kg)					ND		ND	ND
Pyrene	170	1,700	0.95	2,400	ND	0.083 I	ND	ND
DRO (mg/kg)	NE	NE	NE	100	<u>310</u>	<u>620</u>	98	<u>480</u>
ORO (mg/kg)	NE	NE	NE	NE	93	590	79	110
Metals (mg/kg)								
Silver - {NE}*	39	510	0.06	NE	<u>3.5</u>	<u>1.1</u>	<u>0.45 I</u>	<u>0.38 I</u>
Arsenic - {5.2}*	0.61	2.4	0.0013	NE	<u>30</u>	<u>35</u>	<u>49</u>	<u>57</u>
Barium - {440}*	1,500	19,000	12	NE	<u>88</u>	<u>38</u>	<u>67</u>	<u>81</u>
Cadmium - {NE}*	7 (Diet)	80 (Diet)	NE	NE	<u>7.3</u>	4.5	4.4	1.8
Chromium - {37}*	NE	NE	NE	NE	90	68	60	37
Lead - {16}*	400	800	NE	NE	180	100	83	59
Selenium - {0.26}*	39	510	0.04	NE	<u>1.1 IV</u>	ND	ND	ND
Mercury - {0.058}*	1	4.3	0.0033	NE	<u>0.083</u>	<u>0.34</u>	<u>0.026</u>	<u>0.022</u>

Notes:

RSL = U.S. EPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2013

RSL SSL = Soil screening level for protection of groundwater. *Metals numbers in {brackets} are mean background values in conterminous U.S.

DPNR = U.S. Virgin Islands Department of Planning and Natural Resources Cleanup Standards

SVOCs = Semi Volatile Organic Compounds. DRO = Diesel Range Organics. ORO = Oil Range Organics.

Bold & underlined sample results exceed one or more of the screening criteria. **Bold** screening criteria are exceeded by one or more sample results.

Non-detect analytes may not be shown on the table.

Mg/kg = milligrams per kilogram. NE = Value not established. ND = not detected.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

V = Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Yellow highlight indicates that metals value exceeds RSL and 1.5 times the background level.

**Table 10 - Soil Sample Laboratory Analytical Results Summary
Site 6 - Wastewater Treatment Plant**

AR-002980

Soil Sample Analytical Parameters (Units)	Screening Criteria				Sample Number & Results		
	RSL Resident Soil (mg/kg)	RSL Industrial Soil (mg/kg)	RSL SSL (mg/kg)	DPNR (mg/kg)	06-SS-01	06-SS-02	06-SS-03
SVOCs (µg/kg)							
Acenaphthene	340	3,300	0.41	2,400	ND	ND	0.0065 I
Anthracene	1,700	17,000	4.2	21,000	ND	ND	0.12 I
Benzo[a]anthracene	0.15	2.1	0.01	NE	ND	ND	0.20 I
Benzo[a]pyrene	0.015	0.21	0.0035	0.1	ND	0.049	0.16 I
Benzo[b]fluoranthene	0.15	2.1	0.035	NE	ND	ND	0.20 I
Benzo[g,h,i]perylene	NE	NE	NE	2,500	ND	ND	0.085 I
Benzo[k]fluoranthene	1.5	21	0.35	NE	ND	ND	0.0069 I
Chrysene	15	210	1.1	NE	ND	ND	0.17 I
Fluoranthene	230	2,200	7	3,200	ND	0.062 I	0.43 I
Fluorene	230	2,200	0.4	2,600	ND	ND	0.041 I
Indeno[1,2,3-cd]pyrene	0.15	2.1	0.2	NE	ND	0.042 I	0.085 I
Phenanthrene	NE	NE	NE	2,200	ND	ND	0.41 I
Pyrene	170	1,700	0.95	2,400	0.066 I	0.080 I	0.36 I
ORO (mg/kg)	NE	NE	NE	NE	4,100	52	3.6 IV
PCBs (mg/kg)	NAP	NAP	NAP	NAP	ND	ND	ND
Metals (mg/kg)							
Silver - {NE}*	39	510	0.06	NE	ND	0.62 I	ND
Arsenic - {5.2}*	0.61	2.4	0.0013	NE	5.3	5.6	4
Barium - {440}*	1,500	19,000	12	NE	47	70	55
Cadmium - {NE}*	7 (Diet)	80 (Diet)	NE	NE	0.35 I	0.65 I	0.28 I
Chromium - {37}*	NE	NE	NE	NE	45	71	63
Lead - {16}*	400	800	NE	NE	14	23	19
Selenium - {0.26}*	39	510	0.04	NE	0.77 IV	1.0 IV	ND
Mercury - {0.058}*	1	4.3	0.0033	NE	0.03	0.27	0.017 I

Notes:

RSL = U.S. EPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2013

RSL SSL = Soil screening level for protection of groundwater. *Metals numbers in {brackets} are mean background values in conterminous U.S.

DPNR = U.S. Virgin Islands Department of Planning and Natural Resources Cleanup Standards

PCBs = Polychlorinated biphenyls.

SVOCs = Semi Volatile Organic Compounds. DRO = Diesel Range Organics. ORO = Oil Range Organics.

Bold & underlined sample results exceed one or more of the screening criteria. **Bold** screening criteria are exceeded by one or more sample results.

Non-detect analytes may not be shown on the table.

Mg/kg = milligrams per kilogram. NE = Value not established. ND = not detected. NAP = Not applicable, parameter group not detected.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

V = Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Yellow highlight indicates that metals value exceeds RSL and 1.5 times the background level.

Table 11 - Soil Sample Laboratory Analytical Results Summary
Site 7 - Debris Landfill

AR-002981

Soil Sample Analytical Parameters (Units)	Screening Criteria				Sample Number & Results				
	RSL Resident Soil (mg/kg)	RSL Industrial Soil (mg/kg)	RSL SSL (mg/kg)	DPNR (mg/kg)	07-SS-01	07-SS-05 (Duplicate of 07-SS-01)	07-SS-02	07-SS-03	07-SS-04
Organophosphorous Pesticides	NAP	NAP	NAP	NAP	ND	ND	ND	ND	ND
Organochlorine Pesticides (mg/kg)									
4,4'-DDD	2	7.2	0.0064	NE	0.00012 I	ND	ND	ND	0.0014 I
4,4'-DDE	1.4	5.1	0.046	NE	0.00065 I	ND	0.0085	0.013	0.021
4,4'-DDT	1.7	7	0.067	NE	0.00049 I	ND	0.0016 I	0.0042 I	0.0087 I
alpha-Chlordane	1.6	6.5	0.013	NE	ND	ND	0.0019 I	0.0017 I	ND
Dieldrin	0.03	0.11	0.000061	NE	ND	ND	0.0010 I	0.000059 I	0.0012 I
gamma-Chlordane	1.6	6.5	0.013	NE	ND	ND	0.00088 I	0.00065 I	ND
Herbicides	NAP	NAP	NAP	NAP	ND	ND	ND	ND	ND
SVOCs (µg/kg)									
Anthracene	1,700	17,000	4.2	21,000	ND	ND	0.042 I	ND	0.031 I
Benzo[a]anthracene	0.15	2.1	0.01	NE	ND	ND	0.24 I	0.052 I	0.11 I
Benzo[a]pyrene	0.015	0.21	0.0035	0.1	ND	ND	0.21 I	0.068 I	0.11 I
Benzo[b]fluoranthene	0.15	2.1	0.035	NE	ND	ND	0.31 I	0.10 I	0.14 I
Benzo[g,h,i]perylene	NE	NE	NE	2,500	ND	ND	0.14 I	0.053 I	0.063 I
Benzo[k]fluoranthene	1.5	21	0.35	NE	ND	ND	0.10 I	ND	0.053 I
Chrysene	15	210	1.1	NE	ND	ND	0.23 I	0.040 I	0.12 I
Fluoranthene	230	2,200	7	3,200	ND	ND	0.48 I	0.13 I	0.28 I
Indeno[1,2,3-cd]pyrene	0.15	2.1	0.2	NE	ND	ND	0.13 I	0.051 I	0.060 I
Phenanthrene	NE	NE	NE	2,200	ND	ND	0.20 I	0.052 I	0.15 I
Pyrene	170	1,700	0.95	2,400	ND	ND	0.41 I	0.11 I	0.23 I
PCBs (mg/kg)									
PCB-1260	0.22	0.74	0.024	NE	ND	ND	ND	0.028	0.039
Metals (mg/kg)									
Silver - {NE}*	39	510	0.06	NE	ND	ND	ND	ND	ND
Arsenic - {5.2}*	0.61	2.4	0.0013	NE	0.8	0.7	5.8	4.3	2.1
Barium - {440}*	1,500	19,000	12	NE	80	51	79	58	72
Cadmium - {NE}*	7 (Diet)	80 (Diet)	NE	NE	ND	ND	0.29 I	0.39 I	0.25 I
Chromium - {37}*	NE	NE	NE	NE	14	14	27	36	30
Lead - {16}*	400	800	NE	NE	5.4	5.6	11	10	15
Selenium - {0.26}*	39	510	0.04	NE	ND	0.49 IV	ND	0.68 IV	0.82 IV
Mercury - {0.058}*	1	4.3	0.0033	NE	0.018	0.021	0.04	0.052	0.059

Notes:

RSL = U.S. EPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2013

RSL SSL = Soil screening level for protection of groundwater. *Metals numbers in {brackets} are mean background values in conterminous U.S.

DPNR = U.S. Virgin Islands Department of Planning and Natural Resources Cleanup Standards

PCBs = Polychlorinated biphenyls.

SVOCs = Semi Volatile Organic Compounds.

Bold & underlined sample results exceed one or more of the screening criteria. **Bold** screening criteria are exceeded by one or more sample results.

Non-detect analytes may not be shown on the table.

Mg/kg = milligrams per kilogram. NE = Value not established. ND = not detected. NAP = Not applicable, parameter group not detected.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

V = Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Yellow highlight indicates that metals value exceeds RSL and 1.5 times the background level.

Appendix D

Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-85394-1

Client Project/Site: VIIS CANEEL BAY RESORT

For:

Barksdale & Associates

105 South G Street

Pensacola, Florida 32502

Attn: Mr. John Barksdale



Authorized for release by:

1/31/2014 5:48:15 PM

Cheyenne Whitmire, Project Manager II

(850)474-1001

cheyenne.whitmire@testamericainc.com

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

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

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Case Narrative

AR-002985

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Job ID: 400-85394-1**Laboratory: TestAmerica Pensacola****Narrative****Job Narrative
400-85394-1****GC/MS Semi VOA**

Method(s) 8141A: The continuing calibration verification (CCV) associated with batch 205696 recovered above the upper control limit for Dichlorvos. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 01-SD-02 (400-85394-8), 01-SD-03 (400-85394-9), 01-SD-04 (400-85394-10).

Method(s) 8141A: The following samples were diluted due to the dark oily nature of the sample matrix: 01-SD-02 (400-85394-8), 01-SD-03 (400-85394-9). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to the extracts dark color: 01-SS-01 (400-85394-1), 01-SS-02 (400-85394-2), 01-SS-04 (400-85394-4), 01-SD-01 (400-85394-7), 01-SD-02 (400-85394-8), 01-SD-03 (400-85394-9), 04-SS-01 (400-85394-11), 04-SS-02 (400-85394-12). Elevated reporting limits (RL) are provided.

GC Semi VOA

Method(s) 8015C: The method blank for batch 204695 contained C10-C28 and C28-C35 results above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8015C: The following samples were diluted due to the dark color and thick viscosity: 01-SD-02 (400-85394-8), 01-SD-03 (400-85394-9), 04-SS-01 (400-85394-11). Elevated reporting limits (RL) are provided.

Method(s) 8081B: The following samples were diluted due to the dark color and thick viscosity: 01-SD-02 (400-85394-8), 01-SD-03 (400-85394-9). Elevated reporting limits (RL) are provided.

Method(s) 8082A: The TCMX surrogate recovery for sample 01-SD-02 (400-85394-8) is within control limits, however, the DCB surrogate recovery is low outside control limits. The sample is non-detect and reported.

Method(s) 8151A: The following samples were diluted due to dark, yellow color: 01-SD-02 (400-85394-8), 01-SD-03 (400-85394-9). Elevated reporting limits (RL) are provided.

Method(s) 8151A: The continuing calibration verification (CCV) associated with batch 205585 recovered above the upper control limit for Dalapon. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 01-SD-02 (400-85394-8), 01-SD-03 (400-85394-9), 01-SD-04 (400-85394-10).

Metals

Method(s) 6010C: The low level check standard (CCVL) recovery associated with batch 205601 is outside the acceptance criteria for the following analyte: As. Because the target analyte result is greater than 5 times the reporting limit (RL), CCV is referenced rather than the low level standard (CCVL). The following samples are affected: 01-SS-01 (400-85394-1), 01-SS-03 (400-85394-3), 01-SS-05 (400-85394-5), 01-SS-06 (400-85394-6), 04-SS-01 (400-85394-11), 04-SS-02 (400-85394-12).

Method(s) 6010C: The low level check standard (CCVL) recovery associated with batch 205781 is outside the acceptance criteria for the following analyte: As. Because the target analyte result is greater than 5 times the reporting limit (RL), CCV is referenced rather than the low level standard (CCVL). The following sample is affected: 01-SS-04 (400-85394-4).

Method Summary

AR-002986

Client: Barksdale & Associates

TestAmerica Job ID: 400-85394-1

Project/Site: VIIS CANEEL BAY RESORT

Method	Method Description	Protocol	Laboratory
8141A	Organophosphorous Pesticides (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8015C	GRO by 8015C	SW846	TAL PEN
8015C	Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	SW846	TAL PEN
8081B	Organochlorine Pesticides (GC)	SW846	TAL PEN
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PEN
8151A	Herbicides (GC)	SW846	TAL PEN
6010C	Metals (ICP)	SW846	TAL PEN
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PEN
Moisture	Percent Moisture	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

AR-002987

Client: Barksdale & Associates

TestAmerica Job ID: 400-85394-1

Project/Site: VIIS CANEEL BAY RESORT

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-85394-1	01-SS-01	Solid	01/11/14 12:30	01/15/14 09:17
400-85394-2	01-SS-02	Solid	01/11/14 12:45	01/15/14 09:17
400-85394-3	01-SS-03	Solid	01/11/14 13:45	01/15/14 09:17
400-85394-4	01-SS-04	Solid	01/11/14 14:20	01/15/14 09:17
400-85394-5	01-SS-05	Solid	01/11/14 14:50	01/15/14 09:17
400-85394-6	01-SS-06	Solid	01/11/14 15:10	01/15/14 09:17
400-85394-7	01-SD-01	Solid	01/11/14 16:10	01/15/14 09:17
400-85394-8	01-SD-02	Solid	01/13/14 10:15	01/15/14 09:17
400-85394-9	01-SD-03	Solid	01/13/14 10:25	01/15/14 09:17
400-85394-10	01-SD-04	Solid	01/13/14 14:00	01/15/14 09:17
400-85394-11	04-SS-01	Solid	01/12/14 15:30	01/15/14 09:17
400-85394-12	04-SS-02	Solid	01/12/14 15:50	01/15/14 09:17

TestAmerica Pensacola

Client Sample Results

AR-002988

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-01

Lab Sample ID: 400-85394-1

Date Collected: 01/11/14 12:30

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 77.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Acenaphthylene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Anthracene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Benzo[a]anthracene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Benzo[a]pyrene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Benzo[b]fluoranthene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Benzo[g,h,i]perylene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Benzo[k]fluoranthene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Chrysene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Dibenz[a,h]anthracene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Fluoranthene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Fluorene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Indeno[1,2,3-cd]pyrene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Naphthalene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Phenanthrene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
Pyrene	0.094	I	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
1-Methylnaphthalene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5
2-Methylnaphthalene	0.064	U	2.1	0.064	mg/Kg	☼	01/16/14 07:59	01/17/14 11:57	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		44 - 108	01/16/14 07:59	01/17/14 11:57	5
Nitrobenzene-d5 (Surr)	88		27 - 114	01/16/14 07:59	01/17/14 11:57	5
Terphenyl-d14 (Surr)	89		36 - 134	01/16/14 07:59	01/17/14 11:57	5

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.061	U	0.12	0.061	mg/Kg	☼	01/16/14 10:00	01/16/14 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	96		65 - 125	01/16/14 10:00	01/16/14 14:53	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	370		6.4	2.2	mg/Kg	☼	01/16/14 07:41	01/17/14 14:59	1
Oil Range Organics (C28-C35)	350		6.4	2.2	mg/Kg	☼	01/16/14 07:41	01/17/14 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	86		30 - 118	01/16/14 07:41	01/17/14 14:59	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0028	U	0.011	0.0028	mg/Kg	☼	01/16/14 07:47	01/20/14 14:25	1
PCB-1221	0.0096	U	0.011	0.0096	mg/Kg	☼	01/16/14 07:47	01/20/14 14:25	1
PCB-1232	0.010	U	0.011	0.010	mg/Kg	☼	01/16/14 07:47	01/20/14 14:25	1
PCB-1242	0.0064	U	0.011	0.0064	mg/Kg	☼	01/16/14 07:47	01/20/14 14:25	1
PCB-1248	0.0021	U	0.011	0.0021	mg/Kg	☼	01/16/14 07:47	01/20/14 14:25	1
PCB-1254	0.0036	U	0.011	0.0036	mg/Kg	☼	01/16/14 07:47	01/20/14 14:25	1
PCB-1260	0.0039	U	0.011	0.0039	mg/Kg	☼	01/16/14 07:47	01/20/14 14:25	1

TestAmerica Pensacola

Client Sample Results

AR-002989

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-01

Lab Sample ID: 400-85394-1

Date Collected: 01/11/14 12:30

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 77.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	49		30 - 150	01/16/14 07:47	01/20/14 14:25	1
Tetrachloro-m-xylene	67		43 - 142	01/16/14 07:47	01/20/14 14:25	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.28	U	0.70	0.28	mg/Kg	☼	01/16/14 08:27	01/22/14 17:55	1
Arsenic	7.8		0.70	0.56	mg/Kg	☼	01/16/14 08:27	01/23/14 13:02	1
Barium	53		1.4	0.28	mg/Kg	☼	01/16/14 08:27	01/22/14 17:55	1
Cadmium	0.46	I	0.70	0.14	mg/Kg	☼	01/16/14 08:27	01/22/14 17:55	1
Chromium	32		1.4	0.28	mg/Kg	☼	01/16/14 08:27	01/22/14 17:55	1
Lead	19		0.70	0.28	mg/Kg	☼	01/16/14 08:27	01/22/14 17:55	1
Selenium	0.56	U	1.4	0.56	mg/Kg	☼	01/16/14 08:27	01/22/14 17:55	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	V	0.019	0.011	mg/Kg	☼	01/16/14 09:57	01/20/14 15:09	1

Client Sample Results

AR-002990

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-02

Lab Sample ID: 400-85394-2

Date Collected: 01/11/14 12:45

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 80.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Acenaphthylene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Anthracene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Benzo[a]anthracene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Benzo[a]pyrene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Benzo[b]fluoranthene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Benzo[g,h,i]perylene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Benzo[k]fluoranthene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Chrysene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Dibenz[a,h]anthracene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Fluoranthene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Fluorene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Indeno[1,2,3-cd]pyrene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Naphthalene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Phenanthrene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
Pyrene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
1-Methylnaphthalene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5
2-Methylnaphthalene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 12:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		44 - 108	01/16/14 07:59	01/17/14 12:30	5
Nitrobenzene-d5 (Surr)	85		27 - 114	01/16/14 07:59	01/17/14 12:30	5
Terphenyl-d14 (Surr)	91		36 - 134	01/16/14 07:59	01/17/14 12:30	5

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.062	U	0.12	0.062	mg/Kg	☼	01/16/14 10:00	01/16/14 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	96		65 - 125	01/16/14 10:00	01/16/14 15:23	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	27		6.1	2.1	mg/Kg	☼	01/16/14 07:41	01/17/14 15:09	1
Oil Range Organics (C28-C35)	33		6.1	2.1	mg/Kg	☼	01/16/14 07:41	01/17/14 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	100		30 - 118	01/16/14 07:41	01/17/14 15:09	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0027	U	0.010	0.0027	mg/Kg	☼	01/16/14 07:47	01/20/14 14:50	1
PCB-1221	0.0092	U	0.010	0.0092	mg/Kg	☼	01/16/14 07:47	01/20/14 14:50	1
PCB-1232	0.0098	U	0.010	0.0098	mg/Kg	☼	01/16/14 07:47	01/20/14 14:50	1
PCB-1242	0.0061	U	0.010	0.0061	mg/Kg	☼	01/16/14 07:47	01/20/14 14:50	1
PCB-1248	0.0020	U	0.010	0.0020	mg/Kg	☼	01/16/14 07:47	01/20/14 14:50	1
PCB-1254	0.0034	U	0.010	0.0034	mg/Kg	☼	01/16/14 07:47	01/20/14 14:50	1
PCB-1260	0.0037	U	0.010	0.0037	mg/Kg	☼	01/16/14 07:47	01/20/14 14:50	1

TestAmerica Pensacola

Client Sample Results

AR-002991

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-02

Lab Sample ID: 400-85394-2

Date Collected: 01/11/14 12:45

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 80.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		30 - 150	01/16/14 07:47	01/20/14 14:50	1
Tetrachloro-m-xylene	96		43 - 142	01/16/14 07:47	01/20/14 14:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.25	U	0.63	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:12	1
Arsenic	2.6		0.63	0.51	mg/Kg	☼	01/16/14 08:27	01/27/14 12:30	1
Barium	57		1.3	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:12	1
Cadmium	0.26	I	0.63	0.13	mg/Kg	☼	01/16/14 08:27	01/22/14 18:12	1
Chromium	33		1.3	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:12	1
Lead	26		0.63	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:12	1
Selenium	0.74	I	1.3	0.51	mg/Kg	☼	01/16/14 08:27	01/22/14 18:12	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051	V	0.019	0.012	mg/Kg	☼	01/16/14 09:57	01/20/14 15:16	1

TestAmerica Pensacola

Client Sample Results

AR-002992

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-03

Lab Sample ID: 400-85394-3

Date Collected: 01/11/14 13:45

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 74.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Acenaphthylene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Anthracene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Benzo[a]anthracene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Benzo[a]pyrene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Benzo[b]fluoranthene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Benzo[g,h,i]perylene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Benzo[k]fluoranthene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Chrysene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Dibenz[a,h]anthracene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Fluoranthene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Fluorene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Naphthalene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Phenanthrene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
Pyrene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
1-Methylnaphthalene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1
2-Methylnaphthalene	0.013	U	0.44	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		44 - 108	01/16/14 07:59	01/17/14 13:04	1
Nitrobenzene-d5 (Surr)	84		27 - 114	01/16/14 07:59	01/17/14 13:04	1
Terphenyl-d14 (Surr)	77		36 - 134	01/16/14 07:59	01/17/14 13:04	1

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.059	U	0.12	0.059	mg/Kg	☼	01/16/14 10:00	01/16/14 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	100		65 - 125	01/16/14 10:00	01/16/14 15:51	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4.1	I V	6.7	2.3	mg/Kg	☼	01/16/14 07:41	01/17/14 15:19	1
Oil Range Organics (C28-C35)	3.6	I V	6.7	2.3	mg/Kg	☼	01/16/14 07:41	01/17/14 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	94		30 - 118	01/16/14 07:41	01/17/14 15:19	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0029	U	0.011	0.0029	mg/Kg	☼	01/16/14 07:47	01/20/14 15:15	1
PCB-1221	0.010	U	0.011	0.010	mg/Kg	☼	01/16/14 07:47	01/20/14 15:15	1
PCB-1232	0.011	U	0.011	0.011	mg/Kg	☼	01/16/14 07:47	01/20/14 15:15	1
PCB-1242	0.0067	U	0.011	0.0067	mg/Kg	☼	01/16/14 07:47	01/20/14 15:15	1
PCB-1248	0.0022	U	0.011	0.0022	mg/Kg	☼	01/16/14 07:47	01/20/14 15:15	1
PCB-1254	0.0037	U	0.011	0.0037	mg/Kg	☼	01/16/14 07:47	01/20/14 15:15	1
PCB-1260	0.0041	U	0.011	0.0041	mg/Kg	☼	01/16/14 07:47	01/20/14 15:15	1

TestAmerica Pensacola

Client Sample Results

AR-002993

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-03

Lab Sample ID: 400-85394-3

Date Collected: 01/11/14 13:45

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 74.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	48		30 - 150	01/16/14 07:47	01/20/14 15:15	1
Tetrachloro-m-xylene	75		43 - 142	01/16/14 07:47	01/20/14 15:15	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.25	U	0.62	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:16	1
Arsenic	5.7		0.62	0.50	mg/Kg	☼	01/16/14 08:27	01/23/14 13:09	1
Barium	95		1.2	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:16	1
Cadmium	0.26	I	0.62	0.12	mg/Kg	☼	01/16/14 08:27	01/22/14 18:16	1
Chromium	39		1.2	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:16	1
Lead	8.0		0.62	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:16	1
Selenium	0.50	U	1.2	0.50	mg/Kg	☼	01/16/14 08:27	01/22/14 18:16	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036	V	0.021	0.012	mg/Kg	☼	01/16/14 09:57	01/20/14 15:19	1

Client Sample Results

AR-002994

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-04

Lab Sample ID: 400-85394-4

Date Collected: 01/11/14 14:20

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 69.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.072	U	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Acenaphthylene	0.072	U	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Anthracene	0.072	U	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Benzo[a]anthracene	0.081	I	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Benzo[a]pyrene	0.11	I	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Benzo[b]fluoranthene	0.16	I	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Benzo[g,h,i]perylene	0.11	I	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Benzo[k]fluoranthene	0.072	U	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Chrysene	0.072	U	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Dibenz(a,h)anthracene	0.072	U	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Fluoranthene	0.28	I	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Fluorene	0.072	U	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Indeno[1,2,3-cd]pyrene	0.089	I	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Naphthalene	0.072	U	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Phenanthrene	0.17	I	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
Pyrene	0.30	I	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
1-Methylnaphthalene	0.072	U	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5
2-Methylnaphthalene	0.072	U	2.4	0.072	mg/Kg	☼	01/16/14 07:59	01/17/14 13:37	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		44 - 108	01/16/14 07:59	01/17/14 13:37	5
Nitrobenzene-d5 (Surr)	84		27 - 114	01/16/14 07:59	01/17/14 13:37	5
Terphenyl-d14 (Surr)	81		36 - 134	01/16/14 07:59	01/17/14 13:37	5

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.069	U	0.14	0.069	mg/Kg	☼	01/16/14 10:00	01/16/14 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	99		65 - 125	01/16/14 10:00	01/16/14 16:18	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	300		7.2	2.5	mg/Kg	☼	01/16/14 07:41	01/17/14 15:28	1
Oil Range Organics (C28-C35)	230		7.2	2.5	mg/Kg	☼	01/16/14 07:41	01/17/14 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	82		30 - 118	01/16/14 07:41	01/17/14 15:28	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0031	U	0.012	0.0031	mg/Kg	☼	01/16/14 07:47	01/20/14 15:40	1
PCB-1221	0.011	U	0.012	0.011	mg/Kg	☼	01/16/14 07:47	01/20/14 15:40	1
PCB-1232	0.011	U	0.012	0.011	mg/Kg	☼	01/16/14 07:47	01/20/14 15:40	1
PCB-1242	0.0071	U	0.012	0.0071	mg/Kg	☼	01/16/14 07:47	01/20/14 15:40	1
PCB-1248	0.0023	U	0.012	0.0023	mg/Kg	☼	01/16/14 07:47	01/20/14 15:40	1
PCB-1254	0.0040	U	0.012	0.0040	mg/Kg	☼	01/16/14 07:47	01/20/14 15:40	1
PCB-1260	0.0043	U	0.012	0.0043	mg/Kg	☼	01/16/14 07:47	01/20/14 15:40	1

TestAmerica Pensacola

Client Sample Results

AR-002995

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-04

Lab Sample ID: 400-85394-4

Date Collected: 01/11/14 14:20

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 69.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		30 - 150	01/16/14 07:47	01/20/14 15:40	1
Tetrachloro-m-xylene	72		43 - 142	01/16/14 07:47	01/20/14 15:40	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.55	U	1.4	0.55	mg/Kg	☼	01/16/14 08:27	01/22/14 18:19	2
Arsenic	19		3.4	2.7	mg/Kg	☼	01/16/14 08:27	01/24/14 16:07	5
Barium	120		2.7	0.55	mg/Kg	☼	01/16/14 08:27	01/22/14 18:19	2
Cadmium	2.1		1.4	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:19	2
Chromium	76		2.7	0.55	mg/Kg	☼	01/16/14 08:27	01/22/14 18:19	2
Lead	130		1.4	0.55	mg/Kg	☼	01/16/14 08:27	01/22/14 18:19	2
Selenium	1.1	U	2.7	1.1	mg/Kg	☼	01/16/14 08:27	01/22/14 18:19	2

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	V	0.021	0.013	mg/Kg	☼	01/16/14 09:57	01/20/14 15:20	1

Client Sample Results

AR-002996

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-05

Lab Sample ID: 400-85394-5

Date Collected: 01/11/14 14:50

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 76.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Acenaphthylene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Anthracene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Benzo[a]anthracene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Benzo[a]pyrene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Benzo[b]fluoranthene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Benzo[g,h,i]perylene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Benzo[k]fluoranthene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Chrysene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Dibenz[a,h]anthracene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Fluoranthene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Fluorene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Naphthalene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Phenanthrene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
Pyrene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
1-Methylnaphthalene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1
2-Methylnaphthalene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		44 - 108	01/16/14 07:59	01/17/14 14:11	1
Nitrobenzene-d5 (Surr)	87		27 - 114	01/16/14 07:59	01/17/14 14:11	1
Terphenyl-d14 (Surr)	82		36 - 134	01/16/14 07:59	01/17/14 14:11	1

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.065	U	0.13	0.065	mg/Kg	☼	01/16/14 10:00	01/16/14 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	102		65 - 125	01/16/14 10:00	01/16/14 16:46	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	10	V	6.5	2.2	mg/Kg	☼	01/16/14 07:41	01/17/14 15:38	1
Oil Range Organics (C28-C35)	12	V	6.5	2.2	mg/Kg	☼	01/16/14 07:41	01/17/14 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	97		30 - 118	01/16/14 07:41	01/17/14 15:38	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0028	U	0.011	0.0028	mg/Kg	☼	01/16/14 07:47	01/20/14 16:05	1
PCB-1221	0.0097	U	0.011	0.0097	mg/Kg	☼	01/16/14 07:47	01/20/14 16:05	1
PCB-1232	0.010	U	0.011	0.010	mg/Kg	☼	01/16/14 07:47	01/20/14 16:05	1
PCB-1242	0.0065	U	0.011	0.0065	mg/Kg	☼	01/16/14 07:47	01/20/14 16:05	1
PCB-1248	0.0021	U	0.011	0.0021	mg/Kg	☼	01/16/14 07:47	01/20/14 16:05	1
PCB-1254	0.0036	U	0.011	0.0036	mg/Kg	☼	01/16/14 07:47	01/20/14 16:05	1
PCB-1260	0.0039	U	0.011	0.0039	mg/Kg	☼	01/16/14 07:47	01/20/14 16:05	1

TestAmerica Pensacola

Client Sample Results

AR-002997

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-05

Lab Sample ID: 400-85394-5

Date Collected: 01/11/14 14:50

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 76.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		30 - 150	01/16/14 07:47	01/20/14 16:05	1
Tetrachloro-m-xylene	104		43 - 142	01/16/14 07:47	01/20/14 16:05	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.27	U	0.67	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:22	1
Arsenic	15		0.67	0.53	mg/Kg	☼	01/16/14 08:27	01/23/14 13:25	1
Barium	110		1.3	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:22	1
Cadmium	0.48	I	0.67	0.13	mg/Kg	☼	01/16/14 08:27	01/22/14 18:22	1
Chromium	52		1.3	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:22	1
Lead	37		0.67	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:22	1
Selenium	0.62	I	1.3	0.53	mg/Kg	☼	01/16/14 08:27	01/22/14 18:22	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.064	V	0.020	0.012	mg/Kg	☼	01/16/14 09:57	01/20/14 15:30	1

Client Sample Results

AR-002998

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-06

Lab Sample ID: 400-85394-6

Date Collected: 01/11/14 15:10

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 68.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.014	U	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Acenaphthylene	0.014	U	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Anthracene	0.014	U	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Benzo[a]anthracene	0.027	I	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Benzo[a]pyrene	0.046	I	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Benzo[b]fluoranthene	0.072	I	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Benzo[g,h,i]perylene	0.036	I	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Benzo[k]fluoranthene	0.027	I	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Chrysene	0.033	I	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Dibenz(a,h)anthracene	0.014	U	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Fluoranthene	0.11	I	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Fluorene	0.014	U	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Indeno[1,2,3-cd]pyrene	0.031	I	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Naphthalene	0.014	U	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Phenanthrene	0.018	I	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
Pyrene	0.11	I	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
1-Methylnaphthalene	0.014	U	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1
2-Methylnaphthalene	0.014	U	0.47	0.014	mg/Kg	☼	01/16/14 07:59	01/17/14 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		44 - 108	01/16/14 07:59	01/17/14 14:44	1
Nitrobenzene-d5 (Surr)	89		27 - 114	01/16/14 07:59	01/17/14 14:44	1
Terphenyl-d14 (Surr)	89		36 - 134	01/16/14 07:59	01/17/14 14:44	1

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.067	U	0.13	0.067	mg/Kg	☼	01/16/14 10:00	01/16/14 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	97		65 - 125	01/16/14 10:00	01/16/14 18:08	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	19	V	7.2	2.4	mg/Kg	☼	01/16/14 07:41	01/17/14 15:58	1
Oil Range Organics (C28-C35)	16	V	7.2	2.4	mg/Kg	☼	01/16/14 07:41	01/17/14 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	104		30 - 118	01/16/14 07:41	01/17/14 15:58	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0032	U	0.012	0.0032	mg/Kg	☼	01/16/14 07:47	01/20/14 16:55	1
PCB-1221	0.011	U	0.012	0.011	mg/Kg	☼	01/16/14 07:47	01/20/14 16:55	1
PCB-1232	0.011	U	0.012	0.011	mg/Kg	☼	01/16/14 07:47	01/20/14 16:55	1
PCB-1242	0.0072	U	0.012	0.0072	mg/Kg	☼	01/16/14 07:47	01/20/14 16:55	1
PCB-1248	0.0024	U	0.012	0.0024	mg/Kg	☼	01/16/14 07:47	01/20/14 16:55	1
PCB-1254	0.0040	U	0.012	0.0040	mg/Kg	☼	01/16/14 07:47	01/20/14 16:55	1
PCB-1260	0.0044	U	0.012	0.0044	mg/Kg	☼	01/16/14 07:47	01/20/14 16:55	1

TestAmerica Pensacola

Client Sample Results

AR-002999

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-06

Lab Sample ID: 400-85394-6

Date Collected: 01/11/14 15:10

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 68.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	142		30 - 150	01/16/14 07:47	01/20/14 16:55	1
Tetrachloro-m-xylene	74		43 - 142	01/16/14 07:47	01/20/14 16:55	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.27	U	0.68	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:25	1
Arsenic	42		0.68	0.55	mg/Kg	☼	01/16/14 08:27	01/23/14 13:29	1
Barium	79		1.4	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:25	1
Cadmium	1.1		0.68	0.14	mg/Kg	☼	01/16/14 08:27	01/22/14 18:25	1
Chromium	74		1.4	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:25	1
Lead	18		0.68	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:25	1
Selenium	0.63	I	1.4	0.55	mg/Kg	☼	01/16/14 08:27	01/22/14 18:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.057	V	0.022	0.013	mg/Kg	☼	01/16/14 09:57	01/20/14 15:31	1

Client Sample Results

AR-003000

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-01

Lab Sample ID: 400-85394-7

Date Collected: 01/11/14 16:10

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 52.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Acenaphthylene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Anthracene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Benzo[a]anthracene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Benzo[a]pyrene	0.12	I	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Benzo[b]fluoranthene	0.16	I	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Benzo[g,h,i]perylene	0.11	I	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Benzo[k]fluoranthene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Chrysene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Dibenz(a,h)anthracene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Fluoranthene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Fluorene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Indeno[1,2,3-cd]pyrene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Naphthalene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Phenanthrene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
Pyrene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
1-Methylnaphthalene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5
2-Methylnaphthalene	0.095	U	3.1	0.095	mg/Kg	☼	01/16/14 07:59	01/17/14 21:03	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	99		44 - 108	01/16/14 07:59	01/17/14 21:03	5
Nitrobenzene-d5 (Surr)	86		27 - 114	01/16/14 07:59	01/17/14 21:03	5
Terphenyl-d14 (Surr)	98		36 - 134	01/16/14 07:59	01/17/14 21:03	5

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.086	U	0.17	0.086	mg/Kg	☼	01/16/14 10:00	01/16/14 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	97		65 - 125	01/16/14 10:00	01/16/14 18:35	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	24	V	9.4	3.2	mg/Kg	☼	01/16/14 07:41	01/17/14 16:08	1
Oil Range Organics (C28-C35)	30		9.4	3.2	mg/Kg	☼	01/16/14 07:41	01/17/14 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	92		30 - 118	01/16/14 07:41	01/17/14 16:08	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0041	U	0.016	0.0041	mg/Kg	☼	01/16/14 07:47	01/20/14 17:20	1
PCB-1221	0.014	U	0.016	0.014	mg/Kg	☼	01/16/14 07:47	01/20/14 17:20	1
PCB-1232	0.015	U	0.016	0.015	mg/Kg	☼	01/16/14 07:47	01/20/14 17:20	1
PCB-1242	0.0094	U	0.016	0.0094	mg/Kg	☼	01/16/14 07:47	01/20/14 17:20	1
PCB-1248	0.0031	U	0.016	0.0031	mg/Kg	☼	01/16/14 07:47	01/20/14 17:20	1
PCB-1254	0.0053	U	0.016	0.0053	mg/Kg	☼	01/16/14 07:47	01/20/14 17:20	1
PCB-1260	0.0057	U	0.016	0.0057	mg/Kg	☼	01/16/14 07:47	01/20/14 17:20	1

TestAmerica Pensacola

Client Sample Results

AR-003001

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-01

Lab Sample ID: 400-85394-7

Date Collected: 01/11/14 16:10

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 52.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	30		30 - 150	01/16/14 07:47	01/20/14 17:20	1
Tetrachloro-m-xylene	44		43 - 142	01/16/14 07:47	01/20/14 17:20	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.42	U	1.0	0.42	mg/Kg	☼	01/16/14 08:27	01/22/14 18:38	1
Arsenic	2.6		1.0	0.83	mg/Kg	☼	01/16/14 08:27	01/27/14 12:33	1
Barium	71		2.1	0.42	mg/Kg	☼	01/16/14 08:27	01/22/14 18:38	1
Cadmium	0.31	I	1.0	0.21	mg/Kg	☼	01/16/14 08:27	01/22/14 18:38	1
Chromium	40		2.1	0.42	mg/Kg	☼	01/16/14 08:27	01/22/14 18:38	1
Lead	17		1.0	0.42	mg/Kg	☼	01/16/14 08:27	01/22/14 18:38	1
Selenium	0.83	U	2.1	0.83	mg/Kg	☼	01/16/14 08:27	01/22/14 18:38	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.071	V	0.029	0.017	mg/Kg	☼	01/16/14 09:57	01/20/14 15:33	1

Client Sample Results

AR-003002

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-02

Lab Sample ID: 400-85394-8

Date Collected: 01/13/14 10:15

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 82.4

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.024	U	0.12	0.024	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Chlorpyrifos	0.027	U	0.12	0.027	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Coumaphos	0.047	U	1.2	0.047	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Diazinon	0.054	U	0.24	0.054	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Dichlorvos	0.025	U	0.24	0.025	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Disulfoton	0.022	U	0.24	0.022	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Ethoprop	0.040	U	0.12	0.040	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Fensulfothion	0.040	U	1.2	0.040	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Fenthion	0.027	U	0.12	0.027	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Methyl parathion	0.027	U	0.12	0.027	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Mevinphos	0.047	U	0.24	0.047	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Phorate	0.036	U	0.12	0.036	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Ronnel	0.027	U	0.12	0.027	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Stirophos	0.065	U	0.12	0.065	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Terbutryn	0.030	U	0.12	0.030	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Tokuthion	0.076	U	0.12	0.076	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Dimethoate	0.030	U	0.24	0.030	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
EPN	0.029	U	0.24	0.029	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Ethyl Parathion	0.030	U	0.12	0.030	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Malathion	0.023	U	0.12	0.023	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Sulfotepp	0.024	U	0.12	0.024	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Famphur	0.031	U	0.24	0.031	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3
Thionazin	0.033	U	0.12	0.033	mg/Kg	☼	01/16/14 07:39	01/28/14 11:07	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	81		30 - 164	01/16/14 07:39	01/28/14 11:07	3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
Acenaphthylene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
Anthracene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
Benzo[a]anthracene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
Benzo[a]pyrene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/20/14 19:03	5
Benzo[b]fluoranthene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/20/14 19:03	5
Benzo[g,h,i]perylene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/20/14 19:03	5
Benzo[k]fluoranthene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/20/14 19:03	5
Chrysene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
Dibenz(a,h)anthracene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/20/14 19:03	5
Fluoranthene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
Fluorene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
Indeno[1,2,3-cd]pyrene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/20/14 19:03	5
Naphthalene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
Phenanthrene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
Pyrene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
1-Methylnaphthalene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5
2-Methylnaphthalene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 21:42	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95		44 - 108	01/16/14 07:59	01/17/14 21:42	5

TestAmerica Pensacola

Client Sample Results

AR-003003

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-02

Lab Sample ID: 400-85394-8

Date Collected: 01/13/14 10:15

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 82.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	85		27 - 114	01/16/14 07:59	01/17/14 21:42	5
Terphenyl-d14 (Surr)	105		36 - 134	01/16/14 07:59	01/17/14 21:42	5

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.054	U	0.11	0.054	mg/Kg	☼	01/16/14 10:00	01/16/14 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	94		65 - 125				01/16/14 10:00	01/16/14 19:03	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	37		6.0	2.0	mg/Kg	☼	01/16/14 07:41	01/22/14 12:56	1
Oil Range Organics (C28-C35)	65		6.0	2.0	mg/Kg	☼	01/16/14 07:41	01/22/14 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	93		30 - 118				01/16/14 07:41	01/22/14 12:56	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00060	U	0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
alpha-BHC	0.00049	U	0.010	0.00049	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
beta-BHC	0.00060	U	0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
delta-BHC	0.00042	U	0.010	0.00042	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
gamma-BHC (Lindane)	0.00060	U	0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
alpha-Chlordane	0.00060	U	0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
gamma-Chlordane	0.00058	U	0.010	0.00058	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
4,4'-DDD	0.020		0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
4,4'-DDE	0.016		0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
4,4'-DDT	0.0074	I	0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Dieldrin	0.0082	I	0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Endosulfan I	0.00096	U	0.010	0.00096	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Endosulfan II	0.00050	U	0.010	0.00050	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Endosulfan sulfate	0.0016	U	0.010	0.0016	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Endrin	0.00047	U	0.010	0.00047	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Endrin aldehyde	0.00060	U	0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Endrin ketone	0.00060	U	0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Heptachlor	0.00060	U	0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Heptachlor epoxide	0.00060	U	0.010	0.00060	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Methoxychlor	0.0017	U	0.010	0.0017	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Toxaphene	0.10	U	0.60	0.10	mg/Kg	☼	01/16/14 07:47	01/20/14 18:24	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		47 - 148				01/16/14 07:47	01/20/14 18:24	10
Tetrachloro-m-xylene	68		65 - 134				01/16/14 07:47	01/20/14 18:24	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.026	U	0.10	0.026	mg/Kg	☼	01/16/14 07:47	01/20/14 17:45	10
PCB-1221	0.090	U	0.10	0.090	mg/Kg	☼	01/16/14 07:47	01/20/14 17:45	10

TestAmerica Pensacola

Client Sample Results

AR-003004

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-02

Lab Sample ID: 400-85394-8

Date Collected: 01/13/14 10:15

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 82.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	0.096	U	0.10	0.096	mg/Kg	☼	01/16/14 07:47	01/20/14 17:45	10
PCB-1242	0.060	U	0.10	0.060	mg/Kg	☼	01/16/14 07:47	01/20/14 17:45	10
PCB-1248	0.020	U	0.10	0.020	mg/Kg	☼	01/16/14 07:47	01/20/14 17:45	10
PCB-1254	0.034	U	0.10	0.034	mg/Kg	☼	01/16/14 07:47	01/20/14 17:45	10
PCB-1260	0.037	U	0.10	0.037	mg/Kg	☼	01/16/14 07:47	01/20/14 17:45	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	19	J1	30 - 150	01/16/14 07:47	01/20/14 17:45	10
Tetrachloro-m-xylene	79		43 - 142	01/16/14 07:47	01/20/14 17:45	10

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.066	U	1.2	0.066	mg/Kg	☼	01/21/14 08:33	01/23/14 20:55	5
2,4-DB	0.042	U	0.090	0.042	mg/Kg	☼	01/21/14 08:33	01/23/14 20:55	5
2,4,5-T	0.020	U	0.24	0.020	mg/Kg	☼	01/21/14 08:33	01/23/14 20:55	5
Silvex (2,4,5-TP)	0.10	U	0.24	0.10	mg/Kg	☼	01/21/14 08:33	01/23/14 20:55	5
Dalapon	0.43	U	7.2	0.43	mg/Kg	☼	01/21/14 08:33	01/23/14 20:55	5
Dicamba	0.0072	U	0.36	0.0072	mg/Kg	☼	01/21/14 08:33	01/23/14 20:55	5
Dichlorprop	0.020	U	0.78	0.020	mg/Kg	☼	01/21/14 08:33	01/23/14 20:55	5
Dinoseb	0.026	U	1.2	0.026	mg/Kg	☼	01/21/14 08:33	01/23/14 20:55	5
MCPA	5.2	U	300	5.2	mg/Kg	☼	01/21/14 08:33	01/23/14 20:55	5
MCPP	2.4	U	300	2.4	mg/Kg	☼	01/21/14 08:33	01/23/14 20:55	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	62		10 - 150	01/21/14 08:33	01/23/14 20:55	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.25	U	0.61	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:42	1
Arsenic	1.4		0.61	0.49	mg/Kg	☼	01/16/14 08:27	01/27/14 12:36	1
Barium	31		1.2	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:42	1
Cadmium	0.12	U	0.61	0.12	mg/Kg	☼	01/16/14 08:27	01/22/14 18:42	1
Chromium	25		1.2	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:42	1
Lead	3.2		0.61	0.25	mg/Kg	☼	01/16/14 08:27	01/22/14 18:42	1
Selenium	0.49	U	1.2	0.49	mg/Kg	☼	01/16/14 08:27	01/22/14 18:42	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10	V	0.018	0.011	mg/Kg	☼	01/16/14 09:57	01/20/14 15:34	1

TestAmerica Pensacola

Client Sample Results

AR-003005

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-03

Lab Sample ID: 400-85394-9

Date Collected: 01/13/14 10:25

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 81.6

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.024	U	0.12	0.024	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Chlorpyrifos	0.027	U	0.12	0.027	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Coumaphos	0.048	U	1.2	0.048	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Diazinon	0.055	U	0.24	0.055	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Dichlorvos	0.025	U	0.24	0.025	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Disulfoton	0.023	U	0.24	0.023	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Ethoprop	0.040	U	0.12	0.040	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Fensulfothion	0.040	U	1.2	0.040	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Fenthion	0.028	U	0.12	0.028	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Methyl parathion	0.028	U	0.12	0.028	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Mevinphos	0.048	U	0.24	0.048	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Phorate	0.037	U	0.12	0.037	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Ronnel	0.027	U	0.12	0.027	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Stirophos	0.066	U	0.12	0.066	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Terbutryn	0.030	U	0.12	0.030	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Tokuthion	0.077	U	0.12	0.077	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Dimethoate	0.030	U	0.24	0.030	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
EPN	0.030	U	0.24	0.030	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Ethyl Parathion	0.031	U	0.12	0.031	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Malathion	0.023	U	0.12	0.023	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Sulfotepp	0.024	U	0.12	0.024	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Famphur	0.031	U	0.24	0.031	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3
Thionazin	0.034	U	0.12	0.034	mg/Kg	☼	01/16/14 07:39	01/28/14 11:40	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	83		30 - 164	01/16/14 07:39	01/28/14 11:40	3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Acenaphthylene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Anthracene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Benzo[a]anthracene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Benzo[a]pyrene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Benzo[b]fluoranthene	0.081	I	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Benzo[g,h,i]perylene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Benzo[k]fluoranthene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Chrysene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Dibenz(a,h)anthracene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Fluoranthene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Fluorene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Indeno[1,2,3-cd]pyrene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Naphthalene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Phenanthrene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
Pyrene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
1-Methylnaphthalene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5
2-Methylnaphthalene	0.061	U	2.0	0.061	mg/Kg	☼	01/16/14 07:59	01/17/14 22:20	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		44 - 108	01/16/14 07:59	01/17/14 22:20	5

TestAmerica Pensacola

Client Sample Results

AR-003006

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-03

Lab Sample ID: 400-85394-9

Date Collected: 01/13/14 10:25

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 81.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	83		27 - 114	01/16/14 07:59	01/17/14 22:20	5
Terphenyl-d14 (Surr)	105		36 - 134	01/16/14 07:59	01/17/14 22:20	5

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.055	U	0.11	0.055	mg/Kg	☼	01/16/14 10:00	01/16/14 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	99		65 - 125				01/16/14 10:00	01/16/14 19:31	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method 8010C - Nonhalogenated organics using GC/MS (modified Diesel Range Organics)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	17	V	6.1	2.1	mg/Kg	☼	01/16/14 07:41	01/22/14 13:05	1
Oil Range Organics (C28-C35)	36		6.1	2.1	mg/Kg	☼	01/16/14 07:41	01/22/14 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	96		30 - 118				01/16/14 07:41	01/22/14 13:05	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00061	U	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
alpha-BHC	0.00050	U	0.010	0.00050	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
beta-BHC	0.00061	U	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
delta-BHC	0.00042	U	0.010	0.00042	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
gamma-BHC (Lindane)	0.00061	U	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
alpha-Chlordane	0.00061	U	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
gamma-Chlordane	0.00059	U	0.010	0.00059	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
4,4'-DDD	0.00061	U	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
4,4'-DDE	0.0059	I	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
4,4'-DDT	0.0027	I	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Dieldrin	0.00061	U	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Endosulfan I	0.00097	U	0.010	0.00097	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Endosulfan II	0.00050	U	0.010	0.00050	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Endosulfan sulfate	0.0016	U	0.010	0.0016	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Endrin	0.00047	U	0.010	0.00047	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Endrin aldehyde	0.00061	U	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Endrin ketone	0.00061	U	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Heptachlor	0.00061	U	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Heptachlor epoxide	0.00061	U	0.010	0.00061	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Methoxychlor	0.0018	U	0.010	0.0018	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Toxaphene	0.10	U	0.61	0.10	mg/Kg	☼	01/16/14 07:47	01/20/14 17:52	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		47 - 148				01/16/14 07:47	01/20/14 17:52	10
Tetrachloro-m-xylene	68		65 - 134				01/16/14 07:47	01/20/14 17:52	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0027	U	0.010	0.0027	mg/Kg	☼	01/16/14 07:47	01/20/14 18:10	1
PCB-1221	0.0091	U	0.010	0.0091	mg/Kg	☼	01/16/14 07:47	01/20/14 18:10	1

TestAmerica Pensacola

Client Sample Results

AR-003007

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-03

Lab Sample ID: 400-85394-9

Date Collected: 01/13/14 10:25

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 81.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	0.0097	U	0.010	0.0097	mg/Kg	☼	01/16/14 07:47	01/20/14 18:10	1
PCB-1242	0.0061	U	0.010	0.0061	mg/Kg	☼	01/16/14 07:47	01/20/14 18:10	1
PCB-1248	0.0020	U	0.010	0.0020	mg/Kg	☼	01/16/14 07:47	01/20/14 18:10	1
PCB-1254	0.0034	U	0.010	0.0034	mg/Kg	☼	01/16/14 07:47	01/20/14 18:10	1
PCB-1260	0.0037	U	0.010	0.0037	mg/Kg	☼	01/16/14 07:47	01/20/14 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		30 - 150	01/16/14 07:47	01/20/14 18:10	1
Tetrachloro-m-xylene	107		43 - 142	01/16/14 07:47	01/20/14 18:10	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.027	U	0.48	0.027	mg/Kg	☼	01/21/14 08:33	01/23/14 21:19	2
2,4-DB	0.017	U	0.036	0.017	mg/Kg	☼	01/21/14 08:33	01/23/14 21:19	2
2,4,5-T	0.0082	U	0.097	0.0082	mg/Kg	☼	01/21/14 08:33	01/23/14 21:19	2
Silvex (2,4,5-TP)	0.041	U	0.097	0.041	mg/Kg	☼	01/21/14 08:33	01/23/14 21:19	2
Dalapon	0.17	U	2.9	0.17	mg/Kg	☼	01/21/14 08:33	01/23/14 21:19	2
Dicamba	0.0029	U	0.14	0.0029	mg/Kg	☼	01/21/14 08:33	01/23/14 21:19	2
Dichlorprop	0.0080	U	0.31	0.0080	mg/Kg	☼	01/21/14 08:33	01/23/14 21:19	2
Dinoseb	0.010	U	0.48	0.010	mg/Kg	☼	01/21/14 08:33	01/23/14 21:19	2
MCPA	2.1	U	120	2.1	mg/Kg	☼	01/21/14 08:33	01/23/14 21:19	2
MCPP	0.97	U	120	0.97	mg/Kg	☼	01/21/14 08:33	01/23/14 21:19	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	61		10 - 150	01/21/14 08:33	01/23/14 21:19	2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.24	U	0.59	0.24	mg/Kg	☼	01/16/14 08:27	01/22/14 18:45	1
Arsenic	0.99		0.59	0.48	mg/Kg	☼	01/16/14 08:27	01/27/14 12:40	1
Barium	18		1.2	0.24	mg/Kg	☼	01/16/14 08:27	01/22/14 18:45	1
Cadmium	0.13	I	0.59	0.12	mg/Kg	☼	01/16/14 08:27	01/22/14 18:45	1
Chromium	16		1.2	0.24	mg/Kg	☼	01/16/14 08:27	01/22/14 18:45	1
Lead	6.7		0.59	0.24	mg/Kg	☼	01/16/14 08:27	01/22/14 18:45	1
Selenium	0.48	U	1.2	0.48	mg/Kg	☼	01/16/14 08:27	01/22/14 18:45	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	I V	0.018	0.011	mg/Kg	☼	01/16/14 09:57	01/20/14 15:36	1

TestAmerica Pensacola

Client Sample Results

AR-003008

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-04

Lab Sample ID: 400-85394-10

Date Collected: 01/13/14 14:00

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 76.0

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0086	U	0.043	0.0086	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Chlorpyrifos	0.0098	U	0.043	0.0098	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Coumaphos	0.017	U	0.43	0.017	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Diazinon	0.020	U	0.086	0.020	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Dichlorvos	0.0090	U	0.086	0.0090	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Disulfoton	0.0081	U	0.086	0.0081	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Ethoprop	0.014	U	0.043	0.014	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Fensulfothion	0.014	U	0.43	0.014	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Fenthion	0.0099	U	0.043	0.0099	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Methyl parathion	0.0099	U	0.043	0.0099	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Mevinphos	0.017	U	0.086	0.017	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Phorate	0.013	U	0.043	0.013	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Ronnel	0.0097	U	0.043	0.0097	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Stirophos	0.024	U	0.043	0.024	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Terbutryn	0.011	U	0.043	0.011	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Tokuthion	0.027	U	0.043	0.027	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Dimethoate	0.011	U	0.086	0.011	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
EPN	0.011	U	0.086	0.011	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Ethyl Parathion	0.011	U	0.043	0.011	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Malathion	0.0084	U	0.043	0.0084	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Sulfotepp	0.0086	U	0.043	0.0086	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Famphur	0.011	U	0.086	0.011	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1
Thionazin	0.012	U	0.043	0.012	mg/Kg	☼	01/16/14 07:39	01/28/14 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	73		30 - 164	01/16/14 07:39	01/28/14 12:13	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Acenaphthylene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Anthracene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Benzo[a]anthracene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Benzo[a]pyrene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Benzo[b]fluoranthene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Benzo[g,h,i]perylene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Benzo[k]fluoranthene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Chrysene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Dibenz(a,h)anthracene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Fluoranthene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Fluorene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Naphthalene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Phenanthrene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
Pyrene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
1-Methylnaphthalene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1
2-Methylnaphthalene	0.013	U	0.43	0.013	mg/Kg	☼	01/16/14 07:59	01/17/14 11:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		44 - 108	01/16/14 07:59	01/17/14 11:23	1

TestAmerica Pensacola

Client Sample Results

AR-003009

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-04

Lab Sample ID: 400-85394-10

Date Collected: 01/13/14 14:00

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 76.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		27 - 114	01/16/14 07:59	01/17/14 11:23	1
Terphenyl-d14 (Surr)	74		36 - 134	01/16/14 07:59	01/17/14 11:23	1

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.059	U	0.12	0.059	mg/Kg	☼	01/16/14 10:00	01/16/14 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	95		65 - 125				01/16/14 10:00	01/16/14 19:58	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.7	I V	6.5	2.2	mg/Kg	☼	01/16/14 07:41	01/17/14 14:29	1
Oil Range Organics (C28-C35)	2.6	I V	6.5	2.2	mg/Kg	☼	01/16/14 07:41	01/17/14 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	89		30 - 118				01/16/14 07:41	01/17/14 14:29	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
alpha-BHC	0.000054	U	0.0011	0.000054	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
beta-BHC	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
delta-BHC	0.000046	U	0.0011	0.000046	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
gamma-BHC (Lindane)	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
alpha-Chlordane	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
gamma-Chlordane	0.000064	U	0.0011	0.000064	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
4,4'-DDD	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
4,4'-DDE	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
4,4'-DDT	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Dieldrin	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Endosulfan I	0.00010	U	0.0011	0.00010	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Endosulfan II	0.000054	U	0.0011	0.000054	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Endosulfan sulfate	0.00017	U	0.0011	0.00017	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Endrin	0.000051	U	0.0011	0.000051	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Endrin aldehyde	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Endrin ketone	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Heptachlor	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Heptachlor epoxide	0.000066	U	0.0011	0.000066	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Methoxychlor	0.00019	U	0.0011	0.00019	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Toxaphene	0.011	U	0.066	0.011	mg/Kg	☼	01/16/14 07:47	01/20/14 17:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		47 - 148				01/16/14 07:47	01/20/14 17:21	1
Tetrachloro-m-xylene	80		65 - 134				01/16/14 07:47	01/20/14 17:21	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0029	U	0.011	0.0029	mg/Kg	☼	01/16/14 07:47	01/20/14 14:01	1
PCB-1221	0.0098	U	0.011	0.0098	mg/Kg	☼	01/16/14 07:47	01/20/14 14:01	1

TestAmerica Pensacola

Client Sample Results

AR-003010

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-04

Lab Sample ID: 400-85394-10

Date Collected: 01/13/14 14:00

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 76.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	0.010	U	0.011	0.010	mg/Kg	☼	01/16/14 07:47	01/20/14 14:01	1
PCB-1242	0.0066	U	0.011	0.0066	mg/Kg	☼	01/16/14 07:47	01/20/14 14:01	1
PCB-1248	0.0022	U	0.011	0.0022	mg/Kg	☼	01/16/14 07:47	01/20/14 14:01	1
PCB-1254	0.0037	U	0.011	0.0037	mg/Kg	☼	01/16/14 07:47	01/20/14 14:01	1
PCB-1260	0.0040	U	0.011	0.0040	mg/Kg	☼	01/16/14 07:47	01/20/14 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		30 - 150	01/16/14 07:47	01/20/14 14:01	1
Tetrachloro-m-xylene	95		43 - 142	01/16/14 07:47	01/20/14 14:01	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.014	U	0.26	0.014	mg/Kg	☼	01/21/14 08:33	01/23/14 21:43	1
2,4-DB	0.0091	U	0.019	0.0091	mg/Kg	☼	01/21/14 08:33	01/23/14 21:43	1
2,4,5-T	0.0044	U	0.052	0.0044	mg/Kg	☼	01/21/14 08:33	01/23/14 21:43	1
Silvex (2,4,5-TP)	0.022	U	0.052	0.022	mg/Kg	☼	01/21/14 08:33	01/23/14 21:43	1
Dalapon	0.092	U	1.6	0.092	mg/Kg	☼	01/21/14 08:33	01/23/14 21:43	1
Dicamba	0.0016	U	0.078	0.0016	mg/Kg	☼	01/21/14 08:33	01/23/14 21:43	1
Dichlorprop	0.0043	U	0.17	0.0043	mg/Kg	☼	01/21/14 08:33	01/23/14 21:43	1
Dinoseb	0.0056	U	0.26	0.0056	mg/Kg	☼	01/21/14 08:33	01/23/14 21:43	1
MCPA	1.1	U	65	1.1	mg/Kg	☼	01/21/14 08:33	01/23/14 21:43	1
MCPP	0.52	U	65	0.52	mg/Kg	☼	01/21/14 08:33	01/23/14 21:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	84		10 - 150	01/21/14 08:33	01/23/14 21:43	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.28	U	0.71	0.28	mg/Kg	☼	01/16/14 08:27	01/22/14 18:49	1
Arsenic	0.98		0.71	0.57	mg/Kg	☼	01/16/14 08:27	01/27/14 12:43	1
Barium	8.9		1.4	0.28	mg/Kg	☼	01/16/14 08:27	01/22/14 18:49	1
Cadmium	0.14	U	0.71	0.14	mg/Kg	☼	01/16/14 08:27	01/22/14 18:49	1
Chromium	4.2		1.4	0.28	mg/Kg	☼	01/16/14 08:27	01/22/14 18:49	1
Lead	1.5		0.71	0.28	mg/Kg	☼	01/16/14 08:27	01/22/14 18:49	1
Selenium	1.7		1.4	0.57	mg/Kg	☼	01/16/14 08:27	01/22/14 18:49	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	IV	0.019	0.011	mg/Kg	☼	01/16/14 09:57	01/20/14 15:37	1

TestAmerica Pensacola

Client Sample Results

AR-003011

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 04-SS-01

Lab Sample ID: 400-85394-11

Date Collected: 01/12/14 15:30

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 67.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Acenaphthylene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Anthracene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Benzo[a]anthracene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Benzo[a]pyrene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Benzo[b]fluoranthene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Benzo[g,h,i]perylene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Benzo[k]fluoranthene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Chrysene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Dibenz(a,h)anthracene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Fluoranthene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Fluorene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Indeno[1,2,3-cd]pyrene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Naphthalene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Phenanthrene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
Pyrene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
1-Methylnaphthalene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5
2-Methylnaphthalene	0.074	U	2.4	0.074	mg/Kg	☼	01/16/14 07:59	01/17/14 22:59	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		44 - 108	01/16/14 07:59	01/17/14 22:59	5
Nitrobenzene-d5 (Surr)	78		27 - 114	01/16/14 07:59	01/17/14 22:59	5
Terphenyl-d14 (Surr)	91		36 - 134	01/16/14 07:59	01/17/14 22:59	5

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	0.070	U	0.14	0.070	mg/Kg	☼	01/16/14 10:00	01/16/14 20:26	1
-C6-C10									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	94		65 - 125	01/16/14 10:00	01/16/14 20:26	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (C28-C35)	220		7.4	2.5	mg/Kg	☼	01/16/14 07:41	01/22/14 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	94		30 - 118	01/16/14 07:41	01/22/14 13:15	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.27	U	0.68	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:52	1
Arsenic	4.9		0.68	0.55	mg/Kg	☼	01/16/14 08:27	01/23/14 13:46	1
Barium	40		1.4	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:52	1
Cadmium	0.50	I	0.68	0.14	mg/Kg	☼	01/16/14 08:27	01/22/14 18:52	1
Chromium	37		1.4	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:52	1
Lead	41		0.68	0.27	mg/Kg	☼	01/16/14 08:27	01/22/14 18:52	1
Selenium	0.55	U	1.4	0.55	mg/Kg	☼	01/16/14 08:27	01/22/14 18:52	1

TestAmerica Pensacola

Client Sample Results

AR-003012

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 04-SS-01

Lab Sample ID: 400-85394-11

Date Collected: 01/12/14 15:30

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 67.3

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	V	0.023	0.014	mg/Kg	☼	01/16/14 09:57	01/20/14 15:38	1

Client Sample Results

AR-003013

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 04-SS-02

Lab Sample ID: 400-85394-12

Date Collected: 01/12/14 15:50

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 82.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Acenaphthylene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Anthracene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Benzo[a]anthracene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Benzo[a]pyrene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Benzo[b]fluoranthene	0.070	I	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Benzo[g,h,i]perylene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Benzo[k]fluoranthene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Chrysene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Dibenz[a,h]anthracene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Fluoranthene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Fluorene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Indeno[1,2,3-cd]pyrene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Naphthalene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Phenanthrene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
Pyrene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
1-Methylnaphthalene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5
2-Methylnaphthalene	0.060	U	2.0	0.060	mg/Kg	☼	01/16/14 07:59	01/17/14 23:38	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		44 - 108	01/16/14 07:59	01/17/14 23:38	5
Nitrobenzene-d5 (Surr)	75		27 - 114	01/16/14 07:59	01/17/14 23:38	5
Terphenyl-d14 (Surr)	95		36 - 134	01/16/14 07:59	01/17/14 23:38	5

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.092	I	0.11	0.055	mg/Kg	☼	01/16/14 10:00	01/16/14 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	99		65 - 125	01/16/14 10:00	01/16/14 20:53	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (C28-C35)	86		6.0	2.0	mg/Kg	☼	01/16/14 07:41	01/17/14 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	94		30 - 118	01/16/14 07:41	01/17/14 16:48	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.23	U	0.58	0.23	mg/Kg	☼	01/16/14 08:27	01/22/14 18:56	1
Arsenic	4.6		0.58	0.46	mg/Kg	☼	01/16/14 08:27	01/23/14 13:49	1
Barium	34		1.2	0.23	mg/Kg	☼	01/16/14 08:27	01/22/14 18:56	1
Cadmium	0.40	I	0.58	0.12	mg/Kg	☼	01/16/14 08:27	01/22/14 18:56	1
Chromium	27		1.2	0.23	mg/Kg	☼	01/16/14 08:27	01/22/14 18:56	1
Lead	16		0.58	0.23	mg/Kg	☼	01/16/14 08:27	01/22/14 18:56	1
Selenium	0.56	I	1.2	0.46	mg/Kg	☼	01/16/14 08:27	01/22/14 18:56	1

TestAmerica Pensacola

Client Sample Results

AR-003014

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 04-SS-02

Lab Sample ID: 400-85394-12

Date Collected: 01/12/14 15:50

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 82.6

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031	V	0.018	0.011	mg/Kg	☼	01/16/14 09:57	01/20/14 15:40	1

Definitions/Glossary

AR-003015

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.

Metals

Qualifier	Qualifier Description
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Glossary

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

TestAmerica Pensacola

Lab Chronicle

AR-003016

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-01

Date Collected: 01/11/14 12:30

Date Received: 01/15/14 09:17

Lab Sample ID: 400-85394-1

Matrix: Solid

Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		5	204819	01/17/14 11:57	KJA	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 14:53	GRK	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	204896	01/17/14 14:59	IDR	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205175	01/20/14 14:25	VC1	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:09	JAP	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 17:55	SLM	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205601	01/23/14 13:02	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Client Sample ID: 01-SS-02

Date Collected: 01/11/14 12:45

Date Received: 01/15/14 09:17

Lab Sample ID: 400-85394-2

Matrix: Solid

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		5	204819	01/17/14 12:30	KJA	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 15:23	GRK	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	204896	01/17/14 15:09	IDR	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205175	01/20/14 14:50	VC1	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:16	JAP	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 18:12	SLM	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205874	01/27/14 12:30	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Client Sample ID: 01-SS-03

Date Collected: 01/11/14 13:45

Date Received: 01/15/14 09:17

Lab Sample ID: 400-85394-3

Matrix: Solid

Percent Solids: 74.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		1	204819	01/17/14 13:04	KJA	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003017

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-03

Lab Sample ID: 400-85394-3

Date Collected: 01/11/14 13:45

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 74.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015C		1	204737	01/16/14 15:51	GRK	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	204896	01/17/14 15:19	IDR	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205175	01/20/14 15:15	VC1	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:19	JAP	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 18:16	SLM	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205601	01/23/14 13:09	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Client Sample ID: 01-SS-04

Lab Sample ID: 400-85394-4

Date Collected: 01/11/14 14:20

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 69.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		5	204819	01/17/14 13:37	KJA	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 16:18	GRK	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	204896	01/17/14 15:28	IDR	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205175	01/20/14 15:40	VC1	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:20	JAP	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		2	205442	01/22/14 18:19	SLM	TAL PEN
Total/NA	Analysis	6010C		5	205781	01/24/14 16:07	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Client Sample ID: 01-SS-05

Lab Sample ID: 400-85394-5

Date Collected: 01/11/14 14:50

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		1	204819	01/17/14 14:11	KJA	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 16:46	GRK	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	204896	01/17/14 15:38	IDR	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003018

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SS-05

Lab Sample ID: 400-85394-5

Date Collected: 01/11/14 14:50

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205175	01/20/14 16:05	VC1	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:30	JAP	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 18:22	SLM	TAL PEN
Total/NA	Analysis	6010C		1	205601	01/23/14 13:25	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Client Sample ID: 01-SS-06

Lab Sample ID: 400-85394-6

Date Collected: 01/11/14 15:10

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 68.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		1	204819	01/17/14 14:44	KJA	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 18:08	GRK	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	204896	01/17/14 15:58	IDR	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205175	01/20/14 16:55	VC1	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:31	JAP	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 18:25	SLM	TAL PEN
Total/NA	Analysis	6010C		1	205601	01/23/14 13:29	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Client Sample ID: 01-SD-01

Lab Sample ID: 400-85394-7

Date Collected: 01/11/14 16:10

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 52.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		5	204822	01/17/14 21:03	AJR	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 18:35	GRK	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	204896	01/17/14 16:08	IDR	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205175	01/20/14 17:20	VC1	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003019

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-01

Lab Sample ID: 400-85394-7

Date Collected: 01/11/14 16:10

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 52.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	205114	01/20/14 15:33	JAP	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 18:38	SLM	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205874	01/27/14 12:33	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Client Sample ID: 01-SD-02

Lab Sample ID: 400-85394-8

Date Collected: 01/13/14 10:15

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		5	204822	01/17/14 21:42	AJR	TAL PEN
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		5	204991	01/20/14 19:03	KJA	TAL PEN
Total/NA	Prep	3550B			204693	01/16/14 07:39	RDT	TAL PEN
Total/NA	Analysis	8141A		3	205696	01/28/14 11:07	AJR	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 19:03	GRK	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8081B		10	205151	01/20/14 18:24	VC1	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8082A		10	205175	01/20/14 17:45	VC1	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	205347	01/22/14 12:56	IDR	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		5	205585	01/23/14 20:55	VC1	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:34	JAP	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 18:42	SLM	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205874	01/27/14 12:36	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Client Sample ID: 01-SD-03

Lab Sample ID: 400-85394-9

Date Collected: 01/13/14 10:25

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		5	204822	01/17/14 22:20	AJR	TAL PEN
Total/NA	Prep	3550B			204693	01/16/14 07:39	RDT	TAL PEN
Total/NA	Analysis	8141A		3	205696	01/28/14 11:40	AJR	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003020

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 01-SD-03

Lab Sample ID: 400-85394-9

Date Collected: 01/13/14 10:25

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 19:31	GRK	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8081B		10	205151	01/20/14 17:52	VC1	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205175	01/20/14 18:10	VC1	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	205347	01/22/14 13:05	IDR	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		2	205585	01/23/14 21:19	VC1	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:36	JAP	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 18:45	SLM	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205874	01/27/14 12:40	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Client Sample ID: 01-SD-04

Lab Sample ID: 400-85394-10

Date Collected: 01/13/14 14:00

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		1	204819	01/17/14 11:23	KJA	TAL PEN
Total/NA	Prep	3550B			204693	01/16/14 07:39	RDT	TAL PEN
Total/NA	Analysis	8141A		1	205696	01/28/14 12:13	AJR	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 19:58	GRK	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	204896	01/17/14 14:29	IDR	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8081B		1	205151	01/20/14 17:21	VC1	TAL PEN
Total/NA	Prep	3550C			204698	01/16/14 07:47	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205175	01/20/14 14:01	VC1	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		1	205585	01/23/14 21:43	VC1	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:37	JAP	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 18:49	SLM	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205874	01/27/14 12:43	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003021

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Client Sample ID: 04-SS-01

Lab Sample ID: 400-85394-11

Date Collected: 01/12/14 15:30

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 67.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		5	204822	01/17/14 22:59	AJR	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 20:26	GRK	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	205347	01/22/14 13:15	IDR	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:38	JAP	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 18:52	SLM	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205601	01/23/14 13:46	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Client Sample ID: 04-SS-02

Lab Sample ID: 400-85394-12

Date Collected: 01/12/14 15:50

Matrix: Solid

Date Received: 01/15/14 09:17

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			204702	01/16/14 07:59	RDT	TAL PEN
Total/NA	Analysis	8270D		5	204822	01/17/14 23:38	AJR	TAL PEN
Total/NA	Prep	5035			204767	01/16/14 10:00	GRK	TAL PEN
Total/NA	Analysis	8015C		1	204737	01/16/14 20:53	GRK	TAL PEN
Total/NA	Prep	3550C			204695	01/16/14 07:41	RDT	TAL PEN
Total/NA	Analysis	8015C		1	204896	01/17/14 16:48	IDR	TAL PEN
Total/NA	Prep	7471B			204729	01/16/14 09:57	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205114	01/20/14 15:40	JAP	TAL PEN
Total/NA	Prep	3050B			204661	01/16/14 08:27	SLT	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 18:56	SLM	TAL PEN
Total/NA	Analysis	6010C		1	205601	01/23/14 13:49	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	204711	01/16/14 08:23	VC2	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TestAmerica Pensacola

QC Association Summary

AR-003022

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

GC/MS Semi VOA

Prep Batch: 204693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-8	01-SD-02	Total/NA	Solid	3550B	
400-85394-9	01-SD-03	Total/NA	Solid	3550B	
400-85394-10	01-SD-04	Total/NA	Solid	3550B	
400-85394-10 MS	01-SD-04	Total/NA	Solid	3550B	
400-85394-10 MSD	01-SD-04	Total/NA	Solid	3550B	
LCS 400-204693/6-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 400-204693/7-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 204702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	3550C	
400-85394-2	01-SS-02	Total/NA	Solid	3550C	
400-85394-3	01-SS-03	Total/NA	Solid	3550C	
400-85394-4	01-SS-04	Total/NA	Solid	3550C	
400-85394-5	01-SS-05	Total/NA	Solid	3550C	
400-85394-6	01-SS-06	Total/NA	Solid	3550C	
400-85394-7	01-SD-01	Total/NA	Solid	3550C	
400-85394-8	01-SD-02	Total/NA	Solid	3550C	
400-85394-9	01-SD-03	Total/NA	Solid	3550C	
400-85394-10	01-SD-04	Total/NA	Solid	3550C	
400-85394-10 MS	01-SD-04	Total/NA	Solid	3550C	
400-85394-10 MSD	01-SD-04	Total/NA	Solid	3550C	
400-85394-11	04-SS-01	Total/NA	Solid	3550C	
400-85394-12	04-SS-02	Total/NA	Solid	3550C	
LCS 400-204702/15-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 400-204702/16-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 204819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	8270D	204702
400-85394-2	01-SS-02	Total/NA	Solid	8270D	204702
400-85394-3	01-SS-03	Total/NA	Solid	8270D	204702
400-85394-4	01-SS-04	Total/NA	Solid	8270D	204702
400-85394-5	01-SS-05	Total/NA	Solid	8270D	204702
400-85394-6	01-SS-06	Total/NA	Solid	8270D	204702
400-85394-10	01-SD-04	Total/NA	Solid	8270D	204702
400-85394-10 MS	01-SD-04	Total/NA	Solid	8270D	204702
400-85394-10 MSD	01-SD-04	Total/NA	Solid	8270D	204702
LCS 400-204702/15-A	Lab Control Sample	Total/NA	Solid	8270D	204702
MB 400-204702/16-A	Method Blank	Total/NA	Solid	8270D	204702

Analysis Batch: 204822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-7	01-SD-01	Total/NA	Solid	8270D	204702
400-85394-8	01-SD-02	Total/NA	Solid	8270D	204702
400-85394-9	01-SD-03	Total/NA	Solid	8270D	204702
400-85394-11	04-SS-01	Total/NA	Solid	8270D	204702
400-85394-12	04-SS-02	Total/NA	Solid	8270D	204702

TestAmerica Pensacola

QC Association Summary

AR-003023

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

GC/MS Semi VOA (Continued)

Analysis Batch: 204991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-8	01-SD-02	Total/NA	Solid	8270D	204702

Analysis Batch: 205696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-8	01-SD-02	Total/NA	Solid	8141A	204693
400-85394-9	01-SD-03	Total/NA	Solid	8141A	204693
400-85394-10	01-SD-04	Total/NA	Solid	8141A	204693
400-85394-10 MS	01-SD-04	Total/NA	Solid	8141A	204693
400-85394-10 MSD	01-SD-04	Total/NA	Solid	8141A	204693
LCS 400-204693/6-A	Lab Control Sample	Total/NA	Solid	8141A	204693
MB 400-204693/7-A	Method Blank	Total/NA	Solid	8141A	204693

GC VOA

Analysis Batch: 204737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85390-A-3-B MS	Matrix Spike	Total/NA	Solid	8015C	204767
400-85390-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015C	204767
400-85394-1	01-SS-01	Total/NA	Solid	8015C	204767
400-85394-2	01-SS-02	Total/NA	Solid	8015C	204767
400-85394-3	01-SS-03	Total/NA	Solid	8015C	204767
400-85394-4	01-SS-04	Total/NA	Solid	8015C	204767
400-85394-5	01-SS-05	Total/NA	Solid	8015C	204767
400-85394-6	01-SS-06	Total/NA	Solid	8015C	204767
400-85394-7	01-SD-01	Total/NA	Solid	8015C	204767
400-85394-8	01-SD-02	Total/NA	Solid	8015C	204767
400-85394-9	01-SD-03	Total/NA	Solid	8015C	204767
400-85394-10	01-SD-04	Total/NA	Solid	8015C	204767
400-85394-11	04-SS-01	Total/NA	Solid	8015C	204767
400-85394-12	04-SS-02	Total/NA	Solid	8015C	204767
LCS 400-204767/2-A	Lab Control Sample	Total/NA	Solid	8015C	204767
MB 400-204767/1-A	Method Blank	Total/NA	Solid	8015C	204767

Prep Batch: 204767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85390-A-3-B MS	Matrix Spike	Total/NA	Solid	5035	
400-85390-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
400-85394-1	01-SS-01	Total/NA	Solid	5035	
400-85394-2	01-SS-02	Total/NA	Solid	5035	
400-85394-3	01-SS-03	Total/NA	Solid	5035	
400-85394-4	01-SS-04	Total/NA	Solid	5035	
400-85394-5	01-SS-05	Total/NA	Solid	5035	
400-85394-6	01-SS-06	Total/NA	Solid	5035	
400-85394-7	01-SD-01	Total/NA	Solid	5035	
400-85394-8	01-SD-02	Total/NA	Solid	5035	
400-85394-9	01-SD-03	Total/NA	Solid	5035	
400-85394-10	01-SD-04	Total/NA	Solid	5035	
400-85394-11	04-SS-01	Total/NA	Solid	5035	
400-85394-12	04-SS-02	Total/NA	Solid	5035	
LCS 400-204767/2-A	Lab Control Sample	Total/NA	Solid	5035	

TestAmerica Pensacola

QC Association Summary

AR-003024

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

GC VOA (Continued)

Prep Batch: 204767 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-204767/1-A	Method Blank	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 204695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	3550C	
400-85394-2	01-SS-02	Total/NA	Solid	3550C	
400-85394-3	01-SS-03	Total/NA	Solid	3550C	
400-85394-4	01-SS-04	Total/NA	Solid	3550C	
400-85394-5	01-SS-05	Total/NA	Solid	3550C	
400-85394-6	01-SS-06	Total/NA	Solid	3550C	
400-85394-7	01-SD-01	Total/NA	Solid	3550C	
400-85394-8	01-SD-02	Total/NA	Solid	3550C	
400-85394-9	01-SD-03	Total/NA	Solid	3550C	
400-85394-10	01-SD-04	Total/NA	Solid	3550C	
400-85394-10 MS	01-SD-04	Total/NA	Solid	3550C	
400-85394-10 MSD	01-SD-04	Total/NA	Solid	3550C	
400-85394-11	04-SS-01	Total/NA	Solid	3550C	
400-85394-12	04-SS-02	Total/NA	Solid	3550C	
LCS 400-204695/15-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 400-204695/16-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 204698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	3550C	
400-85394-2	01-SS-02	Total/NA	Solid	3550C	
400-85394-3	01-SS-03	Total/NA	Solid	3550C	
400-85394-4	01-SS-04	Total/NA	Solid	3550C	
400-85394-5	01-SS-05	Total/NA	Solid	3550C	
400-85394-6	01-SS-06	Total/NA	Solid	3550C	
400-85394-7	01-SD-01	Total/NA	Solid	3550C	
400-85394-8	01-SD-02	Total/NA	Solid	3550C	
400-85394-8	01-SD-02	Total/NA	Solid	3550C	
400-85394-9	01-SD-03	Total/NA	Solid	3550C	
400-85394-9	01-SD-03	Total/NA	Solid	3550C	
400-85394-10	01-SD-04	Total/NA	Solid	3550C	
400-85394-10	01-SD-04	Total/NA	Solid	3550C	
400-85394-10 MS	01-SD-04	Total/NA	Solid	3550C	
400-85394-10 MS	01-SD-04	Total/NA	Solid	3550C	
400-85394-10 MSD	01-SD-04	Total/NA	Solid	3550C	
400-85394-10 MSD	01-SD-04	Total/NA	Solid	3550C	
LCS 400-204698/18-A	Lab Control Sample	Total/NA	Solid	3550B	
LCS 400-204698/19-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 400-204698/20-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 204896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	8015C	204695
400-85394-2	01-SS-02	Total/NA	Solid	8015C	204695

TestAmerica Pensacola

QC Association Summary

AR-003025

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

GC Semi VOA (Continued)

Analysis Batch: 204896 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-3	01-SS-03	Total/NA	Solid	8015C	204695
400-85394-4	01-SS-04	Total/NA	Solid	8015C	204695
400-85394-5	01-SS-05	Total/NA	Solid	8015C	204695
400-85394-6	01-SS-06	Total/NA	Solid	8015C	204695
400-85394-7	01-SD-01	Total/NA	Solid	8015C	204695
400-85394-10	01-SD-04	Total/NA	Solid	8015C	204695
400-85394-10 MS	01-SD-04	Total/NA	Solid	8015C	204695
400-85394-10 MSD	01-SD-04	Total/NA	Solid	8015C	204695
400-85394-12	04-SS-02	Total/NA	Solid	8015C	204695
LCS 400-204695/15-A	Lab Control Sample	Total/NA	Solid	8015C	204695
MB 400-204695/16-A	Method Blank	Total/NA	Solid	8015C	204695

Prep Batch: 205142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-8	01-SD-02	Total/NA	Solid	8151A	
400-85394-9	01-SD-03	Total/NA	Solid	8151A	
400-85394-10	01-SD-04	Total/NA	Solid	8151A	
400-85591-B-6-B MS	Matrix Spike	Total/NA	Solid	8151A	
400-85591-B-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	
LCS 400-205142/17-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 400-205142/18-A	Method Blank	Total/NA	Solid	8151A	

Analysis Batch: 205151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-8	01-SD-02	Total/NA	Solid	8081B	204698
400-85394-9	01-SD-03	Total/NA	Solid	8081B	204698
400-85394-10	01-SD-04	Total/NA	Solid	8081B	204698
400-85394-10 MS	01-SD-04	Total/NA	Solid	8081B	204698
400-85394-10 MSD	01-SD-04	Total/NA	Solid	8081B	204698
LCS 400-204698/19-A	Lab Control Sample	Total/NA	Solid	8081B	204698
MB 400-204698/20-A	Method Blank	Total/NA	Solid	8081B	204698

Analysis Batch: 205175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	8082A	204698
400-85394-2	01-SS-02	Total/NA	Solid	8082A	204698
400-85394-3	01-SS-03	Total/NA	Solid	8082A	204698
400-85394-4	01-SS-04	Total/NA	Solid	8082A	204698
400-85394-5	01-SS-05	Total/NA	Solid	8082A	204698
400-85394-6	01-SS-06	Total/NA	Solid	8082A	204698
400-85394-7	01-SD-01	Total/NA	Solid	8082A	204698
400-85394-8	01-SD-02	Total/NA	Solid	8082A	204698
400-85394-9	01-SD-03	Total/NA	Solid	8082A	204698
400-85394-10	01-SD-04	Total/NA	Solid	8082A	204698
400-85394-10 MS	01-SD-04	Total/NA	Solid	8082A	204698
400-85394-10 MSD	01-SD-04	Total/NA	Solid	8082A	204698
LCS 400-204698/18-A	Lab Control Sample	Total/NA	Solid	8082A	204698
MB 400-204698/20-A	Method Blank	Total/NA	Solid	8082A	204698

TestAmerica Pensacola

QC Association Summary

AR-003026

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

GC Semi VOA (Continued)

Analysis Batch: 205347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-8	01-SD-02	Total/NA	Solid	8015C	204695
400-85394-9	01-SD-03	Total/NA	Solid	8015C	204695
400-85394-11	04-SS-01	Total/NA	Solid	8015C	204695

Analysis Batch: 205583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-B-6-B MS	Matrix Spike	Total/NA	Solid	8151A	205142
400-85591-B-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	205142
LCS 400-205142/17-A	Lab Control Sample	Total/NA	Solid	8151A	205142
MB 400-205142/18-A	Method Blank	Total/NA	Solid	8151A	205142

Analysis Batch: 205585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-8	01-SD-02	Total/NA	Solid	8151A	205142
400-85394-9	01-SD-03	Total/NA	Solid	8151A	205142
400-85394-10	01-SD-04	Total/NA	Solid	8151A	205142

Metals

Prep Batch: 204661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	3050B	
400-85394-1 MS	01-SS-01	Total/NA	Solid	3050B	
400-85394-1 MSD	01-SS-01	Total/NA	Solid	3050B	
400-85394-2	01-SS-02	Total/NA	Solid	3050B	
400-85394-3	01-SS-03	Total/NA	Solid	3050B	
400-85394-4	01-SS-04	Total/NA	Solid	3050B	
400-85394-5	01-SS-05	Total/NA	Solid	3050B	
400-85394-6	01-SS-06	Total/NA	Solid	3050B	
400-85394-7	01-SD-01	Total/NA	Solid	3050B	
400-85394-8	01-SD-02	Total/NA	Solid	3050B	
400-85394-9	01-SD-03	Total/NA	Solid	3050B	
400-85394-10	01-SD-04	Total/NA	Solid	3050B	
400-85394-11	04-SS-01	Total/NA	Solid	3050B	
400-85394-12	04-SS-02	Total/NA	Solid	3050B	
LCS 400-204661/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 400-204661/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 204729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	7471B	
400-85394-1 MS	01-SS-01	Total/NA	Solid	7471B	
400-85394-1 MSD	01-SS-01	Total/NA	Solid	7471B	
400-85394-2	01-SS-02	Total/NA	Solid	7471B	
400-85394-3	01-SS-03	Total/NA	Solid	7471B	
400-85394-4	01-SS-04	Total/NA	Solid	7471B	
400-85394-5	01-SS-05	Total/NA	Solid	7471B	
400-85394-6	01-SS-06	Total/NA	Solid	7471B	
400-85394-7	01-SD-01	Total/NA	Solid	7471B	
400-85394-8	01-SD-02	Total/NA	Solid	7471B	

TestAmerica Pensacola

QC Association Summary

AR-003027

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Metals (Continued)

Prep Batch: 204729 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-9	01-SD-03	Total/NA	Solid	7471B	
400-85394-10	01-SD-04	Total/NA	Solid	7471B	
400-85394-11	04-SS-01	Total/NA	Solid	7471B	
400-85394-12	04-SS-02	Total/NA	Solid	7471B	
LCS 400-204729/15-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 400-204729/14-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 205114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	7471B	204729
400-85394-1 MS	01-SS-01	Total/NA	Solid	7471B	204729
400-85394-1 MSD	01-SS-01	Total/NA	Solid	7471B	204729
400-85394-2	01-SS-02	Total/NA	Solid	7471B	204729
400-85394-3	01-SS-03	Total/NA	Solid	7471B	204729
400-85394-4	01-SS-04	Total/NA	Solid	7471B	204729
400-85394-5	01-SS-05	Total/NA	Solid	7471B	204729
400-85394-6	01-SS-06	Total/NA	Solid	7471B	204729
400-85394-7	01-SD-01	Total/NA	Solid	7471B	204729
400-85394-8	01-SD-02	Total/NA	Solid	7471B	204729
400-85394-9	01-SD-03	Total/NA	Solid	7471B	204729
400-85394-10	01-SD-04	Total/NA	Solid	7471B	204729
400-85394-11	04-SS-01	Total/NA	Solid	7471B	204729
400-85394-12	04-SS-02	Total/NA	Solid	7471B	204729
LCS 400-204729/15-A	Lab Control Sample	Total/NA	Solid	7471B	204729
MB 400-204729/14-A	Method Blank	Total/NA	Solid	7471B	204729

Analysis Batch: 205442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	6010C	204661
400-85394-1 MS	01-SS-01	Total/NA	Solid	6010C	204661
400-85394-1 MSD	01-SS-01	Total/NA	Solid	6010C	204661
400-85394-2	01-SS-02	Total/NA	Solid	6010C	204661
400-85394-3	01-SS-03	Total/NA	Solid	6010C	204661
400-85394-4	01-SS-04	Total/NA	Solid	6010C	204661
400-85394-5	01-SS-05	Total/NA	Solid	6010C	204661
400-85394-6	01-SS-06	Total/NA	Solid	6010C	204661
400-85394-7	01-SD-01	Total/NA	Solid	6010C	204661
400-85394-8	01-SD-02	Total/NA	Solid	6010C	204661
400-85394-9	01-SD-03	Total/NA	Solid	6010C	204661
400-85394-10	01-SD-04	Total/NA	Solid	6010C	204661
400-85394-11	04-SS-01	Total/NA	Solid	6010C	204661
400-85394-12	04-SS-02	Total/NA	Solid	6010C	204661
LCS 400-204661/2-A	Lab Control Sample	Total/NA	Solid	6010C	204661
MB 400-204661/1-A	Method Blank	Total/NA	Solid	6010C	204661

Analysis Batch: 205601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-1	01-SS-01	Total/NA	Solid	6010C	204661
400-85394-3	01-SS-03	Total/NA	Solid	6010C	204661
400-85394-5	01-SS-05	Total/NA	Solid	6010C	204661
400-85394-6	01-SS-06	Total/NA	Solid	6010C	204661

TestAmerica Pensacola

QC Association Summary

AR-003028

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Metals (Continued)

Analysis Batch: 205601 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-11	04-SS-01	Total/NA	Solid	6010C	204661
400-85394-12	04-SS-02	Total/NA	Solid	6010C	204661

Analysis Batch: 205781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-4	01-SS-04	Total/NA	Solid	6010C	204661

Analysis Batch: 205874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85394-2	01-SS-02	Total/NA	Solid	6010C	204661
400-85394-7	01-SD-01	Total/NA	Solid	6010C	204661
400-85394-8	01-SD-02	Total/NA	Solid	6010C	204661
400-85394-9	01-SD-03	Total/NA	Solid	6010C	204661
400-85394-10	01-SD-04	Total/NA	Solid	6010C	204661

General Chemistry

Analysis Batch: 204711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85238-A-1 DU	Duplicate	Total/NA	Solid	Moisture	
400-85394-1	01-SS-01	Total/NA	Solid	Moisture	
400-85394-2	01-SS-02	Total/NA	Solid	Moisture	
400-85394-3	01-SS-03	Total/NA	Solid	Moisture	
400-85394-4	01-SS-04	Total/NA	Solid	Moisture	
400-85394-5	01-SS-05	Total/NA	Solid	Moisture	
400-85394-6	01-SS-06	Total/NA	Solid	Moisture	
400-85394-7	01-SD-01	Total/NA	Solid	Moisture	
400-85394-8	01-SD-02	Total/NA	Solid	Moisture	
400-85394-9	01-SD-03	Total/NA	Solid	Moisture	
400-85394-10	01-SD-04	Total/NA	Solid	Moisture	
400-85394-11	04-SS-01	Total/NA	Solid	Moisture	
400-85394-12	04-SS-02	Total/NA	Solid	Moisture	

QC Sample Results

AR-003029

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Lab Sample ID: MB 400-204693/7-A

Matrix: Solid

Analysis Batch: 205696

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0066	U	0.033	0.0066	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Chlorpyrifos	0.0075	U	0.033	0.0075	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Coumaphos	0.013	U	0.33	0.013	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Diazinon	0.015	U	0.066	0.015	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Dichlorvos	0.0069	U	0.066	0.0069	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Disulfoton	0.0062	U	0.066	0.0062	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Ethoprop	0.011	U	0.033	0.011	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Fensulfothion	0.011	U	0.33	0.011	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Fenthion	0.0076	U	0.033	0.0076	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Methyl parathion	0.0076	U	0.033	0.0076	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Mevinphos	0.013	U	0.066	0.013	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Phorate	0.010	U	0.033	0.010	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Ronnel	0.0074	U	0.033	0.0074	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Stirophos	0.018	U	0.033	0.018	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Terbutryn	0.0083	U	0.033	0.0083	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Tokuthion	0.021	U	0.033	0.021	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Dimethoate	0.0082	U	0.066	0.0082	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
EPN	0.0081	U	0.066	0.0081	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Ethyl Parathion	0.0084	U	0.033	0.0084	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Malathion	0.0064	U	0.033	0.0064	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Sulfotepp	0.0066	U	0.033	0.0066	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Famphur	0.0085	U	0.066	0.0085	mg/Kg		01/16/14 07:39	01/28/14 10:01	1
Thionazin	0.0092	U	0.033	0.0092	mg/Kg		01/16/14 07:39	01/28/14 10:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	79		30 - 164	01/16/14 07:39	01/28/14 10:01	1

Lab Sample ID: LCS 400-204693/6-A

Matrix: Solid

Analysis Batch: 205696

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bolstar	0.0416	0.0403		mg/Kg		97	40 - 156
Chlorpyrifos	0.0416	0.0445		mg/Kg		107	22 - 130
Coumaphos	0.0416	0.0361	I	mg/Kg		87	51 - 147
Diazinon	0.0416	0.0424	I	mg/Kg		102	41 - 130
Dichlorvos	0.0416	0.0505	I	mg/Kg		121	10 - 130
Disulfoton	0.0416	0.0393	I	mg/Kg		94	10 - 134
Ethoprop	0.0416	0.0414		mg/Kg		100	30 - 130
Fensulfothion	0.0416	0.0397	I	mg/Kg		96	43 - 145
Fenthion	0.0416	0.0424		mg/Kg		102	10 - 130
Methyl parathion	0.0416	0.0372		mg/Kg		90	36 - 149
Mevinphos	0.0416	0.0432	I	mg/Kg		104	30 - 130
Phorate	0.0416	0.0399		mg/Kg		96	36 - 130
Ronnel	0.0416	0.0421		mg/Kg		101	30 - 130
Stirophos	0.0416	0.0376		mg/Kg		91	36 - 130
Terbutryn	0.166	0.167		mg/Kg		100	30 - 130
Tokuthion	0.0416	0.0393		mg/Kg		95	14 - 130

TestAmerica Pensacola

QC Sample Results

AR-003030

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 8141A - Organophosphorous Pesticides (GC/MS) (Continued)

Lab Sample ID: LCS 400-204693/6-A

Matrix: Solid

Analysis Batch: 205696

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethoate	0.0416	0.0417	I	mg/Kg		100	38 - 130
EPN	0.0416	0.0415	I	mg/Kg		100	48 - 124
Ethyl Parathion	0.0416	0.0449		mg/Kg		108	24 - 151
Malathion	0.0416	0.0462		mg/Kg		111	10 - 141
Sulfotepp	0.0416	0.0411		mg/Kg		99	13 - 171
Famphur	0.0416	0.0389	I	mg/Kg		94	10 - 130
Thionazin	0.0418	0.0496		mg/Kg		119	10 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	107		30 - 164

Lab Sample ID: 400-85394-10 MS

Matrix: Solid

Analysis Batch: 205696

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204693

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bolstar	0.0086	U	0.0543	0.0492		mg/Kg	☼	91	40 - 156
Chlorpyrifos	0.0098	U	0.0543	0.0541		mg/Kg	☼	100	22 - 130
Coumaphos	0.017	U	0.0543	0.0356	I	mg/Kg	☼	66	51 - 147
Diazinon	0.020	U	0.0543	0.0495	I	mg/Kg	☼	91	41 - 130
Dichlorvos	0.0090	U	0.0543	0.0395	I	mg/Kg	☼	73	10 - 130
Disulfoton	0.0081	U	0.0543	0.0412	I	mg/Kg	☼	76	10 - 134
Ethoprop	0.014	U	0.0543	0.0551		mg/Kg	☼	101	30 - 130
Fensulfothion	0.014	U	0.0543	0.0372	I	mg/Kg	☼	69	43 - 145
Fenthion	0.0099	U	0.0543	0.0500		mg/Kg	☼	92	10 - 128
Methyl parathion	0.0099	U	0.0543	0.0388	I	mg/Kg	☼	71	36 - 149
Mevinphos	0.017	U	0.0543	0.0405	I	mg/Kg	☼	75	30 - 130
Phorate	0.013	U	0.0543	0.0424	I	mg/Kg	☼	78	36 - 130
Ronnel	0.0097	U	0.0543	0.0447		mg/Kg	☼	82	30 - 130
Stirophos	0.024	U	0.0543	0.0247	I	mg/Kg	☼	46	36 - 126
Terbutryn	0.011	U	0.217	0.199		mg/Kg	☼	92	30 - 130
Tokuthion	0.027	U	0.0543	0.0413	I	mg/Kg	☼	76	14 - 130
Dimethoate	0.011	U	0.0543	0.0376	I	mg/Kg	☼	69	38 - 130
EPN	0.011	U	0.0543	0.0410	I	mg/Kg	☼	75	48 - 124
Ethyl Parathion	0.011	U	0.0543	0.0475		mg/Kg	☼	88	24 - 151
Malathion	0.0084	U	0.0543	0.0464		mg/Kg	☼	85	10 - 141
Sulfotepp	0.0086	U	0.0543	0.0477		mg/Kg	☼	88	13 - 171
Famphur	0.011	U	0.0543	0.0291	I	mg/Kg	☼	54	10 - 130
Thionazin	0.012	U	0.0546	0.0486		mg/Kg	☼	89	10 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
Triphenylphosphate	86		30 - 164

TestAmerica Pensacola

QC Sample Results

AR-003031

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 8141A - Organophosphorous Pesticides (GC/MS) (Continued)

Lab Sample ID: 400-85394-10 MSD

Matrix: Solid

Analysis Batch: 205696

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bolstar	0.0086	U	0.0545	0.0535		mg/Kg	☼	98	40 - 156	8	40
Chlorpyrifos	0.0098	U	0.0545	0.0570		mg/Kg	☼	104	22 - 130	5	40
Coumaphos	0.017	U	0.0545	0.0456	I	mg/Kg	☼	84	51 - 147	25	40
Diazinon	0.020	U	0.0545	0.0527	I	mg/Kg	☼	97	41 - 130	6	30
Dichlorvos	0.0090	U	0.0545	0.0585	I	mg/Kg	☼	107	10 - 130	39	40
Disulfoton	0.0081	U	0.0545	0.0444	I	mg/Kg	☼	81	10 - 134	8	93
Ethoprop	0.014	U	0.0545	0.0585		mg/Kg	☼	107	30 - 130	6	40
Fensulfothion	0.014	U	0.0545	0.0424	I	mg/Kg	☼	78	43 - 145	13	40
Fenthion	0.0099	U	0.0545	0.0548		mg/Kg	☼	100	10 - 128	9	60
Methyl parathion	0.0099	U	0.0545	0.0439		mg/Kg	☼	81	36 - 149	12	40
Mevinphos	0.017	U	0.0545	0.0525	I	mg/Kg	☼	96	30 - 130	26	40
Phorate	0.013	U	0.0545	0.0464		mg/Kg	☼	85	36 - 130	9	40
Ronnel	0.0097	U	0.0545	0.0514		mg/Kg	☼	94	30 - 130	14	40
Stirophos	0.024	U	0.0545	0.0371	I	mg/Kg	☼	68	36 - 126	40	40
Terbutryn	0.011	U	0.218	0.210		mg/Kg	☼	96	30 - 130	5	40
Tokuthion	0.027	U	0.0545	0.0539		mg/Kg	☼	99	14 - 130	26	40
Dimethoate	0.011	U	0.0545	0.0470	I	mg/Kg	☼	86	38 - 130	22	40
EPN	0.011	U	0.0545	0.0455	I	mg/Kg	☼	83	48 - 124	11	30
Ethyl Parathion	0.011	U	0.0545	0.0511		mg/Kg	☼	94	24 - 151	7	79
Malathion	0.0084	U	0.0545	0.0563		mg/Kg	☼	103	10 - 141	19	40
Sulfotepp	0.0086	U	0.0545	0.0501		mg/Kg	☼	92	13 - 171	5	65
Famphur	0.011	U	0.0545	0.0419	I	mg/Kg	☼	77	10 - 130	36	60
Thionazin	0.012	U	0.0548	0.0588		mg/Kg	☼	107	10 - 130	19	60

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Triphenylphosphate	85		30 - 164

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-204702/16-A

Matrix: Solid

Analysis Batch: 204819

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204702

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Acenaphthylene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Benzo[a]anthracene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Benzo[a]pyrene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Benzo[b]fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Benzo[g,h,i]perylene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Benzo[k]fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Chrysene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Dibenz(a,h)anthracene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Fluorene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Indeno[1,2,3-cd]pyrene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1

TestAmerica Pensacola

QC Sample Results

AR-003032

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-204702/16-A

Matrix: Solid

Analysis Batch: 204819

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204702

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Phenanthrene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
Pyrene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
1-Methylnaphthalene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1
2-Methylnaphthalene	0.010	U	0.33	0.010	mg/Kg		01/16/14 07:59	01/17/14 09:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	69		44 - 108	01/16/14 07:59	01/17/14 09:09	1
Nitrobenzene-d5 (Surr)	79		27 - 114	01/16/14 07:59	01/17/14 09:09	1
Terphenyl-d14 (Surr)	67		36 - 134	01/16/14 07:59	01/17/14 09:09	1

Lab Sample ID: LCS 400-204702/15-A

Matrix: Solid

Analysis Batch: 204819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.41		mg/Kg		84	62 - 120
Acenaphthylene	1.67	1.37		mg/Kg		82	61 - 120
Anthracene	1.67	1.37		mg/Kg		82	68 - 120
Benzo[a]anthracene	1.67	1.45		mg/Kg		87	67 - 120
Benzo[a]pyrene	1.67	1.50		mg/Kg		90	64 - 120
Benzo[b]fluoranthene	1.67	1.44		mg/Kg		87	58 - 121
Benzo[g,h,i]perylene	1.67	1.18		mg/Kg		71	49 - 151
Benzo[k]fluoranthene	1.67	1.64		mg/Kg		98	61 - 123
Chrysene	1.67	1.43		mg/Kg		86	65 - 120
Dibenz(a,h)anthracene	1.67	1.23		mg/Kg		74	58 - 130
Fluoranthene	1.67	1.48		mg/Kg		89	67 - 123
Fluorene	1.67	1.44		mg/Kg		86	64 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.24		mg/Kg		74	55 - 133
Naphthalene	1.67	1.31		mg/Kg		79	59 - 120
Phenanthrene	1.67	1.43		mg/Kg		86	62 - 130
Pyrene	1.67	1.38		mg/Kg		83	57 - 127
1-Methylnaphthalene	1.67	1.31		mg/Kg		78	66 - 120
2-Methylnaphthalene	1.67	1.32		mg/Kg		79	64 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	73		44 - 108
Nitrobenzene-d5 (Surr)	83		27 - 114
Terphenyl-d14 (Surr)	74		36 - 134

Lab Sample ID: 400-85394-10 MS

Matrix: Solid

Analysis Batch: 204819

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204702

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.013	U	2.18	1.85		mg/Kg	☼	85	10 - 150
Acenaphthylene	0.013	U	2.18	1.80		mg/Kg	☼	83	10 - 150
Anthracene	0.013	U	2.18	1.89		mg/Kg	☼	86	10 - 150

TestAmerica Pensacola

QC Sample Results

AR-003033

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-85394-10 MS

Matrix: Solid

Analysis Batch: 204819

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204702

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	0.013	U	2.18	2.04		mg/Kg	☼	94	10 - 150
Benzo[a]pyrene	0.013	U	2.18	2.12		mg/Kg	☼	97	10 - 150
Benzo[b]fluoranthene	0.013	U	2.18	2.10		mg/Kg	☼	96	10 - 150
Benzo[g,h,i]perylene	0.013	U	2.18	1.66		mg/Kg	☼	76	10 - 150
Benzo[k]fluoranthene	0.013	U	2.18	2.28		mg/Kg	☼	104	10 - 150
Chrysene	0.013	U	2.18	2.00		mg/Kg	☼	92	10 - 150
Dibenz(a,h)anthracene	0.013	U	2.18	1.73		mg/Kg	☼	79	32 - 111
Fluoranthene	0.013	U	2.18	2.11		mg/Kg	☼	97	10 - 150
Fluorene	0.013	U	2.18	1.92		mg/Kg	☼	88	10 - 150
Indeno[1,2,3-cd]pyrene	0.013	U	2.18	1.72		mg/Kg	☼	79	10 - 150
Naphthalene	0.013	U	2.18	1.71		mg/Kg	☼	79	10 - 150
Phenanthrene	0.013	U	2.18	1.98		mg/Kg	☼	91	10 - 150
Pyrene	0.013	U	2.18	1.89		mg/Kg	☼	87	10 - 150
1-Methylnaphthalene	0.013	U	2.18	1.71		mg/Kg	☼	78	10 - 150
2-Methylnaphthalene	0.013	U	2.18	1.71		mg/Kg	☼	79	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	71		44 - 108
Nitrobenzene-d5 (Surr)	80		27 - 114
Terphenyl-d14 (Surr)	77		36 - 134

Lab Sample ID: 400-85394-10 MSD

Matrix: Solid

Analysis Batch: 204819

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204702

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.013	U	2.17	1.60		mg/Kg	☼	74	10 - 150	15	36
Acenaphthylene	0.013	U	2.17	1.57		mg/Kg	☼	72	10 - 150	14	29
Anthracene	0.013	U	2.17	1.68		mg/Kg	☼	78	10 - 150	12	30
Benzo[a]anthracene	0.013	U	2.17	1.78		mg/Kg	☼	82	10 - 150	13	33
Benzo[a]pyrene	0.013	U	2.17	1.87		mg/Kg	☼	87	10 - 150	12	30
Benzo[b]fluoranthene	0.013	U	2.17	1.82		mg/Kg	☼	84	10 - 150	14	31
Benzo[g,h,i]perylene	0.013	U	2.17	1.42		mg/Kg	☼	66	10 - 150	15	30
Benzo[k]fluoranthene	0.013	U	2.17	2.06		mg/Kg	☼	95	10 - 150	10	29
Chrysene	0.013	U	2.17	1.77		mg/Kg	☼	82	10 - 150	12	33
Dibenz(a,h)anthracene	0.013	U	2.17	1.46		mg/Kg	☼	67	32 - 111	17	30
Fluoranthene	0.013	U	2.17	1.76		mg/Kg	☼	81	10 - 150	18	42
Fluorene	0.013	U	2.17	1.66		mg/Kg	☼	77	10 - 150	15	36
Indeno[1,2,3-cd]pyrene	0.013	U	2.17	1.48		mg/Kg	☼	69	10 - 150	15	31
Naphthalene	0.013	U	2.17	1.43		mg/Kg	☼	66	10 - 150	18	33
Phenanthrene	0.013	U	2.17	1.75		mg/Kg	☼	81	10 - 150	12	34
Pyrene	0.013	U	2.17	1.78		mg/Kg	☼	82	10 - 150	7	45
1-Methylnaphthalene	0.013	U	2.17	1.45		mg/Kg	☼	67	10 - 150	17	29
2-Methylnaphthalene	0.013	U	2.17	1.45		mg/Kg	☼	67	10 - 150	17	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	62		44 - 108

TestAmerica Pensacola

QC Sample Results

AR-003034

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-85394-10 MSD

Matrix: Solid

Analysis Batch: 204819

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204702

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	68		27 - 114
Terphenyl-d14 (Surr)	71		36 - 134

Method: 8015C - GRO by 8015C

Lab Sample ID: MB 400-204767/1-A

Matrix: Solid

Analysis Batch: 204737

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	0.050	U	0.10	0.050	mg/Kg		01/16/14 10:00	01/16/14 11:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	100		65 - 125				01/16/14 10:00	01/16/14 11:55	1

Lab Sample ID: LCS 400-204767/2-A

Matrix: Solid

Analysis Batch: 204737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C10	1.00	1.03		mg/Kg		103	62 - 141
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene (fid)	102		65 - 125				

Lab Sample ID: 400-85390-A-3-B MS

Matrix: Solid

Analysis Batch: 204737

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 204767

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C10	0.052	U	1.03	0.916		mg/Kg	✱	89	10 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
a,a,a-Trifluorotoluene (fid)	103		65 - 125						

Lab Sample ID: 400-85390-A-3-C MSD

Matrix: Solid

Analysis Batch: 204737

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 204767

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10	0.052	U	1.05	0.779		mg/Kg	✱	74	10 - 150	16	32

TestAmerica Pensacola

QC Sample Results

AR-003035

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 8015C - GRO by 8015C (Continued)

Lab Sample ID: 400-85390-A-3-C MSD

Matrix: Solid

Analysis Batch: 204737

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 204767

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
a,a,a-Trifluorotoluene (fid)	100		65 - 125

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Lab Sample ID: MB 400-204695/16-A

Matrix: Solid

Analysis Batch: 204896

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204695

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Oil Range Organics (C28-C35)	1.97	I	5.0	1.7	mg/Kg		01/16/14 07:41	01/17/14 14:10	1	
Diesel Range Organics [C10-C28]	2.69	I	5.0	1.7	mg/Kg		01/16/14 07:41	01/17/14 14:10	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
o-Terphenyl (Surr)	111		30 - 118				01/16/14 07:41	01/17/14 14:10	1	

Lab Sample ID: LCS 400-204695/15-A

Matrix: Solid

Analysis Batch: 204896

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204695

	Spike	LCS	LCS						%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Diesel Range Organics [C10-C28]	334	320		mg/Kg		96	61 - 136			
Surrogate	%Recovery	Qualifier	Limits							
o-Terphenyl (Surr)	95		30 - 118							

Lab Sample ID: 400-85394-10 MS

Matrix: Solid

Analysis Batch: 204896

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204695

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics [C10-C28]	3.7	I V	435	394		mg/Kg	☼	90	10 - 150	
Surrogate	%Recovery	Qualifier	Limits							
o-Terphenyl (Surr)	116		30 - 118							

Lab Sample ID: 400-85394-10 MSD

Matrix: Solid

Analysis Batch: 204896

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204695

	Sample	Sample	Spike	MSD	MSD				%Rec.	RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics [C10-C28]	3.7	I V	439	357		mg/Kg	☼	81	10 - 150	10	40
Surrogate	%Recovery	Qualifier	Limits								
o-Terphenyl (Surr)	89		30 - 118								

TestAmerica Pensacola

QC Sample Results

AR-003036

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 400-204698/20-A

Matrix: Solid

Analysis Batch: 205151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
alpha-BHC	0.000041	U	0.00085	0.000041	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
beta-BHC	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
delta-BHC	0.000035	U	0.00085	0.000035	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
gamma-BHC (Lindane)	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
alpha-Chlordane	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
gamma-Chlordane	0.000048	U	0.00085	0.000048	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
4,4'-DDD	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
4,4'-DDE	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
4,4'-DDT	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Dieldrin	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Endosulfan I	0.000080	U	0.00085	0.000080	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Endosulfan II	0.000041	U	0.00085	0.000041	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Endosulfan sulfate	0.00013	U	0.00085	0.00013	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Endrin	0.000039	U	0.00085	0.000039	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Endrin aldehyde	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Endrin ketone	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Heptachlor	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Heptachlor epoxide	0.000050	U	0.00085	0.000050	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Methoxychlor	0.00014	U	0.00085	0.00014	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Toxaphene	0.0085	U	0.050	0.0085	mg/Kg		01/16/14 07:53	01/20/14 15:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	98		47 - 148				01/16/14 07:53	01/20/14 15:14	1
Tetrachloro-m-xylene	98		65 - 134				01/16/14 07:53	01/20/14 15:14	1

Lab Sample ID: LCS 400-204698/19-A

Matrix: Solid

Analysis Batch: 205151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0166	0.0144		mg/Kg		87	58 - 150
alpha-BHC	0.0166	0.0152		mg/Kg		91	58 - 150
beta-BHC	0.0166	0.0148		mg/Kg		89	57 - 150
delta-BHC	0.0166	0.0161		mg/Kg		97	57 - 150
gamma-BHC (Lindane)	0.0166	0.0150		mg/Kg		90	51 - 150
alpha-Chlordane	0.0166	0.0138		mg/Kg		83	61 - 150
gamma-Chlordane	0.0166	0.0143		mg/Kg		86	60 - 150
4,4'-DDD	0.0166	0.0131		mg/Kg		79	56 - 150
4,4'-DDE	0.0166	0.0157		mg/Kg		94	64 - 150
4,4'-DDT	0.0166	0.0166		mg/Kg		100	52 - 150
Dieldrin	0.0166	0.0144		mg/Kg		87	66 - 150
Endosulfan I	0.0166	0.0122		mg/Kg		73	63 - 150
Endosulfan II	0.0166	0.0131		mg/Kg		79	61 - 150
Endosulfan sulfate	0.0166	0.0156		mg/Kg		94	55 - 150
Endrin	0.0166	0.0136		mg/Kg		81	65 - 150
Endrin aldehyde	0.0166	0.0130		mg/Kg		78	39 - 150
Endrin ketone	0.0166	0.0145		mg/Kg		87	53 - 150

TestAmerica Pensacola

QC Sample Results

AR-003037

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

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

Lab Sample ID: LCS 400-204698/19-A

Matrix: Solid

Analysis Batch: 205151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor	0.0166	0.0145		mg/Kg		87	58 - 150
Heptachlor epoxide	0.0166	0.0142		mg/Kg		86	64 - 150
Methoxychlor	0.0166	0.0162		mg/Kg		98	46 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	79		47 - 148
Tetrachloro-m-xylene	82		65 - 134

Lab Sample ID: 400-85394-10 MS

Matrix: Solid

Analysis Batch: 205151

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.000066	U	0.0216	0.0137		mg/Kg	☼	63	47 - 135
alpha-BHC	0.000054	U	0.0216	0.0142		mg/Kg	☼	66	61 - 126
beta-BHC	0.000066	U	0.0216	0.0164		mg/Kg	☼	76	53 - 129
delta-BHC	0.000046	U	0.0216	0.0174		mg/Kg	☼	80	59 - 138
gamma-BHC (Lindane)	0.000066	U	0.0216	0.0150		mg/Kg	☼	69	60 - 125
alpha-Chlordane	0.000066	U	0.0216	0.0150		mg/Kg	☼	69	10 - 150
gamma-Chlordane	0.000064	U	0.0216	0.0153		mg/Kg	☼	71	10 - 150
4,4'-DDD	0.000066	U	0.0216	0.0155		mg/Kg	☼	72	10 - 150
4,4'-DDE	0.000066	U	0.0216	0.0170		mg/Kg	☼	79	49 - 141
4,4'-DDT	0.000066	U	0.0216	0.0189		mg/Kg	☼	87	46 - 150
Dieldrin	0.000066	U	0.0216	0.0159		mg/Kg	☼	74	10 - 150
Endosulfan I	0.00010	U	0.0216	0.0132		mg/Kg	☼	61	10 - 150
Endosulfan II	0.000054	U	0.0216	0.0151		mg/Kg	☼	70	54 - 135
Endosulfan sulfate	0.00017	U	0.0216	0.00893	J3	mg/Kg	☼	41	54 - 144
Endrin	0.000051	U	0.0216	0.0151		mg/Kg	☼	70	55 - 146
Endrin aldehyde	0.000066	U	0.0216	0.00601	J3	mg/Kg	☼	28	50 - 150
Endrin ketone	0.000066	U	0.0216	0.0147		mg/Kg	☼	68	54 - 142
Heptachlor	0.000066	U	0.0216	0.0138		mg/Kg	☼	64	10 - 150
Heptachlor epoxide	0.000066	U	0.0216	0.0156		mg/Kg	☼	72	62 - 134
Methoxychlor	0.00019	U	0.0216	0.0182		mg/Kg	☼	85	50 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	69		47 - 148
Tetrachloro-m-xylene	53	J1	65 - 134

Lab Sample ID: 400-85394-10 MSD

Matrix: Solid

Analysis Batch: 205151

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204698

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aldrin	0.000066	U	0.0218	0.0186		mg/Kg	☼	85	47 - 135	30	66
alpha-BHC	0.000054	U	0.0218	0.0201	J3	mg/Kg	☼	93	61 - 126	34	19
beta-BHC	0.000066	U	0.0218	0.0210		mg/Kg	☼	96	53 - 129	25	30
delta-BHC	0.000046	U	0.0218	0.0234		mg/Kg	☼	107	59 - 138	29	31
gamma-BHC (Lindane)	0.000066	U	0.0218	0.0204	J3	mg/Kg	☼	94	60 - 125	31	25

TestAmerica Pensacola

QC Sample Results

AR-003038

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

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

Lab Sample ID: 400-85394-10 MSD

Matrix: Solid

Analysis Batch: 205151

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204698

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
alpha-Chlordane	0.000066	U	0.0218	0.0193		mg/Kg	☼	89	10 - 150	25	42
gamma-Chlordane	0.000064	U	0.0218	0.0198		mg/Kg	☼	91	10 - 150	26	46
4,4'-DDD	0.000066	U	0.0218	0.0206		mg/Kg	☼	95	10 - 150	28	106
4,4'-DDE	0.000066	U	0.0218	0.0225		mg/Kg	☼	103	49 - 141	28	55
4,4'-DDT	0.000066	U	0.0218	0.0252		mg/Kg	☼	116	46 - 150	29	39
Dieldrin	0.000066	U	0.0218	0.0205		mg/Kg	☼	94	10 - 150	25	38
Endosulfan I	0.00010	U	0.0218	0.0170		mg/Kg	☼	78	10 - 150	25	62
Endosulfan II	0.000054	U	0.0218	0.0196		mg/Kg	☼	90	54 - 135	26	30
Endosulfan sulfate	0.00017	U	0.0218	0.0105	J3	mg/Kg	☼	48	54 - 144	16	29
Endrin	0.000051	U	0.0218	0.0195		mg/Kg	☼	90	55 - 146	26	30
Endrin aldehyde	0.000066	U	0.0218	0.00703	J3	mg/Kg	☼	32	50 - 150	16	38
Endrin ketone	0.000066	U	0.0218	0.0186		mg/Kg	☼	86	54 - 142	24	28
Heptachlor	0.000066	U	0.0218	0.0189		mg/Kg	☼	87	10 - 150	31	33
Heptachlor epoxide	0.000066	U	0.0218	0.0197		mg/Kg	☼	90	62 - 134	23	26
Methoxychlor	0.00019	U	0.0218	0.0240		mg/Kg	☼	110	50 - 150	27	36

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	83		47 - 148
Tetrachloro-m-xylene	76		65 - 134

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 400-204698/20-A

Matrix: Solid

Analysis Batch: 205175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0022	U	0.0085	0.0022	mg/Kg		01/16/14 07:53	01/20/14 12:21	1
PCB-1221	0.0075	U	0.0085	0.0075	mg/Kg		01/16/14 07:53	01/20/14 12:21	1
PCB-1232	0.0080	U	0.0085	0.0080	mg/Kg		01/16/14 07:53	01/20/14 12:21	1
PCB-1242	0.0050	U	0.0085	0.0050	mg/Kg		01/16/14 07:53	01/20/14 12:21	1
PCB-1248	0.0016	U	0.0085	0.0016	mg/Kg		01/16/14 07:53	01/20/14 12:21	1
PCB-1254	0.0028	U	0.0085	0.0028	mg/Kg		01/16/14 07:53	01/20/14 12:21	1
PCB-1260	0.0030	U	0.0085	0.0030	mg/Kg		01/16/14 07:53	01/20/14 12:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		30 - 150	01/16/14 07:53	01/20/14 12:21	1
Tetrachloro-m-xylene	102		43 - 142	01/16/14 07:53	01/20/14 12:21	1

Lab Sample ID: LCS 400-204698/18-A

Matrix: Solid

Analysis Batch: 205175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.167	0.162		mg/Kg		97	54 - 126
PCB-1260	0.167	0.147		mg/Kg		88	56 - 139

TestAmerica Pensacola

QC Sample Results

AR-003039

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 400-204698/18-A

Matrix: Solid

Analysis Batch: 205175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204698

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	72		30 - 150
Tetrachloro-m-xylene	100		43 - 142

Lab Sample ID: 400-85394-10 MS

Matrix: Solid

Analysis Batch: 205175

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.0029	U	0.219	0.185		mg/Kg	☼	84	15 - 150
PCB-1260	0.0040	U	0.219	0.186		mg/Kg	☼	85	21 - 150

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	61		30 - 150
Tetrachloro-m-xylene	82		43 - 142

Lab Sample ID: 400-85394-10 MSD

Matrix: Solid

Analysis Batch: 205175

Client Sample ID: 01-SD-04

Prep Type: Total/NA

Prep Batch: 204698

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	0.0029	U	0.216	0.177		mg/Kg	☼	82	15 - 150	4	42
PCB-1260	0.0040	U	0.216	0.198		mg/Kg	☼	92	21 - 150	7	29

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	68		30 - 150
Tetrachloro-m-xylene	71		43 - 142

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 400-205142/18-A

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.011	U	0.20	0.011	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
2,4-DB	0.0070	U	0.015	0.0070	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
2,4,5-T	0.0034	U	0.040	0.0034	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Silvex (2,4,5-TP)	0.017	U	0.040	0.017	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dalapon	0.071	U	1.2	0.071	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dicamba	0.0012	U	0.060	0.0012	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dichlorprop	0.0033	U	0.13	0.0033	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dinoseb	0.0043	U	0.20	0.0043	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
MCPA	0.87	U	50	0.87	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
MCPP	0.40	U	50	0.40	mg/Kg		01/21/14 08:33	01/23/14 10:22	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				01/21/14 08:33	01/23/14 10:22	1
2,4-Dichlorophenylacetic acid	69		10 - 150				01/21/14 08:33	01/23/14 10:22	1

TestAmerica Pensacola

QC Sample Results

AR-003040

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 400-205142/17-A

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-DB	0.166	0.127		mg/Kg		77	16 - 117
2,4,5-T	0.0166	0.0139	I	mg/Kg		84	40 - 105
Silvex (2,4,5-TP)	0.0166	0.017	U	mg/Kg		91	34 - 97
Dalapon	0.416	0.343	I	mg/Kg		82	10 - 115
Dicamba	0.0166	0.0224	I	mg/Kg		135	10 - 141
Dichlorprop	0.166	0.156		mg/Kg		94	28 - 102
Dinoseb	0.0832	0.0488	I	mg/Kg		59	10 - 71
MCPA	16.6	13.7	I	mg/Kg		83	10 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	110		10 - 150

Lab Sample ID: 400-85591-B-6-B MS

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-DB	0.0079	U	0.187	0.0947		mg/Kg	☼	51	10 - 88
2,4,5-T	0.0038	U	0.0187	0.0115	I	mg/Kg	☼	62	10 - 107
Silvex (2,4,5-TP)	0.019	U	0.0187	0.019	U	mg/Kg	☼	NC	10 - 111
Dalapon	0.080	U	0.467	0.258	I	mg/Kg	☼	55	10 - 126
Dicamba	0.0014	U	0.0187	0.0153	I	mg/Kg	☼	82	10 - 150
Dichlorprop	0.0037	U	0.187	0.138	I	mg/Kg	☼	74	10 - 81
Dinoseb	0.0048	U	0.0934	0.0529	I	mg/Kg	☼	57	10 - 64
MCPA	0.98	U	18.7	13.0	I	mg/Kg	☼	70	10 - 101

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	95		10 - 150

Lab Sample ID: 400-85591-B-6-C MSD

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205142

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-DB	0.0079	U	0.188	0.0829		mg/Kg	☼	44	10 - 88	13	109
2,4,5-T	0.0038	U	0.0188	0.0108	I	mg/Kg	☼	57	10 - 107	7	121
Silvex (2,4,5-TP)	0.019	U	0.0188	0.019	U	mg/Kg	☼	NC	10 - 111	NC	102
Dalapon	0.080	U	0.471	0.317	I	mg/Kg	☼	67	10 - 126	20	76
Dicamba	0.0014	U	0.0188	0.0163	I	mg/Kg	☼	87	10 - 150	7	159
Dichlorprop	0.0037	U	0.188	0.133	I	mg/Kg	☼	71	10 - 81	3	96
Dinoseb	0.0048	U	0.0942	0.0397	I	mg/Kg	☼	42	10 - 64	29	99
MCPA	0.98	U	18.8	16.3	I	mg/Kg	☼	86	10 - 101	23	134

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	80		10 - 150

TestAmerica Pensacola

QC Sample Results

AR-003041

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 400-204661/1-A

Matrix: Solid

Analysis Batch: 205442

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204661

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.21	U	0.54	0.21	mg/Kg		01/16/14 08:27	01/22/14 17:39	1
Arsenic	0.43	U	0.54	0.43	mg/Kg		01/16/14 08:27	01/22/14 17:39	1
Barium	0.21	U	1.1	0.21	mg/Kg		01/16/14 08:27	01/22/14 17:39	1
Cadmium	0.11	U	0.54	0.11	mg/Kg		01/16/14 08:27	01/22/14 17:39	1
Chromium	0.21	U	1.1	0.21	mg/Kg		01/16/14 08:27	01/22/14 17:39	1
Lead	0.21	U	0.54	0.21	mg/Kg		01/16/14 08:27	01/22/14 17:39	1
Selenium	0.43	U	1.1	0.43	mg/Kg		01/16/14 08:27	01/22/14 17:39	1

Lab Sample ID: LCS 400-204661/2-A

Matrix: Solid

Analysis Batch: 205442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204661

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	44.3	40.6		mg/Kg		92	74 - 126
Arsenic	151	140		mg/Kg		93	81 - 120
Barium	262	251		mg/Kg		96	83 - 117
Cadmium	152	144		mg/Kg		95	82 - 118
Chromium	117	112		mg/Kg		96	79 - 121
Lead	254	256		mg/Kg		101	81 - 119
Selenium	162	144		mg/Kg		89	77 - 122

Lab Sample ID: 400-85394-1 MS

Matrix: Solid

Analysis Batch: 205442

Client Sample ID: 01-SS-01

Prep Type: Total/NA

Prep Batch: 204661

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.28		71.3	66.1		mg/Kg	✱	93	75 - 125
Arsenic	7.9		143	132		mg/Kg	✱	87	75 - 125
Barium	53		143	207		mg/Kg	✱	108	75 - 125
Cadmium	0.46		71.3	65.8		mg/Kg	✱	92	75 - 125
Chromium	32		143	154		mg/Kg	✱	86	75 - 125
Lead	19		143	171		mg/Kg	✱	107	75 - 125
Selenium	0.56		143	125		mg/Kg	✱	87	75 - 125

Lab Sample ID: 400-85394-1 MSD

Matrix: Solid

Analysis Batch: 205442

Client Sample ID: 01-SS-01

Prep Type: Total/NA

Prep Batch: 204661

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.28		69.5	65.2		mg/Kg	✱	94	75 - 125	1	20
Arsenic	7.9		139	129		mg/Kg	✱	87	75 - 125	2	20
Barium	53		139	195		mg/Kg	✱	102	75 - 125	6	20
Cadmium	0.46		69.5	64.7		mg/Kg	✱	92	75 - 125	2	20
Chromium	32		139	158		mg/Kg	✱	91	75 - 125	3	20
Lead	19		139	157		mg/Kg	✱	99	75 - 125	9	20
Selenium	0.56		139	121		mg/Kg	✱	87	75 - 125	3	20

TestAmerica Pensacola

QC Sample Results

AR-003042

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 400-204729/14-A

Matrix: Solid

Analysis Batch: 205114

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0235	I	0.035	0.021	mg/Kg		01/16/14 09:57	01/20/14 15:06	1

Lab Sample ID: LCS 400-204729/15-A

Matrix: Solid

Analysis Batch: 205114

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.76	6.43		mg/Kg		112	80 - 120

Lab Sample ID: 400-85394-1 MS

Matrix: Solid

Analysis Batch: 205114

Client Sample ID: 01-SS-01

Prep Type: Total/NA

Prep Batch: 204729

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.028	V	0.179	0.243		mg/Kg	☼	121	75 - 125

Lab Sample ID: 400-85394-1 MSD

Matrix: Solid

Analysis Batch: 205114

Client Sample ID: 01-SS-01

Prep Type: Total/NA

Prep Batch: 204729

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.028	V	0.178	0.248		mg/Kg	☼	124	75 - 125	2	20

TestAmerica Pensacola

TestAmerica Pensacola

3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

8539 TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information Company: Barksdale & Associates Address: 105 South G Street City: Pensacola State, Zip: FL, 32502 Phone: 850-291-4704(Tel) Email: john@barksdaleandassociates.com Project Name: VILS Caneel Bay Resort Site:		Sampler: John Barksdale Lab Pmt: Whitmore, Cheyenne R E-Mail: cheyenne.whitmore@testamerica.com		Carrier Tracking No(s): 400-31086-17742.1 Page: 1 Job #:	
Due Date Requested: TAT Requested (days): 2 weeks PO #: Purchase Order not required WO #: Project #: 400000008 SOW#:		Analysis Requested 8081 OC Tests 8141 OP Tests 8151A Herbicides 400-85394 COC			
Sample Identification Sample ID: 01-SS-01 Sample ID: 01-SS-02 Sample ID: 01-SS-03 Sample ID: 01-SS-04 Sample ID: 01-SS-05 Sample ID: 01-SD-01 Sample ID: 01-SD-02 Sample ID: 01-SD-03 Sample ID: 01-SD-04		Sample Date: 1/11/14 Sample Time: 1230 Sample Type (C=Comp, G=Grab): G Matrix (W=water, S=solid, O=waste/oil, ST=Stem/Leaf): Solid		Field Filtered Sample (Yes or No): N Perform MS/MSD (Yes or No): N 8016B DRO (C10-C28) & ORO (C28-C40): X 8015 GRO (C6-C10): X 8270D PAHs: X 8082 PCBs: X 6010C/7471A-PCRA & Metals: X	
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		Total Number of Containers: 2 Special Instructions/Note: OTC TRC		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months					
Special Instructions/QC Requirements:					
Empty Kit Relinquished by: John Barksdale Relinquished by: John Barksdale Relinquished by:		Date: 1/14/14 0845 Date/Time: 1/14/14 0845 Date/Time:		Method of Shipment: FedEx Date/Time: 1-16-14 9:17 Date/Time:	
Custody Seals Intact: A Yes Δ No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Company: Barksdale Company: Barksdale Company: Barksdale	

[illegible]

Login Sample Receipt Checklist

Client: Barksdale & Associates

Job Number: 400-85394-1

Login Number: 85394

List Source: TestAmerica Pensacola

List Number: 1

Creator: Ricketts, Erin

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.3°C IR6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

AR-003046

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85394-1

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-14
Arkansas DEQ	State Program	6	88-0689	09-01-14
Florida	NELAP	4	E81010	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200041	10-09-14
Iowa	State Program	7	367	08-01-14
Kansas	NELAP	7	E-10253	10-31-14
Kentucky (UST)	State Program	4	53	06-30-14
Louisiana	NELAP	6	30976	06-30-14
Maryland	State Program	3	233	09-30-14
Massachusetts	State Program	1	M-FL094	06-30-14
Michigan	State Program	5	9912	05-04-14
New Jersey	NELAP	2	FL006	06-30-14
North Carolina DENR	State Program	4	314	12-31-14
Oklahoma	State Program	6	9810	08-31-14
Pennsylvania	NELAP	3	68-00467	01-31-15
Rhode Island	State Program	1	LAO00307	12-30-14
South Carolina	State Program	4	96026	06-30-13 *
Tennessee	State Program	4	TN02907	06-30-14
Texas	NELAP	6	T104704286-12-5	09-30-14
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-14
West Virginia DEP	State Program	3	136	06-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pensacola

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-85520-1

Client Project/Site: VIIS CANEEL BAY RESORT

For:

Barksdale & Associates

105 South G Street

Pensacola, Florida 32502

Attn: Mr. John Barksdale



Authorized for release by:

1/31/2014 1:58:43 PM

Cheyenne Whitmire, Project Manager II

(850)474-1001

cheyenne.whitmire@testamericainc.com

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

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

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Case Narrative

AR-003049

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Job ID: 400-85520-1**Laboratory: TestAmerica Pensacola****Narrative****Job Narrative
400-85520-1****GC Semi VOA**

Method(s) 8015C: The method blank for batch 205023 contained C10-C28 results above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Metals

Method(s) 7470A: The method blank for batch 205146 contained Hg above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Organic Prep

Method(s) 3520C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 205117.

Method Summary

AR-003050

Client: Barksdale & Associates

TestAmerica Job ID: 400-85520-1

Project/Site: VIIS CANEEL BAY RESORT

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8015C	GRO by 8015C	SW846	TAL PEN
8015C	Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	SW846	TAL PEN
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PEN
6010C	Metals (ICP)	SW846	TAL PEN
7470A	Mercury (CVAA)	SW846	TAL PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

AR-003051

Client: Barksdale & Associates

TestAmerica Job ID: 400-85520-1

Project/Site: VIIS CANEEL BAY RESORT

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-85520-1	RINSATE BLANK	Water	01/15/14 18:00	01/17/14 09:05
400-85520-2	02-GW-01	Water	01/12/14 14:00	01/17/14 09:05
400-85520-3	TRIP BLANK	Water	01/12/14 00:00	01/17/14 09:05

Client Sample Results

AR-003052

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Client Sample ID: RINSATE BLANK

Lab Sample ID: 400-85520-1

Date Collected: 01/15/14 18:00

Matrix: Water

Date Received: 01/17/14 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.34	U	1.0	0.34	ug/L			01/19/14 14:22	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			01/19/14 14:22	1
Toluene	0.70	U	1.0	0.70	ug/L			01/19/14 14:22	1
Xylenes, Total	1.6	U	10	1.6	ug/L			01/19/14 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		78 - 118		01/19/14 14:22	1
Dibromofluoromethane	97		81 - 121		01/19/14 14:22	1
Toluene-d8 (Surr)	99		80 - 120		01/19/14 14:22	1

Method: 8015C - GRO by 8015C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	50	U	100	50	ug/L			01/28/14 13:28	1
-C6-C10									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	106		78 - 119		01/28/14 13:28	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	72	I V	120	41	ug/L		01/20/14 08:54	01/21/14 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	95		49 - 134	01/20/14 08:54	01/21/14 19:23	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.000048	U	0.00050	0.000048	mg/L		01/20/14 16:39	01/22/14 15:02	1
PCB-1221	0.00022	U	0.00050	0.00022	mg/L		01/20/14 16:39	01/22/14 15:02	1
PCB-1232	0.00010	U	0.00050	0.00010	mg/L		01/20/14 16:39	01/22/14 15:02	1
PCB-1242	0.000034	U	0.00050	0.000034	mg/L		01/20/14 16:39	01/22/14 15:02	1
PCB-1248	0.000020	U	0.00050	0.000020	mg/L		01/20/14 16:39	01/22/14 15:02	1
PCB-1254	0.000057	U	0.00050	0.000057	mg/L		01/20/14 16:39	01/22/14 15:02	1
PCB-1260	0.000034	U	0.00050	0.000034	mg/L		01/20/14 16:39	01/22/14 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	42		10 - 125	01/20/14 16:39	01/22/14 15:02	1
Tetrachloro-m-xylene	106		46 - 150	01/20/14 16:39	01/22/14 15:02	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0020	U	0.0050	0.0020	mg/L		01/20/14 09:07	01/22/14 15:11	1
Arsenic	0.0040	U	0.0050	0.0040	mg/L		01/20/14 09:07	01/22/14 15:11	1
Barium	0.0020	U	0.010	0.0020	mg/L		01/20/14 09:07	01/22/14 15:11	1
Cadmium	0.0010	U	0.0050	0.0010	mg/L		01/20/14 09:07	01/22/14 15:11	1
Chromium	0.0020	U	0.010	0.0020	mg/L		01/20/14 09:07	01/22/14 15:11	1
Lead	0.0020	U	0.0050	0.0020	mg/L		01/20/14 09:07	01/22/14 15:11	1
Selenium	0.0040	U	0.010	0.0040	mg/L		01/20/14 09:07	01/22/14 15:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00012	I V	0.00020	0.000070	mg/L		01/21/14 08:58	01/23/14 10:52	1

TestAmerica Pensacola

Client Sample Results

AR-003053

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Client Sample ID: 02-GW-01

Lab Sample ID: 400-85520-2

Date Collected: 01/12/14 14:00

Matrix: Water

Date Received: 01/17/14 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.64	I	1.0	0.34	ug/L			01/19/14 14:50	1
Ethylbenzene	49		1.0	0.50	ug/L			01/19/14 14:50	1
Toluene	0.72	I	1.0	0.70	ug/L			01/19/14 14:50	1
Xylenes, Total	2.0	I	10	1.6	ug/L			01/19/14 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		78 - 118					01/19/14 14:50	1
Dibromofluoromethane	97		81 - 121					01/19/14 14:50	1
Toluene-d8 (Surr)	100		80 - 120					01/19/14 14:50	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.91	I	10	0.16	ug/L		01/17/14 16:17	01/30/14 17:50	1
Acenaphthylene	0.17	U	10	0.17	ug/L		01/17/14 16:17	01/30/14 17:50	1
Anthracene	0.29	I	10	0.18	ug/L		01/17/14 16:17	01/30/14 17:50	1
Benzo[a]anthracene	0.18	U	10	0.18	ug/L		01/17/14 16:17	01/30/14 17:50	1
Benzo[a]pyrene	0.12	U	10	0.12	ug/L		01/17/14 16:17	01/30/14 17:50	1
Benzo[b]fluoranthene	0.15	U	10	0.15	ug/L		01/17/14 16:17	01/30/14 17:50	1
Benzo[g,h,i]perylene	0.23	U	10	0.23	ug/L		01/17/14 16:17	01/30/14 17:50	1
Benzo[k]fluoranthene	0.16	U	10	0.16	ug/L		01/17/14 16:17	01/30/14 17:50	1
Chrysene	0.19	U	10	0.19	ug/L		01/17/14 16:17	01/30/14 17:50	1
Dibenz(a,h)anthracene	0.24	U	10	0.24	ug/L		01/17/14 16:17	01/30/14 17:50	1
Fluoranthene	0.68	I	10	0.18	ug/L		01/17/14 16:17	01/30/14 17:50	1
Fluorene	6.0	I	10	0.18	ug/L		01/17/14 16:17	01/30/14 17:50	1
Indeno[1,2,3-cd]pyrene	0.22	U	10	0.22	ug/L		01/17/14 16:17	01/30/14 17:50	1
Naphthalene	19		10	0.17	ug/L		01/17/14 16:17	01/30/14 17:50	1
Phenanthrene	0.77	I	10	0.18	ug/L		01/17/14 16:17	01/30/14 17:50	1
Pyrene	0.48	I	10	0.21	ug/L		01/17/14 16:17	01/30/14 17:50	1
1-Methylnaphthalene	13		10	0.15	ug/L		01/17/14 16:17	01/30/14 17:50	1
2-Methylnaphthalene	18		10	0.13	ug/L		01/17/14 16:17	01/30/14 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		34 - 113				01/17/14 16:17	01/30/14 17:50	1
Nitrobenzene-d5 (Surr)	64		27 - 110				01/17/14 16:17	01/30/14 17:50	1
Terphenyl-d14 (Surr)	111		53 - 125				01/17/14 16:17	01/30/14 17:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0043	I	0.0050	0.0020	mg/L		01/20/14 09:07	01/22/14 15:14	1

TestAmerica Pensacola

Client Sample Results

AR-003054

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-85520-3

Date Collected: 01/12/14 00:00

Matrix: Water

Date Received: 01/17/14 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.34	U	1.0	0.34	ug/L			01/19/14 15:19	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			01/19/14 15:19	1
Toluene	0.70	U	1.0	0.70	ug/L			01/19/14 15:19	1
Xylenes, Total	1.6	U	10	1.6	ug/L			01/19/14 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		78 - 118					01/19/14 15:19	1
Dibromofluoromethane	97		81 - 121					01/19/14 15:19	1
Toluene-d8 (Surr)	98		80 - 120					01/19/14 15:19	1

Definitions/Glossary

AR-003055

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC/MS Semi VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.
L	Off-scale high. Actual value is known to be greater than the value given.

GC VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Glossary

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

TestAmerica Pensacola

Lab Chronicle

AR-003056

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Client Sample ID: RINSATE BLANK

Lab Sample ID: 400-85520-1

Date Collected: 01/15/14 18:00

Matrix: Water

Date Received: 01/17/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204948	01/19/14 14:22	ARM	TAL PEN
Total/NA	Analysis	8015C		1	205955	01/28/14 13:28	MKA	TAL PEN
Total/NA	Prep	3520C			205023	01/20/14 08:54	KH1	TAL PEN
Total/NA	Analysis	8015C		1	205179	01/21/14 19:23	IDR	TAL PEN
Total/NA	Prep	3520C			205117	01/20/14 16:39	KH1	TAL PEN
Total/NA	Analysis	8082A		1	205362	01/22/14 15:02	VC1	TAL PEN
Total/NA	Prep	3010A			205029	01/20/14 09:07	KWN	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 15:11	SLM	TAL PEN
Total/NA	Prep	7470A			205146	01/21/14 08:58	JAP	TAL PEN
Total/NA	Analysis	7470A		1	205517	01/23/14 10:52	JAP	TAL PEN

Client Sample ID: 02-GW-01

Lab Sample ID: 400-85520-2

Date Collected: 01/12/14 14:00

Matrix: Water

Date Received: 01/17/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204948	01/19/14 14:50	ARM	TAL PEN
Total/NA	Prep	3520C			204923	01/17/14 16:17	KH1	TAL PEN
Total/NA	Analysis	8270D		1	206054	01/30/14 17:50	BKM	TAL PEN
Total/NA	Prep	3010A			205029	01/20/14 09:07	KWN	TAL PEN
Total/NA	Analysis	6010C		1	205442	01/22/14 15:14	SLM	TAL PEN

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-85520-3

Date Collected: 01/12/14 00:00

Matrix: Water

Date Received: 01/17/14 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	204948	01/19/14 15:19	ARM	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

AR-003057

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

GC/MS VOA

Analysis Batch: 204948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85520-1	RINSATE BLANK	Total/NA	Water	8260B	
400-85520-2	02-GW-01	Total/NA	Water	8260B	
400-85520-2 MS	02-GW-01	Total/NA	Water	8260B	
400-85520-2 MSD	02-GW-01	Total/NA	Water	8260B	
400-85520-3	TRIP BLANK	Total/NA	Water	8260B	
LCS 400-204948/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-204948/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 204923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85520-2	02-GW-01	Total/NA	Water	3520C	
LCS 400-204923/2-A	Lab Control Sample	Total/NA	Water	3520C	
MB 400-204923/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 205825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-204923/2-A	Lab Control Sample	Total/NA	Water	8270D	204923
MB 400-204923/1-A	Method Blank	Total/NA	Water	8270D	204923

Analysis Batch: 206054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85520-2	02-GW-01	Total/NA	Water	8270D	204923

GC VOA

Analysis Batch: 205955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85516-D-2 MS	Matrix Spike	Total/NA	Water	8015C	
400-85516-D-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8015C	
400-85520-1	RINSATE BLANK	Total/NA	Water	8015C	
LCS 400-205955/1004	Lab Control Sample	Total/NA	Water	8015C	
MB 400-205955/5	Method Blank	Total/NA	Water	8015C	

GC Semi VOA

Prep Batch: 205023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85520-1	RINSATE BLANK	Total/NA	Water	3520C	
640-46449-A-3-B MS	Matrix Spike	Total/NA	Water	3520C	
640-46449-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	
LCS 400-205023/2-A	Lab Control Sample	Total/NA	Water	3520C	
MB 400-205023/1-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 205117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85520-1	RINSATE BLANK	Total/NA	Water	3520C	
LCS 400-205117/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-205117/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

TestAmerica Pensacola

QC Association Summary

AR-003058

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

GC Semi VOA (Continued)

Prep Batch: 205117 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-205117/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 205179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85520-1	RINSATE BLANK	Total/NA	Water	8015C	205023
640-46449-A-3-B MS	Matrix Spike	Total/NA	Water	8015C	205023
640-46449-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	8015C	205023
LCS 400-205023/2-A	Lab Control Sample	Total/NA	Water	8015C	205023
MB 400-205023/1-A	Method Blank	Total/NA	Water	8015C	205023

Analysis Batch: 205362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85520-1	RINSATE BLANK	Total/NA	Water	8082A	205117
LCS 400-205117/2-A	Lab Control Sample	Total/NA	Water	8082A	205117
LCSD 400-205117/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	205117
MB 400-205117/1-A	Method Blank	Total/NA	Water	8082A	205117

Metals

Prep Batch: 205029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85520-1	RINSATE BLANK	Total/NA	Water	3010A	
400-85520-2	02-GW-01	Total/NA	Water	3010A	
400-85552-A-3-B MS	Matrix Spike	Total/NA	Water	3010A	
400-85552-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
LCS 400-205029/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 400-205029/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 205146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85451-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
400-85520-1	RINSATE BLANK	Total/NA	Water	7470A	
LCS 400-205146/15-A	Lab Control Sample	Total/NA	Water	7470A	
MB 400-205146/14-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 205442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85520-1	RINSATE BLANK	Total/NA	Water	6010C	205029
400-85520-2	02-GW-01	Total/NA	Water	6010C	205029
400-85552-A-3-B MS	Matrix Spike	Total/NA	Water	6010C	205029
400-85552-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010C	205029
LCS 400-205029/2-A	Lab Control Sample	Total/NA	Water	6010C	205029
MB 400-205029/1-A	Method Blank	Total/NA	Water	6010C	205029

Analysis Batch: 205517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85451-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	205146
400-85520-1	RINSATE BLANK	Total/NA	Water	7470A	205146
LCS 400-205146/15-A	Lab Control Sample	Total/NA	Water	7470A	205146
MB 400-205146/14-A	Method Blank	Total/NA	Water	7470A	205146

TestAmerica Pensacola

QC Sample Results

AR-003059

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-204948/4

Matrix: Water

Analysis Batch: 204948

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.34	U	1.0	0.34	ug/L			01/19/14 10:34	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			01/19/14 10:34	1
Toluene	0.70	U	1.0	0.70	ug/L			01/19/14 10:34	1
Xylenes, Total	1.6	U	10	1.6	ug/L			01/19/14 10:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		78 - 118		01/19/14 10:34	1
Dibromofluoromethane	96		81 - 121		01/19/14 10:34	1
Toluene-d8 (Surr)	102		80 - 120		01/19/14 10:34	1

Lab Sample ID: LCS 400-204948/1002

Matrix: Water

Analysis Batch: 204948

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	43.1		ug/L		86	79 - 120
Ethylbenzene	50.0	42.1		ug/L		84	80 - 120
Toluene	50.0	41.8		ug/L		84	80 - 120
Xylenes, Total	100	81.7		ug/L		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	99		78 - 118
Dibromofluoromethane	105		81 - 121
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 400-85520-2 MS

Matrix: Water

Analysis Batch: 204948

Client Sample ID: 02-GW-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.64	I	50.0	43.1		ug/L		85	10 - 150
Ethylbenzene	49		50.0	81.1		ug/L		65	10 - 150
Toluene	0.72	I	50.0	40.3		ug/L		79	10 - 150
Xylenes, Total	2.0	I	100	81.2		ug/L		79	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	101		78 - 118
Dibromofluoromethane	106		81 - 121
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: 400-85520-2 MSD

Matrix: Water

Analysis Batch: 204948

Client Sample ID: 02-GW-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.64	I	50.0	50.1		ug/L		99	10 - 150	15	19
Ethylbenzene	49		50.0	97.6		ug/L		98	10 - 150	19	40

TestAmerica Pensacola

QC Sample Results

AR-003060

Client: Barksdale & Associates

TestAmerica Job ID: 400-85520-1

Project/Site: VIIS CANEEL BAY RESORT

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-85520-2 MSD

Matrix: Water

Analysis Batch: 204948

Client Sample ID: 02-GW-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.72	I	50.0	48.7		ug/L		96	10 - 150	19	26
Xylenes, Total	2.0	I	100	97.3		ug/L		95	10 - 150	18	41
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	100		78 - 118								
Dibromofluoromethane	103		81 - 121								
Toluene-d8 (Surr)	101		80 - 120								

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-204923/1-A

Matrix: Water

Analysis Batch: 205825

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204923

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	U	10	0.16	ug/L		01/17/14 16:17	01/27/14 17:36	1
Acenaphthylene	0.17	U	10	0.17	ug/L		01/17/14 16:17	01/27/14 17:36	1
Anthracene	0.18	U	10	0.18	ug/L		01/17/14 16:17	01/27/14 17:36	1
Benzo[a]anthracene	0.18	U	10	0.18	ug/L		01/17/14 16:17	01/27/14 17:36	1
Benzo[a]pyrene	0.12	U	10	0.12	ug/L		01/17/14 16:17	01/27/14 17:36	1
Benzo[b]fluoranthene	0.15	U	10	0.15	ug/L		01/17/14 16:17	01/27/14 17:36	1
Benzo[g,h,i]perylene	0.23	U	10	0.23	ug/L		01/17/14 16:17	01/27/14 17:36	1
Benzo[k]fluoranthene	0.16	U	10	0.16	ug/L		01/17/14 16:17	01/27/14 17:36	1
Chrysene	0.19	U	10	0.19	ug/L		01/17/14 16:17	01/27/14 17:36	1
Dibenz(a,h)anthracene	0.24	U	10	0.24	ug/L		01/17/14 16:17	01/27/14 17:36	1
Fluoranthene	0.18	U	10	0.18	ug/L		01/17/14 16:17	01/27/14 17:36	1
Fluorene	0.18	U	10	0.18	ug/L		01/17/14 16:17	01/27/14 17:36	1
Indeno[1,2,3-cd]pyrene	0.22	U	10	0.22	ug/L		01/17/14 16:17	01/27/14 17:36	1
Naphthalene	0.17	U	10	0.17	ug/L		01/17/14 16:17	01/27/14 17:36	1
Phenanthrene	0.18	U	10	0.18	ug/L		01/17/14 16:17	01/27/14 17:36	1
Pyrene	0.21	U	10	0.21	ug/L		01/17/14 16:17	01/27/14 17:36	1
1-Methylnaphthalene	0.15	U	10	0.15	ug/L		01/17/14 16:17	01/27/14 17:36	1
2-Methylnaphthalene	0.13	U	10	0.13	ug/L		01/17/14 16:17	01/27/14 17:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	53		34 - 113				01/17/14 16:17	01/27/14 17:36	1
Nitrobenzene-d5 (Surr)	42		27 - 110				01/17/14 16:17	01/27/14 17:36	1
Terphenyl-d14 (Surr)	69		53 - 125				01/17/14 16:17	01/27/14 17:36	1

Lab Sample ID: LCS 400-204923/2-A

Matrix: Water

Analysis Batch: 205825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	50.0	38.7		ug/L		77	57 - 125
Acenaphthylene	50.0	36.8		ug/L		74	59 - 125
Anthracene	50.0	43.1	L	ug/L		86	65 - 128

TestAmerica Pensacola

QC Sample Results

AR-003061

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-204923/2-A

Matrix: Water

Analysis Batch: 205825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	50.0	39.3		ug/L		79	63 - 126
Benzo[a]pyrene	50.0	40.1	L	ug/L		80	61 - 125
Benzo[b]fluoranthene	50.0	42.5	L	ug/L		85	49 - 140
Benzo[g,h,i]perylene	50.0	44.6	L	ug/L		89	51 - 149
Benzo[k]fluoranthene	50.0	36.7	L	ug/L		73	56 - 138
Chrysene	50.0	46.3	L	ug/L		93	60 - 126
Dibenz(a,h)anthracene	50.0	42.7	L	ug/L		85	57 - 133
Fluoranthene	50.0	51.3	L	ug/L		103	66 - 131
Fluorene	50.0	39.0		ug/L		78	60 - 132
Indeno[1,2,3-cd]pyrene	50.0	44.2	L	ug/L		88	55 - 135
Naphthalene	50.0	29.6		ug/L		59	55 - 125
Phenanthrene	50.0	43.2	L	ug/L		86	64 - 133
Pyrene	50.0	39.7		ug/L		79	55 - 142
1-Methylnaphthalene	50.0	39.8		ug/L		80	59 - 120
2-Methylnaphthalene	50.0	40.2	L	ug/L		80	58 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	76		34 - 113
Nitrobenzene-d5 (Surr)	68		27 - 110
Terphenyl-d14 (Surr)	80		53 - 125

Method: 8015C - GRO by 8015C

Lab Sample ID: MB 400-205955/5

Matrix: Water

Analysis Batch: 205955

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	50	U	100	50	ug/L			01/28/14 12:56	1
-C6-C10									

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	109		78 - 119		01/28/14 12:56	1

Lab Sample ID: LCS 400-205955/1004

Matrix: Water

Analysis Batch: 205955

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)	1000	1100		ug/L		110	85 - 115
-C6-C10							

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene (fid)	107		78 - 119

TestAmerica Pensacola

QC Sample Results

AR-003062

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Method: 8015C - GRO by 8015C (Continued)

Lab Sample ID: 400-85516-D-2 MS

Matrix: Water

Analysis Batch: 205955

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C6-C10	210		1000	1450		ug/L		124	35 - 150
Surrogate	%Recovery	MS Qualifier	Limits						
a,a,a-Trifluorotoluene (fid)	108		78 - 119						

Lab Sample ID: 400-85516-D-2 MSD

Matrix: Water

Analysis Batch: 205955

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C6-C10	210		1000	1440		ug/L		123	35 - 150	1	15
Surrogate	%Recovery	MSD Qualifier	Limits								
a,a,a-Trifluorotoluene (fid)	109		78 - 119								

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Lab Sample ID: MB 400-205023/1-A

Matrix: Water

Analysis Batch: 205179

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	73.8	I	130	43	ug/L		01/20/14 08:54	01/21/14 12:31	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	100		49 - 134				01/20/14 08:54	01/21/14 12:31	1

Lab Sample ID: LCS 400-205023/2-A

Matrix: Water

Analysis Batch: 205179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	10100	10300		ug/L		102	63 - 138
Surrogate	%Recovery	LCS Qualifier	Limits				
o-Terphenyl (Surr)	100		49 - 134				

Lab Sample ID: 640-46449-A-3-B MS

Matrix: Water

Analysis Batch: 205179

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	99	I V	9590	8910		ug/L		92	10 - 150

TestAmerica Pensacola

QC Sample Results

AR-003063

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) (Continued)

Lab Sample ID: 640-46449-A-3-B MS

Matrix: Water

Analysis Batch: 205179

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205023

Surrogate	MS %Recovery	MS Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	97		49 - 134

Lab Sample ID: 640-46449-A-3-C MSD

Matrix: Water

Analysis Batch: 205179

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	99	I V	9590	9460		ug/L		98	10 - 150	6	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	115		49 - 134

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 400-205117/1-A

Matrix: Water

Analysis Batch: 205362

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205117

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.000048	U	0.00050	0.000048	mg/L		01/20/14 16:39	01/22/14 11:16	1
PCB-1221	0.00022	U	0.00050	0.00022	mg/L		01/20/14 16:39	01/22/14 11:16	1
PCB-1232	0.00010	U	0.00050	0.00010	mg/L		01/20/14 16:39	01/22/14 11:16	1
PCB-1242	0.000034	U	0.00050	0.000034	mg/L		01/20/14 16:39	01/22/14 11:16	1
PCB-1248	0.000020	U	0.00050	0.000020	mg/L		01/20/14 16:39	01/22/14 11:16	1
PCB-1254	0.000057	U	0.00050	0.000057	mg/L		01/20/14 16:39	01/22/14 11:16	1
PCB-1260	0.000034	U	0.00050	0.000034	mg/L		01/20/14 16:39	01/22/14 11:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		10 - 125	01/20/14 16:39	01/22/14 11:16	1
Tetrachloro-m-xylene	106		46 - 150	01/20/14 16:39	01/22/14 11:16	1

Lab Sample ID: LCS 400-205117/2-A

Matrix: Water

Analysis Batch: 205362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205117

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.00500	0.00519		mg/L		104	54 - 126
PCB-1260	0.00500	0.00514		mg/L		103	56 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	65		10 - 125
Tetrachloro-m-xylene	107		46 - 150

TestAmerica Pensacola

QC Sample Results

AR-003064

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 400-205117/3-A

Matrix: Water

Analysis Batch: 205362

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 205117

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	0.00500	0.00554		mg/L		111	54 - 126	6	40
PCB-1260	0.00500	0.00501		mg/L		100	56 - 139	3	40
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
DCB Decachlorobiphenyl	60		10 - 125						
Tetrachloro-m-xylene	108		46 - 150						

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 400-205029/1-A

Matrix: Water

Analysis Batch: 205442

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.0020	U	0.0050	0.0020	mg/L		01/20/14 09:05	01/22/14 13:35	1
Arsenic	0.0040	U	0.0050	0.0040	mg/L		01/20/14 09:05	01/22/14 13:35	1
Barium	0.0020	U	0.010	0.0020	mg/L		01/20/14 09:05	01/22/14 13:35	1
Cadmium	0.0010	U	0.0050	0.0010	mg/L		01/20/14 09:05	01/22/14 13:35	1
Chromium	0.0020	U	0.010	0.0020	mg/L		01/20/14 09:05	01/22/14 13:35	1
Lead	0.0020	U	0.0050	0.0020	mg/L		01/20/14 09:05	01/22/14 13:35	1
Selenium	0.0040	U	0.010	0.0040	mg/L		01/20/14 09:05	01/22/14 13:35	1

Lab Sample ID: LCS 400-205029/2-A

Matrix: Water

Analysis Batch: 205442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.500	0.487		mg/L		97	80 - 120
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.05		mg/L		105	80 - 120
Cadmium	0.500	0.504		mg/L		101	80 - 120
Chromium	1.00	1.05		mg/L		105	80 - 120
Lead	1.00	1.03		mg/L		103	80 - 120
Selenium	1.00	0.979		mg/L		98	80 - 120

Lab Sample ID: 400-85552-A-3-B MS

Matrix: Water

Analysis Batch: 205442

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.0020	U	0.500	0.481		mg/L		96	75 - 125
Arsenic	0.0040	U	1.00	1.00		mg/L		100	75 - 125
Barium	0.023		1.00	1.06		mg/L		104	75 - 125
Cadmium	0.0010	U	0.500	0.501		mg/L		100	75 - 125
Chromium	0.0037	I	1.00	1.05		mg/L		104	75 - 125
Lead	0.0033	I	1.00	1.02		mg/L		101	75 - 125
Selenium	0.0040	U	1.00	0.965		mg/L		96	75 - 125

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QC Sample Results

AR-003065

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85520-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 400-85552-A-3-C MSD

Matrix: Water

Analysis Batch: 205442

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.0020	U	0.500	0.488		mg/L		98	75 - 125	1	20
Arsenic	0.0040	U	1.00	1.01		mg/L		101	75 - 125	1	20
Barium	0.023		1.00	1.07		mg/L		105	75 - 125	1	20
Cadmium	0.0010	U	0.500	0.507		mg/L		101	75 - 125	1	20
Chromium	0.0037	I	1.00	1.06		mg/L		106	75 - 125	1	20
Lead	0.0033	I	1.00	1.03		mg/L		103	75 - 125	1	20
Selenium	0.0040	U	1.00	0.978		mg/L		98	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-205146/14-A

Matrix: Water

Analysis Batch: 205517

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000740	I	0.00020	0.000070	mg/L		01/21/14 08:58	01/23/14 12:05	1

Lab Sample ID: LCS 400-205146/15-A

Matrix: Water

Analysis Batch: 205517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.000864		mg/L		86	80 - 120

Lab Sample ID: 400-85451-A-1-D MSD

Matrix: Water

Analysis Batch: 205517

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000076		0.00200	0.00172		mg/L		82	75 - 125	1	20

TestAmerica Pensacola

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1/31/2014

[illegible]

Login Sample Receipt Checklist

Client: Barksdale & Associates

Job Number: 400-85520-1

Login Number: 85520

List Source: TestAmerica Pensacola

List Number: 1

Creator: Chea, Vandy

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0°C IR #2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

AR-003069

Client: Barksdale & Associates

TestAmerica Job ID: 400-85520-1

Project/Site: VIIS CANEEL BAY RESORT

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-14
Arkansas DEQ	State Program	6	88-0689	09-01-14
Florida	NELAP	4	E81010	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200041	10-09-14
Iowa	State Program	7	367	08-01-14
Kansas	NELAP	7	E-10253	10-31-14
Kentucky (UST)	State Program	4	53	06-30-14
Louisiana	NELAP	6	30976	06-30-14
Maryland	State Program	3	233	09-30-14
Massachusetts	State Program	1	M-FL094	06-30-14
Michigan	State Program	5	9912	05-04-14
New Jersey	NELAP	2	FL006	06-30-14
North Carolina DENR	State Program	4	314	12-31-14
Oklahoma	State Program	6	9810	08-31-14
Pennsylvania	NELAP	3	68-00467	01-31-15
Rhode Island	State Program	1	LAO00307	12-30-14
South Carolina	State Program	4	96026	06-30-13 *
Tennessee	State Program	4	TN02907	06-30-14
Texas	NELAP	6	T104704286-12-5	09-30-14
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-14
West Virginia DEP	State Program	3	136	06-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pensacola

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-85521-1

Client Project/Site: VIIS CANEEL BAY RESORT

For:

Barksdale & Associates

105 South G Street

Pensacola, Florida 32502

Attn: Mr. John Barksdale



Authorized for release by:

1/23/2014 5:16:20 PM

Cheyenne Whitmire, Project Manager II

(850)474-1001

cheyenne.whitmire@testamericainc.com

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

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

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Case Narrative

AR-003072

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Job ID: 400-85521-1**Laboratory: TestAmerica Pensacola****Narrative****Job Narrative
400-85521-1****GC Semi VOA**

Method(s) 8015C: The method blank for batch 205008 contained C10-C28 and C28-C35 results above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Metals

Method(s) 6010C: Spike compounds were inadvertently omitted during the digestion process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for batch 204983. The associated laboratory control sample (LCS) and post-digestion spike (PDS) met acceptance criteria.

Method(s) 6010C: The method blank for batch 400-204983 contained selenium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method Summary

AR-003073

Client: Barksdale & Associates

TestAmerica Job ID: 400-85521-1

Project/Site: VIIS CANEEL BAY RESORT

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8015C	Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	SW846	TAL PEN
6010C	Metals (ICP)	SW846	TAL PEN
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PEN
Moisture	Percent Moisture	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

AR-003074

Client: Barksdale & Associates

TestAmerica Job ID: 400-85521-1

Project/Site: VIIS CANEEL BAY RESORT

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-85521-1	05-SS-01	Solid	01/14/14 11:15	01/17/14 09:05
400-85521-2	05-SS-02	Solid	01/14/14 11:20	01/17/14 09:05
400-85521-3	05-SS-03	Solid	01/14/14 12:45	01/17/14 09:05
400-85521-4	05-SS-04	Solid	01/14/14 12:55	01/17/14 09:05

Client Sample Results

AR-003075

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Client Sample ID: 05-SS-01

Lab Sample ID: 400-85521-1

Date Collected: 01/14/14 11:15

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 75.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Acenaphthylene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Anthracene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Benzo[a]anthracene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Benzo[a]pyrene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Benzo[b]fluoranthene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Benzo[g,h,i]perylene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Benzo[k]fluoranthene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Chrysene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Dibenz[a,h]anthracene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Fluoranthene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Fluorene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Indeno[1,2,3-cd]pyrene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Naphthalene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Phenanthrene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
Pyrene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
1-Methylnaphthalene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5
2-Methylnaphthalene	0.067	U	2.2	0.067	mg/Kg	☼	01/20/14 08:55	01/21/14 16:06	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		44 - 108	01/20/14 08:55	01/21/14 16:06	5
Nitrobenzene-d5 (Surr)	69		27 - 114	01/20/14 08:55	01/21/14 16:06	5
Terphenyl-d14 (Surr)	78		36 - 134	01/20/14 08:55	01/21/14 16:06	5

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	310		6.6	2.2	mg/Kg	☼	01/20/14 08:30	01/21/14 20:03	1
Oil Range Organics (C28-C35)	93		6.6	2.2	mg/Kg	☼	01/20/14 08:30	01/21/14 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	72		30 - 118	01/20/14 08:30	01/21/14 20:03	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	3.5		0.62	0.25	mg/Kg	☼	01/19/14 14:00	01/20/14 15:19	1
Arsenic	30		0.62	0.50	mg/Kg	☼	01/19/14 14:00	01/20/14 15:19	1
Barium	88		1.2	0.25	mg/Kg	☼	01/19/14 14:00	01/20/14 15:19	1
Cadmium	7.3		0.62	0.12	mg/Kg	☼	01/19/14 14:00	01/20/14 15:19	1
Chromium	90		1.2	0.25	mg/Kg	☼	01/19/14 14:00	01/20/14 15:19	1
Lead	180		0.62	0.25	mg/Kg	☼	01/19/14 14:00	01/20/14 15:19	1
Selenium	1.1	IV	1.2	0.50	mg/Kg	☼	01/19/14 14:00	01/20/14 15:19	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.083		0.021	0.013	mg/Kg	☼	01/21/14 09:03	01/22/14 12:36	1

TestAmerica Pensacola

Client Sample Results

AR-003076

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Client Sample ID: 05-SS-02

Lab Sample ID: 400-85521-2

Date Collected: 01/14/14 11:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 72.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Acenaphthylene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Anthracene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Benzo[a]anthracene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Benzo[a]pyrene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Benzo[b]fluoranthene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Benzo[g,h,i]perylene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Benzo[k]fluoranthene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Chrysene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Dibenz[a,h]anthracene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Fluoranthene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Fluorene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Indeno[1,2,3-cd]pyrene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Naphthalene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Phenanthrene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
Pyrene	0.083	I	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
1-Methylnaphthalene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5
2-Methylnaphthalene	0.068	U	2.3	0.068	mg/Kg	☼	01/20/14 08:55	01/21/14 16:39	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		44 - 108	01/20/14 08:55	01/21/14 16:39	5
Nitrobenzene-d5 (Surr)	73		27 - 114	01/20/14 08:55	01/21/14 16:39	5
Terphenyl-d14 (Surr)	70		36 - 134	01/20/14 08:55	01/21/14 16:39	5

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	620		6.8	2.3	mg/Kg	☼	01/20/14 08:30	01/21/14 20:44	1
Oil Range Organics (C28-C35)	590		6.8	2.3	mg/Kg	☼	01/20/14 08:30	01/21/14 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	79		30 - 118	01/20/14 08:30	01/21/14 20:44	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.1		0.66	0.26	mg/Kg	☼	01/19/14 14:00	01/20/14 15:22	1
Arsenic	35		0.66	0.53	mg/Kg	☼	01/19/14 14:00	01/20/14 15:22	1
Barium	38		1.3	0.26	mg/Kg	☼	01/19/14 14:00	01/20/14 15:22	1
Cadmium	4.5		0.66	0.13	mg/Kg	☼	01/19/14 14:00	01/20/14 15:22	1
Chromium	68		1.3	0.26	mg/Kg	☼	01/19/14 14:00	01/20/14 15:22	1
Lead	100		0.66	0.26	mg/Kg	☼	01/19/14 14:00	01/20/14 15:22	1
Selenium	0.53	U	1.3	0.53	mg/Kg	☼	01/19/14 14:00	01/20/14 15:22	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.34		0.019	0.012	mg/Kg	☼	01/21/14 09:03	01/22/14 12:03	1

TestAmerica Pensacola

Client Sample Results

AR-003077

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Client Sample ID: 05-SS-03

Lab Sample ID: 400-85521-3

Date Collected: 01/14/14 12:45

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 77.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Acenaphthylene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Anthracene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Benzo[a]anthracene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Benzo[a]pyrene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Benzo[b]fluoranthene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Benzo[g,h,i]perylene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Benzo[k]fluoranthene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Chrysene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Dibenz[a,h]anthracene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Fluoranthene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Fluorene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Indeno[1,2,3-cd]pyrene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Naphthalene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Phenanthrene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
Pyrene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
1-Methylnaphthalene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5
2-Methylnaphthalene	0.064	U	2.1	0.064	mg/Kg	☼	01/20/14 08:55	01/21/14 17:13	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65		44 - 108	01/20/14 08:55	01/21/14 17:13	5
Nitrobenzene-d5 (Surr)	71		27 - 114	01/20/14 08:55	01/21/14 17:13	5
Terphenyl-d14 (Surr)	75		36 - 134	01/20/14 08:55	01/21/14 17:13	5

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	98		6.5	2.2	mg/Kg	☼	01/20/14 08:30	01/21/14 20:54	1
Oil Range Organics (C28-C35)	79		6.5	2.2	mg/Kg	☼	01/20/14 08:30	01/21/14 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	103		30 - 118	01/20/14 08:30	01/21/14 20:54	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.45	I	0.60	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:25	1
Arsenic	49		0.60	0.48	mg/Kg	☼	01/19/14 14:00	01/20/14 15:25	1
Barium	67		1.2	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:25	1
Cadmium	4.4		0.60	0.12	mg/Kg	☼	01/19/14 14:00	01/20/14 15:25	1
Chromium	60		1.2	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:25	1
Lead	83		0.60	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:25	1
Selenium	0.48	U	1.2	0.48	mg/Kg	☼	01/19/14 14:00	01/20/14 15:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.020	0.012	mg/Kg	☼	01/21/14 09:03	01/22/14 12:04	1

TestAmerica Pensacola

Client Sample Results

AR-003078

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Client Sample ID: 05-SS-04

Lab Sample ID: 400-85521-4

Date Collected: 01/14/14 12:55

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 80.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Acenaphthylene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Anthracene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Benzo[a]anthracene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Benzo[a]pyrene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Benzo[b]fluoranthene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Benzo[g,h,i]perylene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Benzo[k]fluoranthene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Chrysene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Dibenz[a,h]anthracene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Fluoranthene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Fluorene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Indeno[1,2,3-cd]pyrene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Naphthalene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Phenanthrene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
Pyrene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
1-Methylnaphthalene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5
2-Methylnaphthalene	0.062	U	2.0	0.062	mg/Kg	☼	01/20/14 08:55	01/21/14 17:46	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	64		44 - 108	01/20/14 08:55	01/21/14 17:46	5
Nitrobenzene-d5 (Surr)	68		27 - 114	01/20/14 08:55	01/21/14 17:46	5
Terphenyl-d14 (Surr)	73		36 - 134	01/20/14 08:55	01/21/14 17:46	5

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	480		6.2	2.1	mg/Kg	☼	01/20/14 08:30	01/21/14 21:04	1
Oil Range Organics (C28-C35)	110		6.2	2.1	mg/Kg	☼	01/20/14 08:30	01/21/14 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	82		30 - 118	01/20/14 08:30	01/21/14 21:04	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.38	I	0.61	0.25	mg/Kg	☼	01/19/14 14:00	01/20/14 15:29	1
Arsenic	57		0.61	0.49	mg/Kg	☼	01/19/14 14:00	01/20/14 15:29	1
Barium	81		1.2	0.25	mg/Kg	☼	01/19/14 14:00	01/20/14 15:29	1
Cadmium	1.8		0.61	0.12	mg/Kg	☼	01/19/14 14:00	01/20/14 15:29	1
Chromium	37		1.2	0.25	mg/Kg	☼	01/19/14 14:00	01/20/14 15:29	1
Lead	59		0.61	0.25	mg/Kg	☼	01/19/14 14:00	01/20/14 15:29	1
Selenium	0.49	U	1.2	0.49	mg/Kg	☼	01/19/14 14:00	01/20/14 15:29	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.017	0.010	mg/Kg	☼	01/21/14 09:03	01/22/14 12:06	1

TestAmerica Pensacola

Definitions/Glossary

AR-003079

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC Semi VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Glossary

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

Lab Chronicle

AR-003080

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Client Sample ID: 05-SS-01

Date Collected: 01/14/14 11:15

Date Received: 01/17/14 09:05

Lab Sample ID: 400-85521-1

Matrix: Solid

Percent Solids: 75.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		5	205079	01/21/14 16:06	KJA	TAL PEN
Total/NA	Prep	3550C			205008	01/20/14 08:30	RDT	TAL PEN
Total/NA	Analysis	8015C		1	205179	01/21/14 20:03	IDR	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 15:19	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:36	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205191	01/20/14 17:00	VC2	TAL PEN

Client Sample ID: 05-SS-02

Date Collected: 01/14/14 11:20

Date Received: 01/17/14 09:05

Lab Sample ID: 400-85521-2

Matrix: Solid

Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		5	205079	01/21/14 16:39	KJA	TAL PEN
Total/NA	Prep	3550C			205008	01/20/14 08:30	RDT	TAL PEN
Total/NA	Analysis	8015C		1	205179	01/21/14 20:44	IDR	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 15:22	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:03	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205191	01/20/14 17:00	VC2	TAL PEN

Client Sample ID: 05-SS-03

Date Collected: 01/14/14 12:45

Date Received: 01/17/14 09:05

Lab Sample ID: 400-85521-3

Matrix: Solid

Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		5	205079	01/21/14 17:13	KJA	TAL PEN
Total/NA	Prep	3550C			205008	01/20/14 08:30	RDT	TAL PEN
Total/NA	Analysis	8015C		1	205179	01/21/14 20:54	IDR	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 15:25	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:04	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205191	01/20/14 17:00	VC2	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003081

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Client Sample ID: 05-SS-04

Lab Sample ID: 400-85521-4

Date Collected: 01/14/14 12:55

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		5	205079	01/21/14 17:46	KJA	TAL PEN
Total/NA	Prep	3550C			205008	01/20/14 08:30	RDT	TAL PEN
Total/NA	Analysis	8015C		1	205179	01/21/14 21:04	IDR	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 15:29	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:06	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205191	01/20/14 17:00	VC2	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

AR-003082

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

GC/MS Semi VOA

Prep Batch: 205024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85339-A-1-I MS	Matrix Spike	Total/NA	Solid	3550C	
400-85339-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
400-85521-1	05-SS-01	Total/NA	Solid	3550C	
400-85521-2	05-SS-02	Total/NA	Solid	3550C	
400-85521-3	05-SS-03	Total/NA	Solid	3550C	
400-85521-4	05-SS-04	Total/NA	Solid	3550C	
LCS 400-205024/20-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 400-205024/21-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 205076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85339-A-1-I MS	Matrix Spike	Total/NA	Solid	8270D	205024
400-85339-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	205024
LCS 400-205024/20-A	Lab Control Sample	Total/NA	Solid	8270D	205024
MB 400-205024/21-A	Method Blank	Total/NA	Solid	8270D	205024

Analysis Batch: 205079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85521-1	05-SS-01	Total/NA	Solid	8270D	205024
400-85521-2	05-SS-02	Total/NA	Solid	8270D	205024
400-85521-3	05-SS-03	Total/NA	Solid	8270D	205024
400-85521-4	05-SS-04	Total/NA	Solid	8270D	205024

GC Semi VOA

Prep Batch: 205008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85521-1	05-SS-01	Total/NA	Solid	3550C	
400-85521-1 MS	05-SS-01	Total/NA	Solid	3550C	
400-85521-1 MSD	05-SS-01	Total/NA	Solid	3550C	
400-85521-2	05-SS-02	Total/NA	Solid	3550C	
400-85521-3	05-SS-03	Total/NA	Solid	3550C	
400-85521-4	05-SS-04	Total/NA	Solid	3550C	
LCS 400-205008/17-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 400-205008/18-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 205179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85521-1	05-SS-01	Total/NA	Solid	8015C	205008
400-85521-1 MS	05-SS-01	Total/NA	Solid	8015C	205008
400-85521-1 MSD	05-SS-01	Total/NA	Solid	8015C	205008
400-85521-2	05-SS-02	Total/NA	Solid	8015C	205008
400-85521-3	05-SS-03	Total/NA	Solid	8015C	205008
400-85521-4	05-SS-04	Total/NA	Solid	8015C	205008
LCS 400-205008/17-A	Lab Control Sample	Total/NA	Solid	8015C	205008
MB 400-205008/18-A	Method Blank	Total/NA	Solid	8015C	205008

TestAmerica Pensacola

QC Association Summary

AR-003083

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Metals

Prep Batch: 204983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85521-1	05-SS-01	Total/NA	Solid	3050B	
400-85521-2	05-SS-02	Total/NA	Solid	3050B	
400-85521-3	05-SS-03	Total/NA	Solid	3050B	
400-85521-4	05-SS-04	Total/NA	Solid	3050B	
400-85567-A-2-B MS	Matrix Spike	Total/NA	Solid	3050B	
400-85567-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	
LCS 400-204983/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 400-204983/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 205127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85521-1	05-SS-01	Total/NA	Solid	6010C	204983
400-85521-2	05-SS-02	Total/NA	Solid	6010C	204983
400-85521-3	05-SS-03	Total/NA	Solid	6010C	204983
400-85521-4	05-SS-04	Total/NA	Solid	6010C	204983
400-85567-A-2-B MS	Matrix Spike	Total/NA	Solid	6010C	204983
400-85567-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	204983
LCS 400-204983/2-A	Lab Control Sample	Total/NA	Solid	6010C	204983
MB 400-204983/1-A	Method Blank	Total/NA	Solid	6010C	204983

Prep Batch: 205147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85521-1	05-SS-01	Total/NA	Solid	7471B	
400-85521-2	05-SS-02	Total/NA	Solid	7471B	
400-85521-3	05-SS-03	Total/NA	Solid	7471B	
400-85521-4	05-SS-04	Total/NA	Solid	7471B	
400-85522-A-1-E MS	Matrix Spike	Total/NA	Solid	7471B	
400-85522-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
LCS 400-205147/15-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 400-205147/14-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 205374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85521-1	05-SS-01	Total/NA	Solid	7471B	205147
400-85521-2	05-SS-02	Total/NA	Solid	7471B	205147
400-85521-3	05-SS-03	Total/NA	Solid	7471B	205147
400-85521-4	05-SS-04	Total/NA	Solid	7471B	205147
400-85522-A-1-E MS	Matrix Spike	Total/NA	Solid	7471B	205147
400-85522-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	205147
LCS 400-205147/15-A	Lab Control Sample	Total/NA	Solid	7471B	205147
MB 400-205147/14-A	Method Blank	Total/NA	Solid	7471B	205147

General Chemistry

Analysis Batch: 205191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85521-1	05-SS-01	Total/NA	Solid	Moisture	
400-85521-2	05-SS-02	Total/NA	Solid	Moisture	
400-85521-3	05-SS-03	Total/NA	Solid	Moisture	
400-85521-4	05-SS-04	Total/NA	Solid	Moisture	

TestAmerica Pensacola

QC Sample Results

AR-003084

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-205024/21-A

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Acenaphthylene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[a]anthracene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[a]pyrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[b]fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[g,h,i]perylene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[k]fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Chrysene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Dibenz(a,h)anthracene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Fluorene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Indeno[1,2,3-cd]pyrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Naphthalene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Phenanthrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Pyrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
1-Methylnaphthalene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
2-Methylnaphthalene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		44 - 108	01/20/14 08:55	01/21/14 16:43	1
Nitrobenzene-d5 (Surr)	79		27 - 114	01/20/14 08:55	01/21/14 16:43	1
Terphenyl-d14 (Surr)	89		36 - 134	01/20/14 08:55	01/21/14 16:43	1

Lab Sample ID: LCS 400-205024/20-A

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.40		mg/Kg		84	62 - 120
Acenaphthylene	1.67	1.32		mg/Kg		79	61 - 120
Anthracene	1.67	1.41		mg/Kg		85	68 - 120
Benzo[a]anthracene	1.67	1.55		mg/Kg		93	67 - 120
Benzo[a]pyrene	1.67	1.59		mg/Kg		95	64 - 120
Benzo[b]fluoranthene	1.67	1.48		mg/Kg		89	58 - 121
Benzo[g,h,i]perylene	1.67	1.50		mg/Kg		90	49 - 151
Benzo[k]fluoranthene	1.67	1.50		mg/Kg		90	61 - 123
Chrysene	1.67	1.53		mg/Kg		92	65 - 120
Dibenz(a,h)anthracene	1.67	1.61		mg/Kg		97	58 - 130
Fluoranthene	1.67	1.53		mg/Kg		92	67 - 123
Fluorene	1.67	1.50		mg/Kg		90	64 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.55		mg/Kg		93	55 - 133
Naphthalene	1.67	1.36		mg/Kg		82	59 - 120
Phenanthrene	1.67	1.42		mg/Kg		85	62 - 130
Pyrene	1.67	1.37		mg/Kg		82	57 - 127
1-Methylnaphthalene	1.67	1.44		mg/Kg		86	66 - 120
2-Methylnaphthalene	1.67	1.42		mg/Kg		85	64 - 120

TestAmerica Pensacola

QC Sample Results

AR-003085

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-205024/20-A

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205024

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	84		44 - 108
Nitrobenzene-d5 (Surr)	80		27 - 114
Terphenyl-d14 (Surr)	88		36 - 134

Lab Sample ID: 400-85339-A-1-I MS

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	0.013	U	2.19	1.78		mg/Kg	☼	81	10 - 150
Acenaphthylene	0.030	I	2.19	1.69		mg/Kg	☼	76	10 - 150
Anthracene	0.061	I	2.19	1.84		mg/Kg	☼	81	10 - 150
Benzo[a]anthracene	0.36	I	2.19	2.35		mg/Kg	☼	91	10 - 150
Benzo[a]pyrene	0.38	I	2.19	2.23		mg/Kg	☼	84	10 - 150
Benzo[b]fluoranthene	0.57		2.19	2.31		mg/Kg	☼	80	10 - 150
Benzo[g,h,i]perylene	0.12	I	2.19	1.36		mg/Kg	☼	56	10 - 150
Benzo[k]fluoranthene	0.21	I	2.19	2.09		mg/Kg	☼	86	10 - 150
Chrysene	0.49		2.19	2.35		mg/Kg	☼	85	10 - 150
Dibenz(a,h)anthracene	0.013	U	2.19	1.57		mg/Kg	☼	72	32 - 111
Fluoranthene	0.64		2.19	2.39		mg/Kg	☼	80	10 - 150
Fluorene	0.019	I	2.19	1.96		mg/Kg	☼	89	10 - 150
Indeno[1,2,3-cd]pyrene	0.13	I	2.19	1.59		mg/Kg	☼	66	10 - 150
Naphthalene	0.031	I	2.19	1.65		mg/Kg	☼	74	10 - 150
Phenanthrene	0.41	I	2.19	2.21		mg/Kg	☼	82	10 - 150
Pyrene	0.47		2.19	2.20		mg/Kg	☼	79	10 - 150
1-Methylnaphthalene	0.038	I	2.19	1.84		mg/Kg	☼	82	10 - 150
2-Methylnaphthalene	0.044	I	2.19	1.74		mg/Kg	☼	77	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	82		44 - 108
Nitrobenzene-d5 (Surr)	73		27 - 114
Terphenyl-d14 (Surr)	82		36 - 134

Lab Sample ID: 400-85339-A-1-J MSD

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	0.013	U	2.21	1.81		mg/Kg	☼	82	10 - 150	2	36
Acenaphthylene	0.030	I	2.21	1.79		mg/Kg	☼	80	10 - 150	6	29
Anthracene	0.061	I	2.21	1.99		mg/Kg	☼	87	10 - 150	8	30
Benzo[a]anthracene	0.36	I	2.21	2.52		mg/Kg	☼	98	10 - 150	7	33
Benzo[a]pyrene	0.38	I	2.21	2.46		mg/Kg	☼	94	10 - 150	10	30
Benzo[b]fluoranthene	0.57		2.21	2.68		mg/Kg	☼	96	10 - 150	15	31
Benzo[g,h,i]perylene	0.12	I	2.21	1.43		mg/Kg	☼	59	10 - 150	5	30
Benzo[k]fluoranthene	0.21	I	2.21	2.20		mg/Kg	☼	90	10 - 150	5	29
Chrysene	0.49		2.21	2.63		mg/Kg	☼	97	10 - 150	11	33
Dibenz(a,h)anthracene	0.013	U	2.21	1.67		mg/Kg	☼	75	32 - 111	6	30

TestAmerica Pensacola

QC Sample Results

AR-003086

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-85339-A-1-J MSD

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoranthene	0.64		2.21	2.81		mg/Kg	☼	98	10 - 150	16	42
Fluorene	0.019	I	2.21	2.03		mg/Kg	☼	91	10 - 150	3	36
Indeno[1,2,3-cd]pyrene	0.13	I	2.21	1.64		mg/Kg	☼	68	10 - 150	3	31
Naphthalene	0.031	I	2.21	1.80		mg/Kg	☼	80	10 - 150	9	33
Phenanthrene	0.41	I	2.21	2.48		mg/Kg	☼	94	10 - 150	11	34
Pyrene	0.47		2.21	2.52		mg/Kg	☼	93	10 - 150	14	45
1-Methylnaphthalene	0.038	I	2.21	1.99		mg/Kg	☼	88	10 - 150	8	29
2-Methylnaphthalene	0.044	I	2.21	1.90		mg/Kg	☼	84	10 - 150	9	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
2-Fluorobiphenyl	83		44 - 108								
Nitrobenzene-d5 (Surr)	79		27 - 114								
Terphenyl-d14 (Surr)	87		36 - 134								

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Lab Sample ID: MB 400-205008/18-A

Matrix: Solid

Analysis Batch: 205179

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205008

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.07	I	5.0	1.7	mg/Kg		01/20/14 08:30	01/21/14 19:43	1
Oil Range Organics (C28-C35)	2.17	I	5.0	1.7	mg/Kg		01/20/14 08:30	01/21/14 19:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	95		30 - 118				01/20/14 08:30	01/21/14 19:43	1

Lab Sample ID: LCS 400-205008/17-A

Matrix: Solid

Analysis Batch: 205179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205008

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	334	310		mg/Kg		93	61 - 136		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl (Surr)	105		30 - 118						

Lab Sample ID: 400-85521-1 MS

Matrix: Solid

Analysis Batch: 205179

Client Sample ID: 05-SS-01

Prep Type: Total/NA

Prep Batch: 205008

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	310		443	566		mg/Kg	☼	57	10 - 150		

TestAmerica Pensacola

QC Sample Results

AR-003087

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) (Continued)

Lab Sample ID: 400-85521-1 MS

Matrix: Solid

Analysis Batch: 205179

Client Sample ID: 05-SS-01

Prep Type: Total/NA

Prep Batch: 205008

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl (Surr)	77		30 - 118

Lab Sample ID: 400-85521-1 MSD

Matrix: Solid

Analysis Batch: 205179

Client Sample ID: 05-SS-01

Prep Type: Total/NA

Prep Batch: 205008

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limits
Diesel Range Organics [C10-C28]	310		442	528		mg/Kg	☼	49	10 - 150	7	40
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
<i>o</i> -Terphenyl (Surr)	60		30 - 118								

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 400-204983/1-A

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.19	U	0.48	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Arsenic	0.38	U	0.48	0.38	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Barium	0.19	U	0.96	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Cadmium	0.096	U	0.48	0.096	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Chromium	0.19	U	0.96	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Lead	0.19	U	0.48	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Selenium	0.433	I	0.96	0.38	mg/Kg		01/19/14 14:00	01/20/14 15:05	1

Lab Sample ID: LCS 400-204983/2-A

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	44.3	39.1		mg/Kg		88	74 - 126
Arsenic	151	135		mg/Kg		89	81 - 120
Barium	262	238		mg/Kg		91	83 - 117
Cadmium	152	141		mg/Kg		93	82 - 118
Chromium	117	109		mg/Kg		93	79 - 121
Lead	254	252		mg/Kg		99	81 - 119
Selenium	162	139		mg/Kg		86	77 - 122

Lab Sample ID: 400-85567-A-2-B MS

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.20	U	49.0	0.20	U J3	mg/Kg	☼	0	75 - 125

TestAmerica Pensacola

QC Sample Results

AR-003088

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85521-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 400-85567-A-2-B MS

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	7.1		98.0	6.91	J3	mg/Kg	✱	-0.2	75 - 125
Barium	2.8		98.0	2.49	J3	mg/Kg	✱	-0.3	75 - 125
Cadmium	0.098	U	49.0	0.098	U J3	mg/Kg	✱	0	75 - 125
Chromium	6.9		98.0	6.47	J3	mg/Kg	✱	-0.4	75 - 125
Lead	2.9		98.0	2.71	J3	mg/Kg	✱	-0.2	75 - 125
Selenium	0.85	I V	98.0	0.999	V J3	mg/Kg	✱	0.2	75 - 125

Lab Sample ID: 400-85567-A-2-C MSD

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.20	U	48.8	0.20	U J3	mg/Kg	✱	0	75 - 125	NC	20
Arsenic	7.1		97.6	6.27	J3	mg/Kg	✱	-0.8	75 - 125	10	20
Barium	2.8		97.6	2.36	J3	mg/Kg	✱	-0.4	75 - 125	5	20
Cadmium	0.098	U	48.8	0.098	U J3	mg/Kg	✱	0	75 - 125	NC	20
Chromium	6.9		97.6	6.38	J3	mg/Kg	✱	-0.5	75 - 125	1	20
Lead	2.9		97.6	2.73	J3	mg/Kg	✱	-0.2	75 - 125	1	20
Selenium	0.85	I V	97.6	1.01	V J3	mg/Kg	✱	0.2	75 - 125	1	20

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 400-205147/14-A

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.039	0.023	mg/Kg		01/21/14 09:03	01/22/14 11:57	1

Lab Sample ID: LCS 400-205147/15-A

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.76	4.73		mg/Kg		82	80 - 120

Lab Sample ID: 400-85522-A-1-E MS

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.030		0.183	0.188		mg/Kg	✱	86	75 - 125

Lab Sample ID: 400-85522-A-1-F MSD

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.030		0.180	0.188		mg/Kg	✱	88	75 - 125	0	20

TestAmerica Pensacola

Chain of Custody Record

Client Information Client Contact: Mr. John Barksdale Company: Barksdale & Associates Address: 105 South G Street City: Pensacola State, Zip: FL, 32502 Phone: 850-291-4704(Tel) Email: john@barksdaleandassociates.com Project Name: VIIS Caneel Bay Resort Site:		Lab PMT: Whitmire, Cheyenne R E-Mail: cheyenne.whitmire@testamerica.com Carrier Tracking No(s): COC No: 400-31086-17742.5 Page:	
Analysis Requested Due Date Requested: TAT Requested (days): 2 weeks PO #: Purchase Order not required WO #: Project #: 40000008 SSOW#:		Job #: Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)	
Sample Identification Sample ID: 05-SS-01 Sample ID: 05-SS-02 Sample ID: 05-SS-03 Sample ID: 05-SS-04 Sample ID: 05-SS-05-4b		Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air) Sample Type (C=Comp, G=grab) Sample Time Sample Date Field Filled Sample (Yes or No) Perform MS/MSD (Yes or No) 6016B, DRO (C10-C28) & ORO (C28-C40) 8270D - PAHs 6010C/7471A-RCRA 8 Total Number of Containers Special Instructions/Note:	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab Archive For: Months	
Empty Kit Relinquished by: Relinquished by: John Barksdale Relinquished Date: 1/16/14 Relinquished Time: 0850 Relinquished by:		Method of Shipment: Received by: Barksdale Received Date: 1/16/14 Received Time: 0850 Received by:	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 3.6°C IP-2	

Login Sample Receipt Checklist

Client: Barksdale & Associates

Job Number: 400-85521-1

Login Number: 85521

List Source: TestAmerica Pensacola

List Number: 1

Creator: Crawford, Lauren E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6°C IR-2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

AR-003091

Client: Barksdale & Associates

TestAmerica Job ID: 400-85521-1

Project/Site: VIIS CANEEL BAY RESORT

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-14
Arkansas DEQ	State Program	6	88-0689	09-01-14
Florida	NELAP	4	E81010	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200041	10-09-14
Iowa	State Program	7	367	08-01-14
Kansas	NELAP	7	E-10253	10-31-14
Kentucky (UST)	State Program	4	53	06-30-14
Louisiana	NELAP	6	30976	06-30-14
Maryland	State Program	3	233	09-30-14
Massachusetts	State Program	1	M-FL094	06-30-14
Michigan	State Program	5	9912	05-04-14
New Jersey	NELAP	2	FL006	06-30-14
North Carolina DENR	State Program	4	314	12-31-14
Oklahoma	State Program	6	9810	08-31-14
Pennsylvania	NELAP	3	68-00467	01-31-14
Rhode Island	State Program	1	LAO00307	12-30-14
South Carolina	State Program	4	96026	06-30-13 *
Tennessee	State Program	4	TN02907	06-30-14
Texas	NELAP	6	T104704286-12-5	09-30-14
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-14
West Virginia DEP	State Program	3	136	06-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pensacola

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-85522-1

Client Project/Site: VIIS CANEEL BAY RESORT

For:

Barksdale & Associates

105 South G Street

Pensacola, Florida 32502

Attn: Mr. John Barksdale



Authorized for release by:

1/31/2014 9:55:33 AM

Cheyenne Whitmire, Project Manager II

(850)474-1001

cheyenne.whitmire@testamericainc.com

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

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

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Case Narrative

AR-003094

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Job ID: 400-85522-1**Laboratory: TestAmerica Pensacola****Narrative****Job Narrative
400-85522-1****GC/MS Semi VOA**

Method(s) 8270D: The following samples were diluted due to the extracts color and oily appearance: 06-SS-01 (400-85522-1), 06-SS-02 (400-85522-2), 06-SS-03 (400-85522-3). Elevated reporting limits (RL) are provided.

GC Semi VOA

Method(s) 8015C: The method blank for batch 205008 contained C10-C28 and C28-C35 results above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8015C: The following sample was diluted to bring the concentration of target analytes within the calibration range: 06-SS-01 (400-85522-1). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: Surrogate recovery for the following sample was outside control limits: 06-SS-01 (400-85522-1). Re-extraction and/or re-analysis was performed with concurring results. Both sets of data have been reported.

Metals

Method(s) 6010C: Spike compounds were inadvertently omitted during the digestion process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for batch 204983. The associated laboratory control sample (LCS) and post-digestion spike (PDS) met acceptance criteria.

Method(s) 6010C: The method blank for batch 400-204983 contained selenium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method Summary

AR-003095

Client: Barksdale & Associates

TestAmerica Job ID: 400-85522-1

Project/Site: VIIS CANEEL BAY RESORT

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8015C	Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	SW846	TAL PEN
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PEN
6010C	Metals (ICP)	SW846	TAL PEN
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PEN
Moisture	Percent Moisture	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

AR-003096

Client: Barksdale & Associates

TestAmerica Job ID: 400-85522-1

Project/Site: VIIS CANEEL BAY RESORT

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-85522-1	06-SS-01	Solid	01/13/14 15:45	01/17/14 09:05
400-85522-2	06-SS-02	Solid	01/13/14 15:55	01/17/14 09:05
400-85522-3	06-SS-03	Solid	01/13/14 16:00	01/17/14 09:05

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Client Sample Results

AR-003097

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Client Sample ID: 06-SS-01

Lab Sample ID: 400-85522-1

Date Collected: 01/13/14 15:45

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 84.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Acenaphthylene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Anthracene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Benzo[a]anthracene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Benzo[a]pyrene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Benzo[b]fluoranthene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Benzo[g,h,i]perylene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Benzo[k]fluoranthene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Chrysene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Dibenz[a,h]anthracene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Fluoranthene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Fluorene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Indeno[1,2,3-cd]pyrene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Naphthalene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Phenanthrene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
Pyrene	0.066	I	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
1-Methylnaphthalene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5
2-Methylnaphthalene	0.059	U	1.9	0.059	mg/Kg	☼	01/20/14 08:55	01/21/14 18:20	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	94		44 - 108	01/20/14 08:55	01/21/14 18:20	5
Nitrobenzene-d5 (Surr)	114		27 - 114	01/20/14 08:55	01/21/14 18:20	5
Terphenyl-d14 (Surr)	101		36 - 134	01/20/14 08:55	01/21/14 18:20	5

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (C28-C35)	4100		120	40	mg/Kg	☼	01/20/14 08:30	01/22/14 13:25	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	78		30 - 118	01/20/14 08:30	01/22/14 13:25	20

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0026	U	0.010	0.0026	mg/Kg	☼	01/21/14 11:39	01/24/14 17:40	1
PCB-1221	0.0088	U	0.010	0.0088	mg/Kg	☼	01/21/14 11:39	01/24/14 17:40	1
PCB-1232	0.0094	U	0.010	0.0094	mg/Kg	☼	01/21/14 11:39	01/24/14 17:40	1
PCB-1242	0.0059	U	0.010	0.0059	mg/Kg	☼	01/21/14 11:39	01/24/14 17:40	1
PCB-1248	0.0019	U	0.010	0.0019	mg/Kg	☼	01/21/14 11:39	01/24/14 17:40	1
PCB-1254	0.0033	U	0.010	0.0033	mg/Kg	☼	01/21/14 11:39	01/24/14 17:40	1
PCB-1260	0.0036	U	0.010	0.0036	mg/Kg	☼	01/21/14 11:39	01/24/14 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0.01	J1	30 - 150	01/21/14 11:39	01/24/14 17:40	1
Tetrachloro-m-xylene	0.0009	J1	43 - 142	01/21/14 11:39	01/24/14 17:40	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.23	U	0.58	0.23	mg/Kg	☼	01/19/14 14:00	01/20/14 15:32	1
Arsenic	5.3		0.58	0.46	mg/Kg	☼	01/19/14 14:00	01/20/14 15:32	1
Barium	47		1.2	0.23	mg/Kg	☼	01/19/14 14:00	01/20/14 15:32	1
Cadmium	0.35	I	0.58	0.12	mg/Kg	☼	01/19/14 14:00	01/20/14 15:32	1

TestAmerica Pensacola

Client Sample Results

AR-003098

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Client Sample ID: 06-SS-01

Lab Sample ID: 400-85522-1

Date Collected: 01/13/14 15:45

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 84.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	45		1.2	0.23	mg/Kg	☼	01/19/14 14:00	01/20/14 15:32	1
Lead	14		0.58	0.23	mg/Kg	☼	01/19/14 14:00	01/20/14 15:32	1
Selenium	0.77	IV	1.2	0.46	mg/Kg	☼	01/19/14 14:00	01/20/14 15:32	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.016	0.0099	mg/Kg	☼	01/21/14 09:03	01/22/14 12:08	1

Client Sample Results

AR-003099

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Client Sample ID: 06-SS-02

Lab Sample ID: 400-85522-2

Date Collected: 01/13/14 15:55

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 54.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Acenaphthylene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Anthracene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Benzo[a]anthracene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Benzo[a]pyrene	0.049	I	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Benzo[b]fluoranthene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Benzo[g,h,i]perylene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Benzo[k]fluoranthene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Chrysene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Dibenz[a,h]anthracene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Fluoranthene	0.062	I	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Fluorene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Indeno[1,2,3-cd]pyrene	0.042	I	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Naphthalene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Phenanthrene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
Pyrene	0.080	I	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
1-Methylnaphthalene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2
2-Methylnaphthalene	0.036	U	1.2	0.036	mg/Kg	☼	01/20/14 08:55	01/23/14 10:53	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		44 - 108	01/20/14 08:55	01/23/14 10:53	2
Nitrobenzene-d5 (Surr)	75		27 - 114	01/20/14 08:55	01/23/14 10:53	2
Terphenyl-d14 (Surr)	67		36 - 134	01/20/14 08:55	01/23/14 10:53	2

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (C28-C35)	52		9.1	3.1	mg/Kg	☼	01/20/14 08:30	01/21/14 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	96		30 - 118	01/20/14 08:30	01/21/14 21:23	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0040	U	0.016	0.0040	mg/Kg	☼	01/21/14 11:39	01/24/14 18:30	1
PCB-1221	0.014	U	0.016	0.014	mg/Kg	☼	01/21/14 11:39	01/24/14 18:30	1
PCB-1232	0.015	U	0.016	0.015	mg/Kg	☼	01/21/14 11:39	01/24/14 18:30	1
PCB-1242	0.0091	U	0.016	0.0091	mg/Kg	☼	01/21/14 11:39	01/24/14 18:30	1
PCB-1248	0.0030	U	0.016	0.0030	mg/Kg	☼	01/21/14 11:39	01/24/14 18:30	1
PCB-1254	0.0051	U	0.016	0.0051	mg/Kg	☼	01/21/14 11:39	01/24/14 18:30	1
PCB-1260	0.0056	U	0.016	0.0056	mg/Kg	☼	01/21/14 11:39	01/24/14 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		30 - 150	01/21/14 11:39	01/24/14 18:30	1
Tetrachloro-m-xylene	100		43 - 142	01/21/14 11:39	01/24/14 18:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.62	I	0.83	0.33	mg/Kg	☼	01/19/14 14:00	01/20/14 15:46	1
Arsenic	5.6		0.83	0.67	mg/Kg	☼	01/19/14 14:00	01/20/14 15:46	1
Barium	70		1.7	0.33	mg/Kg	☼	01/19/14 14:00	01/20/14 15:46	1
Cadmium	0.65	I	0.83	0.17	mg/Kg	☼	01/19/14 14:00	01/20/14 15:46	1

TestAmerica Pensacola

Client Sample Results

AR-003100

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Client Sample ID: 06-SS-02

Lab Sample ID: 400-85522-2

Date Collected: 01/13/14 15:55

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 54.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	71		1.7	0.33	mg/Kg	☼	01/19/14 14:00	01/20/14 15:46	1
Lead	23		0.83	0.33	mg/Kg	☼	01/19/14 14:00	01/20/14 15:46	1
Selenium	1.0	IV	1.7	0.67	mg/Kg	☼	01/19/14 14:00	01/20/14 15:46	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27		0.026	0.015	mg/Kg	☼	01/21/14 09:03	01/22/14 12:22	1

Client Sample Results

AR-003101

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Client Sample ID: 06-SS-03

Lab Sample ID: 400-85522-3

Date Collected: 01/13/14 16:00

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 81.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.065	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Acenaphthylene	0.024	U	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Anthracene	0.12	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Benzo[a]anthracene	0.20	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Benzo[a]pyrene	0.16	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Benzo[b]fluoranthene	0.20	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Benzo[g,h,i]perylene	0.085	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Benzo[k]fluoranthene	0.069	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Chrysene	0.17	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Dibenz(a,h)anthracene	0.024	U	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Fluoranthene	0.43	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Fluorene	0.041	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Indeno[1,2,3-cd]pyrene	0.085	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Naphthalene	0.024	U	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Phenanthrene	0.41	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
Pyrene	0.36	I	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
1-Methylnaphthalene	0.024	U	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2
2-Methylnaphthalene	0.024	U	0.81	0.024	mg/Kg	☼	01/20/14 08:55	01/23/14 11:27	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		44 - 108	01/20/14 08:55	01/23/14 11:27	2
Nitrobenzene-d5 (Surr)	81		27 - 114	01/20/14 08:55	01/23/14 11:27	2
Terphenyl-d14 (Surr)	70		36 - 134	01/20/14 08:55	01/23/14 11:27	2

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (C28-C35)	3.6	I V	6.1	2.1	mg/Kg	☼	01/20/14 08:30	01/21/14 21:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	87		30 - 118	01/20/14 08:30	01/21/14 21:33	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0027	U	0.010	0.0027	mg/Kg	☼	01/21/14 11:39	01/24/14 18:55	1
PCB-1221	0.0092	U	0.010	0.0092	mg/Kg	☼	01/21/14 11:39	01/24/14 18:55	1
PCB-1232	0.0098	U	0.010	0.0098	mg/Kg	☼	01/21/14 11:39	01/24/14 18:55	1
PCB-1242	0.0061	U	0.010	0.0061	mg/Kg	☼	01/21/14 11:39	01/24/14 18:55	1
PCB-1248	0.0020	U	0.010	0.0020	mg/Kg	☼	01/21/14 11:39	01/24/14 18:55	1
PCB-1254	0.0034	U	0.010	0.0034	mg/Kg	☼	01/21/14 11:39	01/24/14 18:55	1
PCB-1260	0.0037	U	0.010	0.0037	mg/Kg	☼	01/21/14 11:39	01/24/14 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		30 - 150	01/21/14 11:39	01/24/14 18:55	1
Tetrachloro-m-xylene	103		43 - 142	01/21/14 11:39	01/24/14 18:55	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.24	U	0.60	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:49	1
Arsenic	4.0		0.60	0.48	mg/Kg	☼	01/19/14 14:00	01/20/14 15:49	1
Barium	55		1.2	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:49	1
Cadmium	0.28	I	0.60	0.12	mg/Kg	☼	01/19/14 14:00	01/20/14 15:49	1

TestAmerica Pensacola

Client Sample Results

AR-003102

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Client Sample ID: 06-SS-03

Lab Sample ID: 400-85522-3

Date Collected: 01/13/14 16:00

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 81.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	63		1.2	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:49	1
Lead	19		0.60	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:49	1
Selenium	0.48	U	1.2	0.48	mg/Kg	☼	01/19/14 14:00	01/20/14 15:49	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	I	0.019	0.012	mg/Kg	☼	01/21/14 09:03	01/22/14 12:23	1

Definitions/Glossary

AR-003103

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

GC Semi VOA

Qualifier	Qualifier Description
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Glossary

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

TestAmerica Pensacola

Lab Chronicle

AR-003104

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Client Sample ID: 06-SS-01

Date Collected: 01/13/14 15:45

Date Received: 01/17/14 09:05

Lab Sample ID: 400-85522-1

Matrix: Solid

Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		5	205079	01/21/14 18:20	KJA	TAL PEN
Total/NA	Prep	3550C			205008	01/20/14 08:30	RDT	TAL PEN
Total/NA	Analysis	8015C		20	205347	01/22/14 13:25	IDR	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205862	01/24/14 17:40	VC1	TAL PEN
Total/NA	Prep	3550C			205918	01/28/14 08:38	RDT	TAL PEN
Total/NA	Analysis	8082A		1	206023	01/30/14 11:48	VC1	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 15:32	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:08	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205191	01/20/14 17:00	VC2	TAL PEN

Client Sample ID: 06-SS-02

Date Collected: 01/13/14 15:55

Date Received: 01/17/14 09:05

Lab Sample ID: 400-85522-2

Matrix: Solid

Percent Solids: 54.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		2	205357	01/23/14 10:53	KJA	TAL PEN
Total/NA	Prep	3550C			205008	01/20/14 08:30	RDT	TAL PEN
Total/NA	Analysis	8015C		1	205179	01/21/14 21:23	IDR	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205862	01/24/14 18:30	VC1	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 15:46	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:22	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205191	01/20/14 17:00	VC2	TAL PEN

Client Sample ID: 06-SS-03

Date Collected: 01/13/14 16:00

Date Received: 01/17/14 09:05

Lab Sample ID: 400-85522-3

Matrix: Solid

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		2	205357	01/23/14 11:27	KJA	TAL PEN
Total/NA	Prep	3550C			205008	01/20/14 08:30	RDT	TAL PEN
Total/NA	Analysis	8015C		1	205179	01/21/14 21:33	IDR	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205862	01/24/14 18:55	VC1	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003105

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Client Sample ID: 06-SS-03**Lab Sample ID: 400-85522-3****Date Collected: 01/13/14 16:00****Matrix: Solid****Date Received: 01/17/14 09:05****Percent Solids: 81.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	205127	01/20/14 15:49	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:23	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205246	01/21/14 16:30	LEC	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

AR-003106

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

GC/MS Semi VOA

Prep Batch: 205024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85339-A-1-I MS	Matrix Spike	Total/NA	Solid	3550C	
400-85339-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
400-85522-1	06-SS-01	Total/NA	Solid	3550C	
400-85522-2	06-SS-02	Total/NA	Solid	3550C	
400-85522-3	06-SS-03	Total/NA	Solid	3550C	
LCS 400-205024/20-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 400-205024/21-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 205076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85339-A-1-I MS	Matrix Spike	Total/NA	Solid	8270D	205024
400-85339-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	205024
LCS 400-205024/20-A	Lab Control Sample	Total/NA	Solid	8270D	205024
MB 400-205024/21-A	Method Blank	Total/NA	Solid	8270D	205024

Analysis Batch: 205079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	8270D	205024

Analysis Batch: 205357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-2	06-SS-02	Total/NA	Solid	8270D	205024
400-85522-3	06-SS-03	Total/NA	Solid	8270D	205024

GC Semi VOA

Prep Batch: 205008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85521-A-1-C MS	Matrix Spike	Total/NA	Solid	3550C	
400-85521-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
400-85522-1	06-SS-01	Total/NA	Solid	3550C	
400-85522-2	06-SS-02	Total/NA	Solid	3550C	
400-85522-3	06-SS-03	Total/NA	Solid	3550C	
LCS 400-205008/17-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 400-205008/18-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 205179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85521-A-1-C MS	Matrix Spike	Total/NA	Solid	8015C	205008
400-85521-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015C	205008
400-85522-2	06-SS-02	Total/NA	Solid	8015C	205008
400-85522-3	06-SS-03	Total/NA	Solid	8015C	205008
LCS 400-205008/17-A	Lab Control Sample	Total/NA	Solid	8015C	205008
MB 400-205008/18-A	Method Blank	Total/NA	Solid	8015C	205008

Prep Batch: 205185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	3550C	
400-85522-2	06-SS-02	Total/NA	Solid	3550C	
400-85522-3	06-SS-03	Total/NA	Solid	3550C	

TestAmerica Pensacola

QC Association Summary

AR-003107

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

GC Semi VOA (Continued)

Prep Batch: 205185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-A-5-N MS	Matrix Spike	Total/NA	Solid	3550C	
400-85526-A-5-O MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
LCS 400-205185/24-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 400-205185/25-B	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 205347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	8015C	205008

Analysis Batch: 205862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	8082A	205185
400-85522-2	06-SS-02	Total/NA	Solid	8082A	205185
400-85522-3	06-SS-03	Total/NA	Solid	8082A	205185
400-85526-A-5-N MS	Matrix Spike	Total/NA	Solid	8082A	205185
400-85526-A-5-O MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	205185
LCS 400-205185/24-A	Lab Control Sample	Total/NA	Solid	8082A	205185
MB 400-205185/25-B	Method Blank	Total/NA	Solid	8082A	205185

Prep Batch: 205918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	3550C	
LCS 400-205918/4-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 400-205918/5-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 206023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	8082A	205918
LCS 400-205918/4-A	Lab Control Sample	Total/NA	Solid	8082A	205918
MB 400-205918/5-A	Method Blank	Total/NA	Solid	8082A	205918

Metals

Prep Batch: 204983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	3050B	
400-85522-2	06-SS-02	Total/NA	Solid	3050B	
400-85522-3	06-SS-03	Total/NA	Solid	3050B	
400-85567-A-2-B MS	Matrix Spike	Total/NA	Solid	3050B	
400-85567-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	
LCS 400-204983/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 400-204983/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 205127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	6010C	204983
400-85522-2	06-SS-02	Total/NA	Solid	6010C	204983
400-85522-3	06-SS-03	Total/NA	Solid	6010C	204983
400-85567-A-2-B MS	Matrix Spike	Total/NA	Solid	6010C	204983
400-85567-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	204983

TestAmerica Pensacola

QC Association Summary

AR-003108

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Metals (Continued)

Analysis Batch: 205127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-204983/2-A	Lab Control Sample	Total/NA	Solid	6010C	204983
MB 400-204983/1-A	Method Blank	Total/NA	Solid	6010C	204983

Prep Batch: 205147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	7471B	
400-85522-1 MS	06-SS-01	Total/NA	Solid	7471B	
400-85522-1 MSD	06-SS-01	Total/NA	Solid	7471B	
400-85522-2	06-SS-02	Total/NA	Solid	7471B	
400-85522-3	06-SS-03	Total/NA	Solid	7471B	
LCS 400-205147/15-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 400-205147/14-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 205374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	7471B	205147
400-85522-1 MS	06-SS-01	Total/NA	Solid	7471B	205147
400-85522-1 MSD	06-SS-01	Total/NA	Solid	7471B	205147
400-85522-2	06-SS-02	Total/NA	Solid	7471B	205147
400-85522-3	06-SS-03	Total/NA	Solid	7471B	205147
LCS 400-205147/15-A	Lab Control Sample	Total/NA	Solid	7471B	205147
MB 400-205147/14-A	Method Blank	Total/NA	Solid	7471B	205147

General Chemistry

Analysis Batch: 205191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-1	06-SS-01	Total/NA	Solid	Moisture	
400-85522-2	06-SS-02	Total/NA	Solid	Moisture	

Analysis Batch: 205246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-3	06-SS-03	Total/NA	Solid	Moisture	

TestAmerica Pensacola

QC Sample Results

AR-003109

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-205024/21-A

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Acenaphthylene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[a]anthracene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[a]pyrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[b]fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[g,h,i]perylene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[k]fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Chrysene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Dibenz(a,h)anthracene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Fluorene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Indeno[1,2,3-cd]pyrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Naphthalene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Phenanthrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Pyrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
1-Methylnaphthalene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
2-Methylnaphthalene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		44 - 108	01/20/14 08:55	01/21/14 16:43	1
Nitrobenzene-d5 (Surr)	79		27 - 114	01/20/14 08:55	01/21/14 16:43	1
Terphenyl-d14 (Surr)	89		36 - 134	01/20/14 08:55	01/21/14 16:43	1

Lab Sample ID: LCS 400-205024/20-A

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.40		mg/Kg		84	62 - 120
Acenaphthylene	1.67	1.32		mg/Kg		79	61 - 120
Anthracene	1.67	1.41		mg/Kg		85	68 - 120
Benzo[a]anthracene	1.67	1.55		mg/Kg		93	67 - 120
Benzo[a]pyrene	1.67	1.59		mg/Kg		95	64 - 120
Benzo[b]fluoranthene	1.67	1.48		mg/Kg		89	58 - 121
Benzo[g,h,i]perylene	1.67	1.50		mg/Kg		90	49 - 151
Benzo[k]fluoranthene	1.67	1.50		mg/Kg		90	61 - 123
Chrysene	1.67	1.53		mg/Kg		92	65 - 120
Dibenz(a,h)anthracene	1.67	1.61		mg/Kg		97	58 - 130
Fluoranthene	1.67	1.53		mg/Kg		92	67 - 123
Fluorene	1.67	1.50		mg/Kg		90	64 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.55		mg/Kg		93	55 - 133
Naphthalene	1.67	1.36		mg/Kg		82	59 - 120
Phenanthrene	1.67	1.42		mg/Kg		85	62 - 130
Pyrene	1.67	1.37		mg/Kg		82	57 - 127
1-Methylnaphthalene	1.67	1.44		mg/Kg		86	66 - 120
2-Methylnaphthalene	1.67	1.42		mg/Kg		85	64 - 120

TestAmerica Pensacola

QC Sample Results

AR-003110

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-205024/20-A

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205024

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	84		44 - 108
Nitrobenzene-d5 (Surr)	80		27 - 114
Terphenyl-d14 (Surr)	88		36 - 134

Lab Sample ID: 400-85339-A-1-I MS

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	0.013	U	2.19	1.78		mg/Kg	☼	81	10 - 150
Acenaphthylene	0.030	I	2.19	1.69		mg/Kg	☼	76	10 - 150
Anthracene	0.061	I	2.19	1.84		mg/Kg	☼	81	10 - 150
Benzo[a]anthracene	0.36	I	2.19	2.35		mg/Kg	☼	91	10 - 150
Benzo[a]pyrene	0.38	I	2.19	2.23		mg/Kg	☼	84	10 - 150
Benzo[b]fluoranthene	0.57		2.19	2.31		mg/Kg	☼	80	10 - 150
Benzo[g,h,i]perylene	0.12	I	2.19	1.36		mg/Kg	☼	56	10 - 150
Benzo[k]fluoranthene	0.21	I	2.19	2.09		mg/Kg	☼	86	10 - 150
Chrysene	0.49		2.19	2.35		mg/Kg	☼	85	10 - 150
Dibenz(a,h)anthracene	0.013	U	2.19	1.57		mg/Kg	☼	72	32 - 111
Fluoranthene	0.64		2.19	2.39		mg/Kg	☼	80	10 - 150
Fluorene	0.019	I	2.19	1.96		mg/Kg	☼	89	10 - 150
Indeno[1,2,3-cd]pyrene	0.13	I	2.19	1.59		mg/Kg	☼	66	10 - 150
Naphthalene	0.031	I	2.19	1.65		mg/Kg	☼	74	10 - 150
Phenanthrene	0.41	I	2.19	2.21		mg/Kg	☼	82	10 - 150
Pyrene	0.47		2.19	2.20		mg/Kg	☼	79	10 - 150
1-Methylnaphthalene	0.038	I	2.19	1.84		mg/Kg	☼	82	10 - 150
2-Methylnaphthalene	0.044	I	2.19	1.74		mg/Kg	☼	77	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	82		44 - 108
Nitrobenzene-d5 (Surr)	73		27 - 114
Terphenyl-d14 (Surr)	82		36 - 134

Lab Sample ID: 400-85339-A-1-J MSD

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	0.013	U	2.21	1.81		mg/Kg	☼	82	10 - 150	2	36
Acenaphthylene	0.030	I	2.21	1.79		mg/Kg	☼	80	10 - 150	6	29
Anthracene	0.061	I	2.21	1.99		mg/Kg	☼	87	10 - 150	8	30
Benzo[a]anthracene	0.36	I	2.21	2.52		mg/Kg	☼	98	10 - 150	7	33
Benzo[a]pyrene	0.38	I	2.21	2.46		mg/Kg	☼	94	10 - 150	10	30
Benzo[b]fluoranthene	0.57		2.21	2.68		mg/Kg	☼	96	10 - 150	15	31
Benzo[g,h,i]perylene	0.12	I	2.21	1.43		mg/Kg	☼	59	10 - 150	5	30
Benzo[k]fluoranthene	0.21	I	2.21	2.20		mg/Kg	☼	90	10 - 150	5	29
Chrysene	0.49		2.21	2.63		mg/Kg	☼	97	10 - 150	11	33
Dibenz(a,h)anthracene	0.013	U	2.21	1.67		mg/Kg	☼	75	32 - 111	6	30

TestAmerica Pensacola

QC Sample Results

AR-003111

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-85339-A-1-J MSD

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoranthene	0.64		2.21	2.81		mg/Kg	☼	98	10 - 150	16	42
Fluorene	0.019	I	2.21	2.03		mg/Kg	☼	91	10 - 150	3	36
Indeno[1,2,3-cd]pyrene	0.13	I	2.21	1.64		mg/Kg	☼	68	10 - 150	3	31
Naphthalene	0.031	I	2.21	1.80		mg/Kg	☼	80	10 - 150	9	33
Phenanthrene	0.41	I	2.21	2.48		mg/Kg	☼	94	10 - 150	11	34
Pyrene	0.47		2.21	2.52		mg/Kg	☼	93	10 - 150	14	45
1-Methylnaphthalene	0.038	I	2.21	1.99		mg/Kg	☼	88	10 - 150	8	29
2-Methylnaphthalene	0.044	I	2.21	1.90		mg/Kg	☼	84	10 - 150	9	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
2-Fluorobiphenyl	83		44 - 108								
Nitrobenzene-d5 (Surr)	79		27 - 114								
Terphenyl-d14 (Surr)	87		36 - 134								

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Lab Sample ID: MB 400-205008/18-A

Matrix: Solid

Analysis Batch: 205179

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205008

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (C28-C35)	2.17	I	5.0	1.7	mg/Kg		01/20/14 08:30	01/21/14 19:43	1

Lab Sample ID: LCS 400-205008/17-A

Matrix: Solid

Analysis Batch: 205179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205008

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	334	310		mg/Kg		93	61 - 136		

Lab Sample ID: 400-85521-A-1-C MS

Matrix: Solid

Analysis Batch: 205179

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205008

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	310		443	566		mg/Kg	☼	57	10 - 150		

Lab Sample ID: 400-85521-A-1-D MSD

Matrix: Solid

Analysis Batch: 205179

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205008

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	310		442	528		mg/Kg	☼	49	10 - 150	7	40

TestAmerica Pensacola

QC Sample Results

AR-003112

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 400-205185/25-B

Matrix: Solid

Analysis Batch: 205862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0022	U	0.0085	0.0022	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1221	0.0075	U	0.0085	0.0075	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1232	0.0080	U	0.0085	0.0080	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1242	0.0050	U	0.0085	0.0050	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1248	0.0016	U	0.0085	0.0016	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1254	0.0028	U	0.0085	0.0028	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1260	0.0030	U	0.0085	0.0030	mg/Kg		01/21/14 11:39	01/24/14 13:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		30 - 150	01/21/14 11:39	01/24/14 13:55	1
Tetrachloro-m-xylene	98		43 - 142	01/21/14 11:39	01/24/14 13:55	1

Lab Sample ID: LCS 400-205185/24-A

Matrix: Solid

Analysis Batch: 205862

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.166	0.156		mg/Kg		94	54 - 126
PCB-1260	0.166	0.144		mg/Kg		87	56 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	71		30 - 150
Tetrachloro-m-xylene	95		43 - 142

Lab Sample ID: 400-85526-A-5-N MS

Matrix: Solid

Analysis Batch: 205862

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.0024	U	0.182	0.184		mg/Kg	☼	101	15 - 150
PCB-1260	0.0034	U	0.182	0.175		mg/Kg	☼	96	21 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	75		30 - 150
Tetrachloro-m-xylene	113		43 - 142

Lab Sample ID: 400-85526-A-5-O MSD

Matrix: Solid

Analysis Batch: 205862

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	0.0024	U	0.184	0.186		mg/Kg	☼	101	15 - 150	1	42
PCB-1260	0.0034	U	0.184	0.183		mg/Kg	☼	99	21 - 150	4	29

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	74		30 - 150
Tetrachloro-m-xylene	106		43 - 142

TestAmerica Pensacola

QC Sample Results

AR-003113

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 400-204983/1-A

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.19	U	0.48	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Arsenic	0.38	U	0.48	0.38	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Barium	0.19	U	0.96	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Cadmium	0.096	U	0.48	0.096	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Chromium	0.19	U	0.96	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Lead	0.19	U	0.48	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Selenium	0.433	I	0.96	0.38	mg/Kg		01/19/14 14:00	01/20/14 15:05	1

Lab Sample ID: LCS 400-204983/2-A

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	44.3	39.1		mg/Kg		88	74 - 126
Arsenic	151	135		mg/Kg		89	81 - 120
Barium	262	238		mg/Kg		91	83 - 117
Cadmium	152	141		mg/Kg		93	82 - 118
Chromium	117	109		mg/Kg		93	79 - 121
Lead	254	252		mg/Kg		99	81 - 119
Selenium	162	139		mg/Kg		86	77 - 122

Lab Sample ID: 400-85567-A-2-B MS

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.20	U	49.0	0.20	U J3	mg/Kg	✱	0	75 - 125
Arsenic	7.1		98.0	6.91	J3	mg/Kg	✱	-0.2	75 - 125
Barium	2.8		98.0	2.49	J3	mg/Kg	✱	-0.3	75 - 125
Cadmium	0.098	U	49.0	0.098	U J3	mg/Kg	✱	0	75 - 125
Chromium	6.9		98.0	6.47	J3	mg/Kg	✱	-0.4	75 - 125
Lead	2.9		98.0	2.71	J3	mg/Kg	✱	-0.2	75 - 125
Selenium	0.85	I V	98.0	0.999	V J3	mg/Kg	✱	0.2	75 - 125

Lab Sample ID: 400-85567-A-2-C MSD

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.20	U	48.8	0.20	U J3	mg/Kg	✱	0	75 - 125	NC	20
Arsenic	7.1		97.6	6.27	J3	mg/Kg	✱	-0.8	75 - 125	10	20
Barium	2.8		97.6	2.36	J3	mg/Kg	✱	-0.4	75 - 125	5	20
Cadmium	0.098	U	48.8	0.098	U J3	mg/Kg	✱	0	75 - 125	NC	20
Chromium	6.9		97.6	6.38	J3	mg/Kg	✱	-0.5	75 - 125	1	20
Lead	2.9		97.6	2.73	J3	mg/Kg	✱	-0.2	75 - 125	1	20
Selenium	0.85	I V	97.6	1.01	V J3	mg/Kg	✱	0.2	75 - 125	1	20

TestAmerica Pensacola

QC Sample Results

AR-003114

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 400-205147/14-A

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.039	0.023	mg/Kg		01/21/14 09:03	01/22/14 11:57	1

Lab Sample ID: LCS 400-205147/15-A

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.76	4.73		mg/Kg		82	80 - 120

Lab Sample ID: 400-85522-1 MS

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: 06-SS-01

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.030		0.183	0.188		mg/Kg	☼	86	75 - 125

Lab Sample ID: 400-85522-1 MSD

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: 06-SS-01

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.030		0.180	0.188		mg/Kg	☼	88	75 - 125	0	20

TestAmerica Pensacola

Chain of Custody Record

Client Information Client Contact: Mr. John Barksdale Company: Barksdale & Associates Address: 105 South G Street City: Pensacola State, Zip: FL, 32502 Phone: 850-291-4704(Tel) Email: john@barksdaleandassociates.com Project Name: VIIS Caneel Bay Resort Site:		Sampler: John Barksdale Lab POC: Whitmire, Cheyenne R Carrier Tracking No(s): E-Mail: cheyenne.whitmire@testamericainc.com COC No: 400-31086-17742.6 Page:	
Due Date Requested: TAT Requested (days): 2 weeks PO #: Purchase Order not required WO #:		Job #:	
Analysis Requested		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2SO3 Q - Na2SO4 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 L - EDA Other:	
Sample Identification 06 - SS-01 06 - SS-02 06 - SS-03		Total Number of Containers:	
Sample Date: 1/13/14 Sample Time: 1545 Sample Type (C=comp, G=grab): Solid Matrix (W=water, S=solid, O=waste/oil): Solid Field Filtered Sample (Yes or No): Perform MS/MSD (Yes or No): 8016B, ORO (C28-C40) 8270D - PAHs 8082 - PCBs 6010C/7471A - RCRA 8		Special Instructions/Note:	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab Archive For: Months	
Empty Kit Relinquished by: John Barksdale Relinquished by: John Barksdale Relinquished by:		Method of Shipment:	
Date/Time: 1/16/14 0850 Date/Time:		Date/Time: 1-17-14 905 Date/Time:	
Date/Time:		Date/Time:	
Custody Seal No.: Custody Seals Intact: ☐ Yes ☐ No		Cooler Temperature(s) °C and Other Remarks: 36°C ID-2	

Login Sample Receipt Checklist

Client: Barksdale & Associates

Job Number: 400-85522-1

Login Number: 85522

List Source: TestAmerica Pensacola

List Number: 1

Creator: Crawford, Lauren E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6°C IR-2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

AR-003117

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85522-1

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-14
Arkansas DEQ	State Program	6	88-0689	09-01-14
Florida	NELAP	4	E81010	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200041	10-09-14
Iowa	State Program	7	367	08-01-14
Kansas	NELAP	7	E-10253	10-31-14
Kentucky (UST)	State Program	4	53	06-30-14
Louisiana	NELAP	6	30976	06-30-14
Maryland	State Program	3	233	09-30-14
Massachusetts	State Program	1	M-FL094	06-30-14
Michigan	State Program	5	9912	05-04-14
New Jersey	NELAP	2	FL006	06-30-14
North Carolina DENR	State Program	4	314	12-31-14
Oklahoma	State Program	6	9810	08-31-14
Pennsylvania	NELAP	3	68-00467	01-31-14
Rhode Island	State Program	1	LAO00307	12-30-14
South Carolina	State Program	4	96026	06-30-13 *
Tennessee	State Program	4	TN02907	06-30-14
Texas	NELAP	6	T104704286-12-5	09-30-14
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-14
West Virginia DEP	State Program	3	136	06-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pensacola

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-85526-1

Client Project/Site: VIIS CANEEL BAY RESORT

For:

Barksdale & Associates

105 South G Street

Pensacola, Florida 32502

Attn: Mr. John Barksdale



Authorized for release by:

2/4/2014 10:42:55 AM

Cheyenne Whitmire, Project Manager II

(850)474-1001

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

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

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Case Narrative

AR-003120

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Job ID: 400-85526-1**Laboratory: TestAmerica Pensacola****Narrative****Job Narrative
400-85526-1****GC/MS Semi VOA**

Method(s) 8141A: The continuing calibration verification (CCV) associated with batch 205698 recovered above the upper control limit for Dichlorvos. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 07-SS-01 (400-85526-1), 07-SS-02 (400-85526-2), 07-SS-04 (400-85526-4), 07-SS-05 (400-85526-5).

Method(s) 8270D: The following samples were diluted due to the extracts color and oily appearance: 07-SS-01 (400-85526-1), 07-SS-02 (400-85526-2), 07-SS-03 (400-85526-3), 07-SS-04 (400-85526-4). Elevated reporting limits (RL) are provided.

GC Semi VOA

Method(s) 8151A: The following sample were diluted due to dark, yellow color: 07-SS-02 (400-85526-2), 07-SS-03 (400-85526-3), 07-SS-04 (400-85526-4), 07-SS-05 (400-85526-5). Elevated reporting limits (RL) are provided.

Method(s) 8151A: The continuing calibration verification (CCV) associated with batch 205585 recovered above the upper control limit for Dalapon. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 07-SS-01 (400-85526-1), 07-SS-02 (400-85526-2), 07-SS-03 (400-85526-3), 07-SS-04 (400-85526-4), 07-SS-05 (400-85526-5).

Metals

Method(s) 6010C: Spike compounds were inadvertently omitted during the digestion process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for batch 204983. The associated laboratory control sample (LCS) and post-digestion spike (PDS) met acceptance criteria.

Method(s) 6010C: The method blank for batch 400-204983 contained selenium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method Summary

AR-003121

Client: Barksdale & Associates

TestAmerica Job ID: 400-85526-1

Project/Site: VIIS CANEEL BAY RESORT

Method	Method Description	Protocol	Laboratory
8141A	Organophosphorous Pesticides (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8081B	Organochlorine Pesticides (GC)	SW846	TAL PEN
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PEN
8151A	Herbicides (GC)	SW846	TAL PEN
6010C	Metals (ICP)	SW846	TAL PEN
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PEN
Moisture	Percent Moisture	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

AR-003122

Client: Barksdale & Associates

TestAmerica Job ID: 400-85526-1

Project/Site: VIIS CANEEL BAY RESORT

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-85526-1	07-SS-01	Solid	01/15/14 14:20	01/17/14 09:05
400-85526-2	07-SS-02	Solid	01/15/14 15:00	01/17/14 09:05
400-85526-3	07-SS-03	Solid	01/15/14 15:20	01/17/14 09:05
400-85526-4	07-SS-04	Solid	01/15/14 15:45	01/17/14 09:05
400-85526-5	07-SS-05	Solid	01/15/14 14:20	01/17/14 09:05

Client Sample Results

AR-003123

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-01

Lab Sample ID: 400-85526-1

Date Collected: 01/15/14 14:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 90.4

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0072	U	0.036	0.0072	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Chlorpyrifos	0.0082	U	0.036	0.0082	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Coumaphos	0.014	U	0.36	0.014	mg/Kg	☼	01/21/14 11:27	01/31/14 20:15	1
Diazinon	0.016	U	0.072	0.016	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Dichlorvos	0.0076	U	0.072	0.0076	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Disulfoton	0.0068	U	0.072	0.0068	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Ethoprop	0.012	U	0.036	0.012	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Fensulfothion	0.012	U	0.36	0.012	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Fenthion	0.0083	U	0.036	0.0083	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Methyl parathion	0.0083	U	0.036	0.0083	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Mevinphos	0.014	U	0.072	0.014	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Phorate	0.011	U	0.036	0.011	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Ronnel	0.0081	U	0.036	0.0081	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Stirophos	0.020	U	0.036	0.020	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Terbutryn	0.0091	U	0.036	0.0091	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Tokuthion	0.023	U	0.036	0.023	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Dimethoate	0.0090	U	0.072	0.0090	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
EPN	0.0089	U	0.072	0.0089	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Ethyl Parathion	0.0092	U	0.036	0.0092	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Malathion	0.0070	U	0.036	0.0070	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Sulfotepp	0.0072	U	0.036	0.0072	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Famphur	0.0093	U	0.072	0.0093	mg/Kg	☼	01/21/14 11:27	01/31/14 20:15	1
Thionazin	0.010	U	0.036	0.010	mg/Kg	☼	01/21/14 11:27	01/30/14 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	69		30 - 164				01/21/14 11:27	01/30/14 21:47	1
Triphenylphosphate	69		30 - 164				01/21/14 11:27	01/31/14 20:15	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Acenaphthylene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Anthracene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Benzo[a]anthracene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Benzo[a]pyrene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Benzo[b]fluoranthene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Benzo[g,h,i]perylene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Benzo[k]fluoranthene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Chrysene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Dibenz(a,h)anthracene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Fluoranthene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Fluorene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Indeno[1,2,3-cd]pyrene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Naphthalene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Phenanthrene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
Pyrene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
1-Methylnaphthalene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2
2-Methylnaphthalene	0.022	U	0.72	0.022	mg/Kg	☼	01/20/14 08:55	01/23/14 12:00	2

TestAmerica Pensacola

Client Sample Results

AR-003124

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-01

Lab Sample ID: 400-85526-1

Date Collected: 01/15/14 14:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 90.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		44 - 108	01/20/14 08:55	01/23/14 12:00	2
Nitrobenzene-d5 (Surr)	84		27 - 114	01/20/14 08:55	01/23/14 12:00	2
Terphenyl-d14 (Surr)	73		36 - 134	01/20/14 08:55	01/23/14 12:00	2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
alpha-BHC	0.000045	U	0.00094	0.000045	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
beta-BHC	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
delta-BHC	0.000039	U	0.00094	0.000039	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
gamma-BHC (Lindane)	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
alpha-Chlordane	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
gamma-Chlordane	0.000053	U	0.00094	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
4,4'-DDD	0.00012	I	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
4,4'-DDE	0.00065	I	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
4,4'-DDT	0.00049	I	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Dieldrin	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Endosulfan I	0.000088	U	0.00094	0.000088	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Endosulfan II	0.000046	U	0.00094	0.000046	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Endosulfan sulfate	0.00014	U	0.00094	0.00014	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Endrin	0.000043	U	0.00094	0.000043	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Endrin aldehyde	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Endrin ketone	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Heptachlor	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Heptachlor epoxide	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Methoxychlor	0.00016	U	0.00094	0.00016	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1
Toxaphene	0.0094	U	0.055	0.0094	mg/Kg	☼	01/21/14 11:39	01/24/14 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		47 - 148	01/21/14 11:39	01/24/14 17:26	1
Tetrachloro-m-xylene	106		65 - 134	01/21/14 11:39	01/24/14 17:26	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0024	U	0.0094	0.0024	mg/Kg	☼	01/21/14 11:39	01/24/14 16:00	1
PCB-1221	0.0083	U	0.0094	0.0083	mg/Kg	☼	01/21/14 11:39	01/24/14 16:00	1
PCB-1232	0.0088	U	0.0094	0.0088	mg/Kg	☼	01/21/14 11:39	01/24/14 16:00	1
PCB-1242	0.0055	U	0.0094	0.0055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:00	1
PCB-1248	0.0018	U	0.0094	0.0018	mg/Kg	☼	01/21/14 11:39	01/24/14 16:00	1
PCB-1254	0.0031	U	0.0094	0.0031	mg/Kg	☼	01/21/14 11:39	01/24/14 16:00	1
PCB-1260	0.0034	U	0.0094	0.0034	mg/Kg	☼	01/21/14 11:39	01/24/14 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		30 - 150	01/21/14 11:39	01/24/14 16:00	1
Tetrachloro-m-xylene	113		43 - 142	01/21/14 11:39	01/24/14 16:00	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.012	U	0.22	0.012	mg/Kg	☼	01/21/14 08:33	01/23/14 18:30	1
2,4-DB	0.0077	U	0.017	0.0077	mg/Kg	☼	01/21/14 08:33	01/23/14 18:30	1
2,4,5-T	0.0038	U	0.044	0.0038	mg/Kg	☼	01/21/14 08:33	01/23/14 18:30	1

TestAmerica Pensacola

Client Sample Results

AR-003125

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-01

Lab Sample ID: 400-85526-1

Date Collected: 01/15/14 14:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 90.4

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	0.019	U	0.044	0.019	mg/Kg	☼	01/21/14 08:33	01/23/14 18:30	1
Dalapon	0.078	U	1.3	0.078	mg/Kg	☼	01/21/14 08:33	01/23/14 18:30	1
Dicamba	0.0013	U	0.066	0.0013	mg/Kg	☼	01/21/14 08:33	01/23/14 18:30	1
Dichlorprop	0.0036	U	0.14	0.0036	mg/Kg	☼	01/21/14 08:33	01/23/14 18:30	1
Dinoseb	0.0048	U	0.22	0.0048	mg/Kg	☼	01/21/14 08:33	01/23/14 18:30	1
MCPA	0.96	U	55	0.96	mg/Kg	☼	01/21/14 08:33	01/23/14 18:30	1
MCP	0.44	U	55	0.44	mg/Kg	☼	01/21/14 08:33	01/23/14 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	90		10 - 150	01/21/14 08:33	01/23/14 18:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.21	U	0.52	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 15:52	1
Arsenic	0.80		0.52	0.42	mg/Kg	☼	01/19/14 14:00	01/20/14 15:52	1
Barium	80		1.0	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 15:52	1
Cadmium	0.10	U	0.52	0.10	mg/Kg	☼	01/19/14 14:00	01/20/14 15:52	1
Chromium	14		1.0	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 15:52	1
Lead	5.4		0.52	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 15:52	1
Selenium	0.42	U	1.0	0.42	mg/Kg	☼	01/19/14 14:00	01/20/14 15:52	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.016	0.0097	mg/Kg	☼	01/21/14 09:03	01/22/14 12:25	1

Client Sample Results

AR-003126

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-02

Lab Sample ID: 400-85526-2

Date Collected: 01/15/14 15:00

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 67.7

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0097	U	0.049	0.0097	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Chlorpyrifos	0.011	U	0.049	0.011	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Coumaphos	0.019	U	0.49	0.019	mg/Kg	☼	01/21/14 11:27	01/31/14 20:48	1
Diazinon	0.022	U	0.097	0.022	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Dichlorvos	0.010	U	0.097	0.010	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Disulfoton	0.0091	U	0.097	0.0091	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Ethoprop	0.016	U	0.049	0.016	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Fensulfothion	0.016	U	0.49	0.016	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Fenthion	0.011	U	0.049	0.011	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Methyl parathion	0.011	U	0.049	0.011	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Mevinphos	0.019	U	0.097	0.019	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Phorate	0.015	U	0.049	0.015	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Ronnel	0.011	U	0.049	0.011	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Stirophos	0.026	U	0.049	0.026	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Terbutryn	0.012	U	0.049	0.012	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Tokuthion	0.031	U	0.049	0.031	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Dimethoate	0.012	U	0.097	0.012	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
EPN	0.012	U	0.097	0.012	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Ethyl Parathion	0.012	U	0.049	0.012	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Malathion	0.0094	U	0.049	0.0094	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Sulfotepp	0.0097	U	0.049	0.0097	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Famphur	0.013	U	0.097	0.013	mg/Kg	☼	01/21/14 11:27	01/31/14 20:48	1
Thionazin	0.014	U	0.049	0.014	mg/Kg	☼	01/21/14 11:27	01/30/14 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	90		30 - 164				01/21/14 11:27	01/30/14 22:21	1
Triphenylphosphate	95		30 - 164				01/21/14 11:27	01/31/14 20:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.029	U	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Acenaphthylene	0.029	U	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Anthracene	0.042	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Benzo[a]anthracene	0.24	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Benzo[a]pyrene	0.21	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Benzo[b]fluoranthene	0.31	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Benzo[g,h,i]perylene	0.14	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Benzo[k]fluoranthene	0.10	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Chrysene	0.23	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Dibenz(a,h)anthracene	0.029	U	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Fluoranthene	0.48	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Fluorene	0.029	U	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Indeno[1,2,3-cd]pyrene	0.13	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Naphthalene	0.029	U	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Phenanthrene	0.20	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
Pyrene	0.41	I	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
1-Methylnaphthalene	0.029	U	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2
2-Methylnaphthalene	0.029	U	0.97	0.029	mg/Kg	☼	01/20/14 08:55	01/23/14 12:34	2

TestAmerica Pensacola

Client Sample Results

AR-003127

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-02

Lab Sample ID: 400-85526-2

Date Collected: 01/15/14 15:00

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 67.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		44 - 108	01/20/14 08:55	01/23/14 12:34	2
Nitrobenzene-d5 (Surr)	78		27 - 114	01/20/14 08:55	01/23/14 12:34	2
Terphenyl-d14 (Surr)	70		36 - 134	01/20/14 08:55	01/23/14 12:34	2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00037	U	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
alpha-BHC	0.00030	U	0.0063	0.00030	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
beta-BHC	0.00037	U	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
delta-BHC	0.00026	U	0.0063	0.00026	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
gamma-BHC (Lindane)	0.00037	U	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
alpha-Chlordane	0.0019	I	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
gamma-Chlordane	0.00088	I	0.0063	0.00036	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
4,4'-DDD	0.00037	U	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
4,4'-DDE	0.0085		0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
4,4'-DDT	0.0016	I	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Dieldrin	0.0010	I	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Endosulfan I	0.00059	U	0.0063	0.00059	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Endosulfan II	0.00031	U	0.0063	0.00031	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Endosulfan sulfate	0.00096	U	0.0063	0.00096	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Endrin	0.00029	U	0.0063	0.00029	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Endrin aldehyde	0.00037	U	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Endrin ketone	0.00037	U	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Heptachlor	0.00037	U	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Heptachlor epoxide	0.00037	U	0.0063	0.00037	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Methoxychlor	0.0011	U	0.0063	0.0011	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5
Toxaphene	0.063	U	0.37	0.063	mg/Kg	☼	01/21/14 11:39	01/24/14 17:57	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		47 - 148	01/21/14 11:39	01/24/14 17:57	5
Tetrachloro-m-xylene	83		65 - 134	01/21/14 11:39	01/24/14 17:57	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0032	U	0.013	0.0032	mg/Kg	☼	01/21/14 11:39	01/24/14 16:25	1
PCB-1221	0.011	U	0.013	0.011	mg/Kg	☼	01/21/14 11:39	01/24/14 16:25	1
PCB-1232	0.012	U	0.013	0.012	mg/Kg	☼	01/21/14 11:39	01/24/14 16:25	1
PCB-1242	0.0074	U	0.013	0.0074	mg/Kg	☼	01/21/14 11:39	01/24/14 16:25	1
PCB-1248	0.0024	U	0.013	0.0024	mg/Kg	☼	01/21/14 11:39	01/24/14 16:25	1
PCB-1254	0.0041	U	0.013	0.0041	mg/Kg	☼	01/21/14 11:39	01/24/14 16:25	1
PCB-1260	0.0045	U	0.013	0.0045	mg/Kg	☼	01/21/14 11:39	01/24/14 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		30 - 150	01/21/14 11:39	01/24/14 16:25	1
Tetrachloro-m-xylene	111		43 - 142	01/21/14 11:39	01/24/14 16:25	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.032	U	0.58	0.032	mg/Kg	☼	01/21/14 08:33	01/23/14 18:57	2
2,4-DB	0.020	U	0.044	0.020	mg/Kg	☼	01/21/14 08:33	01/23/14 18:57	2
2,4,5-T	0.0099	U	0.12	0.0099	mg/Kg	☼	01/21/14 08:33	01/23/14 18:57	2

TestAmerica Pensacola

Client Sample Results

AR-003128

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-02

Lab Sample ID: 400-85526-2

Date Collected: 01/15/14 15:00

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 67.7

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	0.050	U	0.12	0.050	mg/Kg	☼	01/21/14 08:33	01/23/14 18:57	2
Dalapon	0.21	U	3.5	0.21	mg/Kg	☼	01/21/14 08:33	01/23/14 18:57	2
Dicamba	0.0035	U	0.18	0.0035	mg/Kg	☼	01/21/14 08:33	01/23/14 18:57	2
Dichlorprop	0.0096	U	0.38	0.0096	mg/Kg	☼	01/21/14 08:33	01/23/14 18:57	2
Dinoseb	0.013	U	0.58	0.013	mg/Kg	☼	01/21/14 08:33	01/23/14 18:57	2
MCPA	2.5	U	150	2.5	mg/Kg	☼	01/21/14 08:33	01/23/14 18:57	2
MCP	1.2	U	150	1.2	mg/Kg	☼	01/21/14 08:33	01/23/14 18:57	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	57		10 - 150	01/21/14 08:33	01/23/14 18:57	2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.27	U	0.69	0.27	mg/Kg	☼	01/19/14 14:00	01/20/14 15:55	1
Arsenic	5.8		0.69	0.55	mg/Kg	☼	01/19/14 14:00	01/20/14 15:55	1
Barium	79		1.4	0.27	mg/Kg	☼	01/19/14 14:00	01/20/14 15:55	1
Cadmium	0.29	I	0.69	0.14	mg/Kg	☼	01/19/14 14:00	01/20/14 15:55	1
Chromium	27		1.4	0.27	mg/Kg	☼	01/19/14 14:00	01/20/14 15:55	1
Lead	11		0.69	0.27	mg/Kg	☼	01/19/14 14:00	01/20/14 15:55	1
Selenium	0.55	U	1.4	0.55	mg/Kg	☼	01/19/14 14:00	01/20/14 15:55	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.022	0.013	mg/Kg	☼	01/21/14 09:03	01/22/14 12:27	1

TestAmerica Pensacola

Client Sample Results

AR-003129

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-03

Lab Sample ID: 400-85526-3

Date Collected: 01/15/14 15:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 78.2

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0084	U	0.042	0.0084	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Chlorpyrifos	0.0095	U	0.042	0.0095	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Coumaphos	0.017	U	0.42	0.017	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Diazinon	0.019	U	0.084	0.019	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Dichlorvos	0.0088	U	0.084	0.0088	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Disulfoton	0.0079	U	0.084	0.0079	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Ethoprop	0.014	U	0.042	0.014	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Fensulfothion	0.014	U	0.42	0.014	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Fenthion	0.0097	U	0.042	0.0097	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Methyl parathion	0.0097	U	0.042	0.0097	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Mevinphos	0.017	U	0.084	0.017	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Phorate	0.013	U	0.042	0.013	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Ronnel	0.0094	U	0.042	0.0094	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Stirophos	0.023	U	0.042	0.023	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Terbutryn	0.011	U	0.042	0.011	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Tokuthion	0.027	U	0.042	0.027	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Dimethoate	0.010	U	0.084	0.010	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
EPN	0.010	U	0.084	0.010	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Ethyl Parathion	0.011	U	0.042	0.011	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Malathion	0.0081	U	0.042	0.0081	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Sulfotepp	0.0084	U	0.042	0.0084	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Famphur	0.011	U	0.084	0.011	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1
Thionazin	0.012	U	0.042	0.012	mg/Kg	☼	01/21/14 11:27	02/01/14 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	106		30 - 164	01/21/14 11:27	02/01/14 02:20	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.025	U	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Acenaphthylene	0.025	U	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Anthracene	0.025	U	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Benzo[a]anthracene	0.052	I	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Benzo[a]pyrene	0.068	I	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Benzo[b]fluoranthene	0.10	I	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Benzo[g,h,i]perylene	0.053	I	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Benzo[k]fluoranthene	0.025	U	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Chrysene	0.040	I	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Dibenz(a,h)anthracene	0.025	U	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Fluoranthene	0.13	I	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Fluorene	0.025	U	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Indeno[1,2,3-cd]pyrene	0.051	I	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Naphthalene	0.025	U	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Phenanthrene	0.052	I	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
Pyrene	0.11	I	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
1-Methylnaphthalene	0.025	U	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2
2-Methylnaphthalene	0.025	U	0.83	0.025	mg/Kg	☼	01/20/14 08:55	01/23/14 13:07	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		44 - 108	01/20/14 08:55	01/23/14 13:07	2

TestAmerica Pensacola

Client Sample Results

AR-003130

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-03

Lab Sample ID: 400-85526-3

Date Collected: 01/15/14 15:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 78.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	94		27 - 114	01/20/14 08:55	01/23/14 13:07	2
Terphenyl-d14 (Surr)	78		36 - 134	01/20/14 08:55	01/23/14 13:07	2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00032	U	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
alpha-BHC	0.00026	U	0.0054	0.00026	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
beta-BHC	0.00032	U	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
delta-BHC	0.00022	U	0.0054	0.00022	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
gamma-BHC (Lindane)	0.00032	U	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
alpha-Chlordane	0.0017	I	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
gamma-Chlordane	0.00065	I	0.0054	0.00031	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
4,4'-DDD	0.00032	U	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
4,4'-DDE	0.013		0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
4,4'-DDT	0.0042	I	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Dieldrin	0.00059	I	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Endosulfan I	0.00051	U	0.0054	0.00051	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Endosulfan II	0.00026	U	0.0054	0.00026	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Endosulfan sulfate	0.00082	U	0.0054	0.00082	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Endrin	0.00025	U	0.0054	0.00025	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Endrin aldehyde	0.00032	U	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Endrin ketone	0.00032	U	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Heptachlor	0.00032	U	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Heptachlor epoxide	0.00032	U	0.0054	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Methoxychlor	0.00092	U	0.0054	0.00092	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5
Toxaphene	0.054	U	0.32	0.054	mg/Kg	☼	01/21/14 11:39	01/24/14 18:29	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81		47 - 148	01/21/14 11:39	01/24/14 18:29	5
Tetrachloro-m-xylene	75		65 - 134	01/21/14 11:39	01/24/14 18:29	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0028	U	0.011	0.0028	mg/Kg	☼	01/21/14 11:39	01/24/14 16:50	1
PCB-1221	0.0095	U	0.011	0.0095	mg/Kg	☼	01/21/14 11:39	01/24/14 16:50	1
PCB-1232	0.010	U	0.011	0.010	mg/Kg	☼	01/21/14 11:39	01/24/14 16:50	1
PCB-1242	0.0063	U	0.011	0.0063	mg/Kg	☼	01/21/14 11:39	01/24/14 16:50	1
PCB-1248	0.0021	U	0.011	0.0021	mg/Kg	☼	01/21/14 11:39	01/24/14 16:50	1
PCB-1254	0.0035	U	0.011	0.0035	mg/Kg	☼	01/21/14 11:39	01/24/14 16:50	1
PCB-1260	0.028		0.011	0.0039	mg/Kg	☼	01/21/14 11:39	01/24/14 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		30 - 150	01/21/14 11:39	01/24/14 16:50	1
Tetrachloro-m-xylene	110		43 - 142	01/21/14 11:39	01/24/14 16:50	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.028	U	0.51	0.028	mg/Kg	☼	01/21/14 08:33	01/23/14 19:20	2
2,4-DB	0.018	U	0.038	0.018	mg/Kg	☼	01/21/14 08:33	01/23/14 19:20	2
2,4,5-T	0.0086	U	0.10	0.0086	mg/Kg	☼	01/21/14 08:33	01/23/14 19:20	2

TestAmerica Pensacola

Client Sample Results

AR-003131

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-03

Lab Sample ID: 400-85526-3

Date Collected: 01/15/14 15:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 78.2

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	0.043	U	0.10	0.043	mg/Kg	☼	01/21/14 08:33	01/23/14 19:20	2
Dalapon	0.18	U	3.0	0.18	mg/Kg	☼	01/21/14 08:33	01/23/14 19:20	2
Dicamba	0.0030	U	0.15	0.0030	mg/Kg	☼	01/21/14 08:33	01/23/14 19:20	2
Dichlorprop	0.0083	U	0.33	0.0083	mg/Kg	☼	01/21/14 08:33	01/23/14 19:20	2
Dinoseb	0.011	U	0.51	0.011	mg/Kg	☼	01/21/14 08:33	01/23/14 19:20	2
MCPA	2.2	U	130	2.2	mg/Kg	☼	01/21/14 08:33	01/23/14 19:20	2
MCPP	1.0	U	130	1.0	mg/Kg	☼	01/21/14 08:33	01/23/14 19:20	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	66		10 - 150	01/21/14 08:33	01/23/14 19:20	2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.24	U	0.61	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:59	1
Arsenic	4.3		0.61	0.49	mg/Kg	☼	01/19/14 14:00	01/20/14 15:59	1
Barium	58		1.2	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:59	1
Cadmium	0.39	I	0.61	0.12	mg/Kg	☼	01/19/14 14:00	01/20/14 15:59	1
Chromium	36		1.2	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:59	1
Lead	10		0.61	0.24	mg/Kg	☼	01/19/14 14:00	01/20/14 15:59	1
Selenium	0.68	I V	1.2	0.49	mg/Kg	☼	01/19/14 14:00	01/20/14 15:59	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.018	0.011	mg/Kg	☼	01/21/14 09:03	01/22/14 12:29	1

Client Sample Results

AR-003132

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-04

Lab Sample ID: 400-85526-4

Date Collected: 01/15/14 15:45

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 86.3

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0076	U	0.038	0.0076	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Chlorpyrifos	0.0086	U	0.038	0.0086	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Coumaphos	0.015	U	0.38	0.015	mg/Kg	☼	01/21/14 11:27	01/31/14 21:55	1
Diazinon	0.017	U	0.076	0.017	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Dichlorvos	0.0079	U	0.076	0.0079	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Disulfoton	0.0071	U	0.076	0.0071	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Ethoprop	0.013	U	0.038	0.013	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Fensulfothion	0.013	U	0.38	0.013	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Fenthion	0.0087	U	0.038	0.0087	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Methyl parathion	0.0087	U	0.038	0.0087	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Mevinphos	0.015	U	0.076	0.015	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Phorate	0.011	U	0.038	0.011	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Ronnel	0.0085	U	0.038	0.0085	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Stirophos	0.021	U	0.038	0.021	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Terbutryn	0.0095	U	0.038	0.0095	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Tokuthion	0.024	U	0.038	0.024	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Dimethoate	0.0094	U	0.076	0.0094	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
EPN	0.0093	U	0.076	0.0093	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Ethyl Parathion	0.0096	U	0.038	0.0096	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Malathion	0.0073	U	0.038	0.0073	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Sulfotepp	0.0076	U	0.038	0.0076	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Famphur	0.0097	U	0.076	0.0097	mg/Kg	☼	01/21/14 11:27	01/31/14 21:55	1
Thionazin	0.011	U	0.038	0.011	mg/Kg	☼	01/21/14 11:27	01/30/14 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	91		30 - 164				01/21/14 11:27	01/30/14 23:27	1
Triphenylphosphate	102		30 - 164				01/21/14 11:27	01/31/14 21:55	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.023	U	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Acenaphthylene	0.023	U	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Anthracene	0.031	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Benzo[a]anthracene	0.11	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Benzo[a]pyrene	0.11	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Benzo[b]fluoranthene	0.14	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Benzo[g,h,i]perylene	0.063	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Benzo[k]fluoranthene	0.053	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Chrysene	0.12	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Dibenz(a,h)anthracene	0.023	U	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Fluoranthene	0.28	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Fluorene	0.023	U	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Indeno[1,2,3-cd]pyrene	0.060	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Naphthalene	0.023	U	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Phenanthrene	0.15	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
Pyrene	0.23	I	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
1-Methylnaphthalene	0.023	U	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2
2-Methylnaphthalene	0.023	U	0.76	0.023	mg/Kg	☼	01/20/14 08:55	01/23/14 13:40	2

TestAmerica Pensacola

Client Sample Results

AR-003133

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-04

Lab Sample ID: 400-85526-4

Date Collected: 01/15/14 15:45

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 86.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		44 - 108	01/20/14 08:55	01/23/14 13:40	2
Nitrobenzene-d5 (Surr)	86		27 - 114	01/20/14 08:55	01/23/14 13:40	2
Terphenyl-d14 (Surr)	74		36 - 134	01/20/14 08:55	01/23/14 13:40	2

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00057	U	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
alpha-BHC	0.00047	U	0.0098	0.00047	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
beta-BHC	0.00057	U	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
delta-BHC	0.00040	U	0.0098	0.00040	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
gamma-BHC (Lindane)	0.00057	U	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
alpha-Chlordane	0.00057	U	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
gamma-Chlordane	0.00056	U	0.0098	0.00056	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
4,4'-DDD	0.0014	I	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
4,4'-DDE	0.021		0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
4,4'-DDT	0.0087	I	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Dieldrin	0.0012	I	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Endosulfan I	0.00092	U	0.0098	0.00092	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Endosulfan II	0.00048	U	0.0098	0.00048	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Endosulfan sulfate	0.0015	U	0.0098	0.0015	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Endrin	0.00045	U	0.0098	0.00045	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Endrin aldehyde	0.00057	U	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Endrin ketone	0.00057	U	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Heptachlor	0.00057	U	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Heptachlor epoxide	0.00057	U	0.0098	0.00057	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Methoxychlor	0.0017	U	0.0098	0.0017	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10
Toxaphene	0.098	U	0.57	0.098	mg/Kg	☼	01/21/14 11:39	01/24/14 19:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		47 - 148	01/21/14 11:39	01/24/14 19:01	10
Tetrachloro-m-xylene	74		65 - 134	01/21/14 11:39	01/24/14 19:01	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0025	U	0.0098	0.0025	mg/Kg	☼	01/21/14 11:39	01/24/14 17:15	1
PCB-1221	0.0086	U	0.0098	0.0086	mg/Kg	☼	01/21/14 11:39	01/24/14 17:15	1
PCB-1232	0.0092	U	0.0098	0.0092	mg/Kg	☼	01/21/14 11:39	01/24/14 17:15	1
PCB-1242	0.0057	U	0.0098	0.0057	mg/Kg	☼	01/21/14 11:39	01/24/14 17:15	1
PCB-1248	0.0019	U	0.0098	0.0019	mg/Kg	☼	01/21/14 11:39	01/24/14 17:15	1
PCB-1254	0.0032	U	0.0098	0.0032	mg/Kg	☼	01/21/14 11:39	01/24/14 17:15	1
PCB-1260	0.039		0.0098	0.0035	mg/Kg	☼	01/21/14 11:39	01/24/14 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	71		30 - 150	01/21/14 11:39	01/24/14 17:15	1
Tetrachloro-m-xylene	106		43 - 142	01/21/14 11:39	01/24/14 17:15	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.025	U	0.46	0.025	mg/Kg	☼	01/21/14 08:33	01/23/14 19:44	2
2,4-DB	0.016	U	0.034	0.016	mg/Kg	☼	01/21/14 08:33	01/23/14 19:44	2
2,4,5-T	0.0078	U	0.091	0.0078	mg/Kg	☼	01/21/14 08:33	01/23/14 19:44	2

TestAmerica Pensacola

Client Sample Results

AR-003134

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-04

Lab Sample ID: 400-85526-4

Date Collected: 01/15/14 15:45

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 86.3

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	0.039	U	0.091	0.039	mg/Kg	☼	01/21/14 08:33	01/23/14 19:44	2
Dalapon	0.16	U	2.7	0.16	mg/Kg	☼	01/21/14 08:33	01/23/14 19:44	2
Dicamba	0.0027	U	0.14	0.0027	mg/Kg	☼	01/21/14 08:33	01/23/14 19:44	2
Dichlorprop	0.0075	U	0.30	0.0075	mg/Kg	☼	01/21/14 08:33	01/23/14 19:44	2
Dinoseb	0.0098	U	0.46	0.0098	mg/Kg	☼	01/21/14 08:33	01/23/14 19:44	2
MCPA	2.0	U	110	2.0	mg/Kg	☼	01/21/14 08:33	01/23/14 19:44	2
MCP	0.91	U	110	0.91	mg/Kg	☼	01/21/14 08:33	01/23/14 19:44	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	58		10 - 150	01/21/14 08:33	01/23/14 19:44	2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.21	U	0.53	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 16:02	1
Arsenic	2.1		0.53	0.42	mg/Kg	☼	01/19/14 14:00	01/20/14 16:02	1
Barium	72		1.1	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 16:02	1
Cadmium	0.25	I	0.53	0.11	mg/Kg	☼	01/19/14 14:00	01/20/14 16:02	1
Chromium	30		1.1	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 16:02	1
Lead	15		0.53	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 16:02	1
Selenium	0.82	I V	1.1	0.42	mg/Kg	☼	01/19/14 14:00	01/20/14 16:02	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.059		0.018	0.011	mg/Kg	☼	01/21/14 09:03	01/22/14 12:30	1

TestAmerica Pensacola

Client Sample Results

AR-003135

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-05

Lab Sample ID: 400-85526-5

Date Collected: 01/15/14 14:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 90.3

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0073	U	0.036	0.0073	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Chlorpyrifos	0.0082	U	0.036	0.0082	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Coumaphos	0.014	U	0.36	0.014	mg/Kg	☼	01/21/14 11:27	01/31/14 22:28	1
Diazinon	0.016	U	0.073	0.016	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Dichlorvos	0.0076	U	0.073	0.0076	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Disulfoton	0.0068	U	0.073	0.0068	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Ethoprop	0.012	U	0.036	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Fensulfothion	0.012	U	0.36	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Fenthion	0.0083	U	0.036	0.0083	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Methyl parathion	0.0083	U	0.036	0.0083	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Mevinphos	0.014	U	0.073	0.014	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Phorate	0.011	U	0.036	0.011	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Ronnel	0.0081	U	0.036	0.0081	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Stirophos	0.020	U	0.036	0.020	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Terbutryn	0.0091	U	0.036	0.0091	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Tokuthion	0.023	U	0.036	0.023	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Dimethoate	0.0090	U	0.073	0.0090	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
EPN	0.0089	U	0.073	0.0089	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Ethyl Parathion	0.0092	U	0.036	0.0092	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Malathion	0.0070	U	0.036	0.0070	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Sulfotepp	0.0073	U	0.036	0.0073	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Famphur	0.0093	U	0.073	0.0093	mg/Kg	☼	01/21/14 11:27	01/31/14 22:28	1
Thionazin	0.010	U	0.036	0.010	mg/Kg	☼	01/21/14 11:27	01/31/14 00:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	65		30 - 164				01/21/14 11:27	01/31/14 00:00	1
Triphenylphosphate	71		30 - 164				01/21/14 11:27	01/31/14 22:28	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Acenaphthylene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Anthracene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Benzo[a]anthracene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Benzo[a]pyrene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Benzo[b]fluoranthene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Benzo[g,h,i]perylene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Benzo[k]fluoranthene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Chrysene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Dibenz(a,h)anthracene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Fluoranthene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Fluorene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Indeno[1,2,3-cd]pyrene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Naphthalene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Phenanthrene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
Pyrene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
1-Methylnaphthalene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1
2-Methylnaphthalene	0.011	U	0.36	0.011	mg/Kg	☼	01/20/14 08:55	01/21/14 22:14	1

TestAmerica Pensacola

Client Sample Results

AR-003136

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-05

Lab Sample ID: 400-85526-5

Date Collected: 01/15/14 14:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 90.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		44 - 108	01/20/14 08:55	01/21/14 22:14	1
Nitrobenzene-d5 (Surr)	77		27 - 114	01/20/14 08:55	01/21/14 22:14	1
Terphenyl-d14 (Surr)	76		36 - 134	01/20/14 08:55	01/21/14 22:14	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
alpha-BHC	0.000045	U	0.00094	0.000045	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
beta-BHC	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
delta-BHC	0.000039	U	0.00094	0.000039	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
gamma-BHC (Lindane)	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
alpha-Chlordane	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
gamma-Chlordane	0.000054	U	0.00094	0.000054	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
4,4'-DDD	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
4,4'-DDE	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
4,4'-DDT	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Dieldrin	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Endosulfan I	0.000088	U	0.00094	0.000088	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Endosulfan II	0.000046	U	0.00094	0.000046	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Endosulfan sulfate	0.00014	U	0.00094	0.00014	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Endrin	0.000043	U	0.00094	0.000043	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Endrin aldehyde	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Endrin ketone	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Heptachlor	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Heptachlor epoxide	0.000055	U	0.00094	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Methoxychlor	0.00016	U	0.00094	0.00016	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1
Toxaphene	0.0094	U	0.055	0.0094	mg/Kg	☼	01/21/14 11:39	01/24/14 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	107		47 - 148	01/21/14 11:39	01/24/14 16:54	1
Tetrachloro-m-xylene	103		65 - 134	01/21/14 11:39	01/24/14 16:54	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0024	U	0.0094	0.0024	mg/Kg	☼	01/21/14 11:39	01/24/14 15:35	1
PCB-1221	0.0083	U	0.0094	0.0083	mg/Kg	☼	01/21/14 11:39	01/24/14 15:35	1
PCB-1232	0.0088	U	0.0094	0.0088	mg/Kg	☼	01/21/14 11:39	01/24/14 15:35	1
PCB-1242	0.0055	U	0.0094	0.0055	mg/Kg	☼	01/21/14 11:39	01/24/14 15:35	1
PCB-1248	0.0018	U	0.0094	0.0018	mg/Kg	☼	01/21/14 11:39	01/24/14 15:35	1
PCB-1254	0.0031	U	0.0094	0.0031	mg/Kg	☼	01/21/14 11:39	01/24/14 15:35	1
PCB-1260	0.0034	U	0.0094	0.0034	mg/Kg	☼	01/21/14 11:39	01/24/14 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		30 - 150	01/21/14 11:39	01/24/14 15:35	1
Tetrachloro-m-xylene	108		43 - 142	01/21/14 11:39	01/24/14 15:35	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.024	U	0.44	0.024	mg/Kg	☼	01/21/14 08:33	01/23/14 20:08	2
2,4-DB	0.015	U	0.033	0.015	mg/Kg	☼	01/21/14 08:33	01/23/14 20:08	2
2,4,5-T	0.0074	U	0.088	0.0074	mg/Kg	☼	01/21/14 08:33	01/23/14 20:08	2

TestAmerica Pensacola

Client Sample Results

AR-003137

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-05

Lab Sample ID: 400-85526-5

Date Collected: 01/15/14 14:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 90.3

Method: 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	0.037	U	0.088	0.037	mg/Kg	☼	01/21/14 08:33	01/23/14 20:08	2
Dalapon	0.16	U	2.6	0.16	mg/Kg	☼	01/21/14 08:33	01/23/14 20:08	2
Dicamba	0.0026	U	0.13	0.0026	mg/Kg	☼	01/21/14 08:33	01/23/14 20:08	2
Dichlorprop	0.0072	U	0.28	0.0072	mg/Kg	☼	01/21/14 08:33	01/23/14 20:08	2
Dinoseb	0.0094	U	0.44	0.0094	mg/Kg	☼	01/21/14 08:33	01/23/14 20:08	2
MCPA	1.9	U	110	1.9	mg/Kg	☼	01/21/14 08:33	01/23/14 20:08	2
MCP	0.88	U	110	0.88	mg/Kg	☼	01/21/14 08:33	01/23/14 20:08	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		10 - 150	01/21/14 08:33	01/23/14 20:08	2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.21	U	0.53	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 16:06	1
Arsenic	0.70		0.53	0.42	mg/Kg	☼	01/19/14 14:00	01/20/14 16:06	1
Barium	51		1.1	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 16:06	1
Cadmium	0.11	U	0.53	0.11	mg/Kg	☼	01/19/14 14:00	01/20/14 16:06	1
Chromium	14		1.1	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 16:06	1
Lead	5.6		0.53	0.21	mg/Kg	☼	01/19/14 14:00	01/20/14 16:06	1
Selenium	0.49	I V	1.1	0.42	mg/Kg	☼	01/19/14 14:00	01/20/14 16:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.017	0.010	mg/Kg	☼	01/21/14 09:03	01/22/14 12:32	1

Definitions/Glossary

AR-003138

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Qualifiers

GC/MS Semi VOA

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

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

Glossary

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

TestAmerica Pensacola

Lab Chronicle

AR-003139

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-01

Date Collected: 01/15/14 14:20

Date Received: 01/17/14 09:05

Lab Sample ID: 400-85526-1

Matrix: Solid

Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		2	205357	01/23/14 12:00	KJA	TAL PEN
Total/NA	Analysis	8141A		1	205698	01/30/14 21:47	AJR	TAL PEN
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	206210	01/31/14 20:15	AJR	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		1	205585	01/23/14 18:30	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205862	01/24/14 16:00	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8081B		1	205926	01/24/14 17:26	VC1	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 15:52	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:25	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205246	01/21/14 16:30	LEC	TAL PEN

Client Sample ID: 07-SS-02

Date Collected: 01/15/14 15:00

Date Received: 01/17/14 09:05

Lab Sample ID: 400-85526-2

Matrix: Solid

Percent Solids: 67.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		2	205357	01/23/14 12:34	KJA	TAL PEN
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	205698	01/30/14 22:21	AJR	TAL PEN
Total/NA	Analysis	8141A		1	206210	01/31/14 20:48	AJR	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		2	205585	01/23/14 18:57	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205862	01/24/14 16:25	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8081B		5	205926	01/24/14 17:57	VC1	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 15:55	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:27	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205246	01/21/14 16:30	LEC	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003140

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-03

Lab Sample ID: 400-85526-3

Date Collected: 01/15/14 15:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		2	205357	01/23/14 13:07	KJA	TAL PEN
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	206210	02/01/14 02:20	AJR	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		2	205585	01/23/14 19:20	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205862	01/24/14 16:50	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8081B		5	205926	01/24/14 18:29	VC1	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 15:59	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:29	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205246	01/21/14 16:30	LEC	TAL PEN

Client Sample ID: 07-SS-04

Lab Sample ID: 400-85526-4

Date Collected: 01/15/14 15:45

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		2	205357	01/23/14 13:40	KJA	TAL PEN
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	205698	01/30/14 23:27	AJR	TAL PEN
Total/NA	Analysis	8141A		1	206210	01/31/14 21:55	AJR	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		2	205585	01/23/14 19:44	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205862	01/24/14 17:15	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8081B		10	205926	01/24/14 19:01	VC1	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 16:02	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:30	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205246	01/21/14 16:30	LEC	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003141

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Client Sample ID: 07-SS-05

Lab Sample ID: 400-85526-5

Date Collected: 01/15/14 14:20

Matrix: Solid

Date Received: 01/17/14 09:05

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			205024	01/20/14 08:55	RDT	TAL PEN
Total/NA	Analysis	8270D		1	205079	01/21/14 22:14	KJA	TAL PEN
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	205698	01/31/14 00:00	AJR	TAL PEN
Total/NA	Analysis	8141A		1	206210	01/31/14 22:28	AJR	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		2	205585	01/23/14 20:08	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8082A		1	205862	01/24/14 15:35	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8081B		1	205926	01/24/14 16:54	VC1	TAL PEN
Total/NA	Prep	3050B			204983	01/19/14 14:00	DN1	TAL PEN
Total/NA	Analysis	6010C		1	205127	01/20/14 16:06	SLM	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 09:03	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:32	JAP	TAL PEN
Total/NA	Analysis	Moisture		1	205246	01/21/14 16:30	LEC	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

AR-003142

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

GC/MS Semi VOA

Prep Batch: 205024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85339-A-1-I MS	Matrix Spike	Total/NA	Solid	3550C	
400-85339-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
400-85526-1	07-SS-01	Total/NA	Solid	3550C	
400-85526-2	07-SS-02	Total/NA	Solid	3550C	
400-85526-3	07-SS-03	Total/NA	Solid	3550C	
400-85526-4	07-SS-04	Total/NA	Solid	3550C	
400-85526-5	07-SS-05	Total/NA	Solid	3550C	
LCS 400-205024/20-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 400-205024/21-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 205076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85339-A-1-I MS	Matrix Spike	Total/NA	Solid	8270D	205024
400-85339-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	205024
LCS 400-205024/20-A	Lab Control Sample	Total/NA	Solid	8270D	205024
MB 400-205024/21-A	Method Blank	Total/NA	Solid	8270D	205024

Analysis Batch: 205079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-5	07-SS-05	Total/NA	Solid	8270D	205024

Prep Batch: 205180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	3550B	
400-85526-2	07-SS-02	Total/NA	Solid	3550B	
400-85526-3	07-SS-03	Total/NA	Solid	3550B	
400-85526-4	07-SS-04	Total/NA	Solid	3550B	
400-85526-5	07-SS-05	Total/NA	Solid	3550B	
400-85591-B-6-E MS	Matrix Spike	Total/NA	Solid	3550B	
400-85591-B-6-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3550B	
LCS 400-205180/13-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 400-205180/14-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 205357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	8270D	205024
400-85526-2	07-SS-02	Total/NA	Solid	8270D	205024
400-85526-3	07-SS-03	Total/NA	Solid	8270D	205024
400-85526-4	07-SS-04	Total/NA	Solid	8270D	205024

Analysis Batch: 205698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	8141A	205180
400-85526-2	07-SS-02	Total/NA	Solid	8141A	205180
400-85526-4	07-SS-04	Total/NA	Solid	8141A	205180
400-85526-5	07-SS-05	Total/NA	Solid	8141A	205180
400-85591-B-6-E MS	Matrix Spike	Total/NA	Solid	8141A	205180
400-85591-B-6-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8141A	205180
LCS 400-205180/13-A	Lab Control Sample	Total/NA	Solid	8141A	205180
MB 400-205180/14-A	Method Blank	Total/NA	Solid	8141A	205180

TestAmerica Pensacola

QC Association Summary

AR-003143

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

GC/MS Semi VOA (Continued)

Analysis Batch: 206210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	8141A	205180
400-85526-2	07-SS-02	Total/NA	Solid	8141A	205180
400-85526-3	07-SS-03	Total/NA	Solid	8141A	205180
400-85526-4	07-SS-04	Total/NA	Solid	8141A	205180
400-85526-5	07-SS-05	Total/NA	Solid	8141A	205180
MB 400-205180/14-A	Method Blank	Total/NA	Solid	8141A	205180

GC Semi VOA

Prep Batch: 205142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	8151A	
400-85526-2	07-SS-02	Total/NA	Solid	8151A	
400-85526-3	07-SS-03	Total/NA	Solid	8151A	
400-85526-4	07-SS-04	Total/NA	Solid	8151A	
400-85526-5	07-SS-05	Total/NA	Solid	8151A	
400-85591-B-6-B MS	Matrix Spike	Total/NA	Solid	8151A	
400-85591-B-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	
LCS 400-205142/17-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 400-205142/18-A	Method Blank	Total/NA	Solid	8151A	

Prep Batch: 205185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	3550C	
400-85526-1	07-SS-01	Total/NA	Solid	3550C	
400-85526-2	07-SS-02	Total/NA	Solid	3550C	
400-85526-3	07-SS-03	Total/NA	Solid	3550C	
400-85526-3	07-SS-03	Total/NA	Solid	3550C	
400-85526-4	07-SS-04	Total/NA	Solid	3550C	
400-85526-4	07-SS-04	Total/NA	Solid	3550C	
400-85526-5	07-SS-05	Total/NA	Solid	3550C	
400-85526-5	07-SS-05	Total/NA	Solid	3550C	
400-85526-5 MS	07-SS-05	Total/NA	Solid	3550C	
400-85526-5 MS	07-SS-05	Total/NA	Solid	3550C	
400-85526-5 MSD	07-SS-05	Total/NA	Solid	3550C	
400-85526-5 MSD	07-SS-05	Total/NA	Solid	3550C	
LCS 400-205185/23-B	Lab Control Sample	Total/NA	Solid	3550B	
LCS 400-205185/24-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 400-205185/25-B	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 205583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-B-6-B MS	Matrix Spike	Total/NA	Solid	8151A	205142
400-85591-B-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	205142
LCS 400-205142/17-A	Lab Control Sample	Total/NA	Solid	8151A	205142
MB 400-205142/18-A	Method Blank	Total/NA	Solid	8151A	205142

Analysis Batch: 205585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	8151A	205142

TestAmerica Pensacola

QC Association Summary

AR-003144

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

GC Semi VOA (Continued)

Analysis Batch: 205585 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-2	07-SS-02	Total/NA	Solid	8151A	205142
400-85526-3	07-SS-03	Total/NA	Solid	8151A	205142
400-85526-4	07-SS-04	Total/NA	Solid	8151A	205142
400-85526-5	07-SS-05	Total/NA	Solid	8151A	205142

Analysis Batch: 205862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	8082A	205185
400-85526-2	07-SS-02	Total/NA	Solid	8082A	205185
400-85526-3	07-SS-03	Total/NA	Solid	8082A	205185
400-85526-4	07-SS-04	Total/NA	Solid	8082A	205185
400-85526-5	07-SS-05	Total/NA	Solid	8082A	205185
400-85526-5 MS	07-SS-05	Total/NA	Solid	8082A	205185
400-85526-5 MSD	07-SS-05	Total/NA	Solid	8082A	205185
LCS 400-205185/24-A	Lab Control Sample	Total/NA	Solid	8082A	205185
MB 400-205185/25-B	Method Blank	Total/NA	Solid	8082A	205185

Analysis Batch: 205926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	8081B	205185
400-85526-2	07-SS-02	Total/NA	Solid	8081B	205185
400-85526-3	07-SS-03	Total/NA	Solid	8081B	205185
400-85526-4	07-SS-04	Total/NA	Solid	8081B	205185
400-85526-5	07-SS-05	Total/NA	Solid	8081B	205185
400-85526-5 MS	07-SS-05	Total/NA	Solid	8081B	205185
400-85526-5 MSD	07-SS-05	Total/NA	Solid	8081B	205185
LCS 400-205185/23-B	Lab Control Sample	Total/NA	Solid	8081B	205185
MB 400-205185/25-B	Method Blank	Total/NA	Solid	8081B	205185

Metals

Prep Batch: 204983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	3050B	
400-85526-2	07-SS-02	Total/NA	Solid	3050B	
400-85526-3	07-SS-03	Total/NA	Solid	3050B	
400-85526-4	07-SS-04	Total/NA	Solid	3050B	
400-85526-5	07-SS-05	Total/NA	Solid	3050B	
400-85567-A-2-B MS	Matrix Spike	Total/NA	Solid	3050B	
400-85567-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	
LCS 400-204983/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 400-204983/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 205127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	6010C	204983
400-85526-2	07-SS-02	Total/NA	Solid	6010C	204983
400-85526-3	07-SS-03	Total/NA	Solid	6010C	204983
400-85526-4	07-SS-04	Total/NA	Solid	6010C	204983
400-85526-5	07-SS-05	Total/NA	Solid	6010C	204983

TestAmerica Pensacola

QC Association Summary

AR-003145

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Metals (Continued)

Analysis Batch: 205127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85567-A-2-B MS	Matrix Spike	Total/NA	Solid	6010C	204983
400-85567-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	6010C	204983
LCS 400-204983/2-A	Lab Control Sample	Total/NA	Solid	6010C	204983
MB 400-204983/1-A	Method Blank	Total/NA	Solid	6010C	204983

Prep Batch: 205147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-A-1-E MS	Matrix Spike	Total/NA	Solid	7471B	
400-85522-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
400-85526-1	07-SS-01	Total/NA	Solid	7471B	
400-85526-2	07-SS-02	Total/NA	Solid	7471B	
400-85526-3	07-SS-03	Total/NA	Solid	7471B	
400-85526-4	07-SS-04	Total/NA	Solid	7471B	
400-85526-5	07-SS-05	Total/NA	Solid	7471B	
LCS 400-205147/15-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 400-205147/14-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 205374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-A-1-E MS	Matrix Spike	Total/NA	Solid	7471B	205147
400-85522-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	205147
400-85526-1	07-SS-01	Total/NA	Solid	7471B	205147
400-85526-2	07-SS-02	Total/NA	Solid	7471B	205147
400-85526-3	07-SS-03	Total/NA	Solid	7471B	205147
400-85526-4	07-SS-04	Total/NA	Solid	7471B	205147
400-85526-5	07-SS-05	Total/NA	Solid	7471B	205147
LCS 400-205147/15-A	Lab Control Sample	Total/NA	Solid	7471B	205147
MB 400-205147/14-A	Method Blank	Total/NA	Solid	7471B	205147

General Chemistry

Analysis Batch: 205246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-1	07-SS-01	Total/NA	Solid	Moisture	
400-85526-2	07-SS-02	Total/NA	Solid	Moisture	
400-85526-3	07-SS-03	Total/NA	Solid	Moisture	
400-85526-4	07-SS-04	Total/NA	Solid	Moisture	
400-85526-5	07-SS-05	Total/NA	Solid	Moisture	

TestAmerica Pensacola

QC Sample Results

AR-003146

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Lab Sample ID: MB 400-205180/14-A

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0066	U	0.033	0.0066	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Chlorpyrifos	0.0075	U	0.033	0.0075	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Diazinon	0.015	U	0.066	0.015	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Dichlorvos	0.0069	U	0.066	0.0069	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Disulfoton	0.0062	U	0.066	0.0062	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Ethoprop	0.011	U	0.033	0.011	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Fensulfothion	0.011	U	0.33	0.011	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Fenthion	0.0076	U	0.033	0.0076	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Methyl parathion	0.0076	U	0.033	0.0076	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Mevinphos	0.013	U	0.066	0.013	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Phorate	0.010	U	0.033	0.010	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Ronnel	0.0074	U	0.033	0.0074	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Stirophos	0.018	U	0.033	0.018	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Terbutryn	0.0083	U	0.033	0.0083	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Tokuthion	0.021	U	0.033	0.021	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Dimethoate	0.0082	U	0.066	0.0082	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
EPN	0.0081	U	0.066	0.0081	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Ethyl Parathion	0.0084	U	0.033	0.0084	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Malathion	0.0064	U	0.033	0.0064	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Sulfotepp	0.0066	U	0.033	0.0066	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Thionazin	0.0092	U	0.033	0.0092	mg/Kg		01/21/14 11:27	01/30/14 19:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	83		30 - 164	01/21/14 11:27	01/30/14 19:35	1

Lab Sample ID: MB 400-205180/14-A

Matrix: Solid

Analysis Batch: 206210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coumaphos	0.013	U	0.33	0.013	mg/Kg		01/21/14 11:27	01/31/14 19:42	1
Famphur	0.0085	U	0.066	0.0085	mg/Kg		01/21/14 11:27	01/31/14 19:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	88		30 - 164	01/21/14 11:27	01/31/14 19:42	1

Lab Sample ID: LCS 400-205180/13-A

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bolstar	0.166	0.142		mg/Kg		85	40 - 156
Chlorpyrifos	0.166	0.154		mg/Kg		93	22 - 130
Coumaphos	0.166	0.112	I	mg/Kg		67	51 - 147
Diazinon	0.166	0.137		mg/Kg		83	41 - 130
Dichlorvos	0.166	0.193		mg/Kg		116	10 - 130
Disulfoton	0.166	0.131		mg/Kg		79	10 - 134

TestAmerica Pensacola

QC Sample Results

AR-003147

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Method: 8141A - Organophosphorous Pesticides (GC/MS) (Continued)

Lab Sample ID: LCS 400-205180/13-A

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethoprop	0.166	0.156		mg/Kg		94	30 - 130
Fensulfothion	0.166	0.119	I	mg/Kg		72	43 - 145
Fenthion	0.166	0.152		mg/Kg		91	10 - 130
Methyl parathion	0.166	0.123		mg/Kg		74	36 - 149
Mevinphos	0.166	0.134		mg/Kg		81	30 - 130
Phorate	0.166	0.140		mg/Kg		84	36 - 130
Ronnel	0.166	0.147		mg/Kg		88	30 - 130
Stirophos	0.166	0.124		mg/Kg		75	36 - 130
Terbutryn	0.166	0.170		mg/Kg		102	30 - 130
Tokuthion	0.166	0.152		mg/Kg		92	14 - 130
Dimethoate	0.166	0.156		mg/Kg		94	38 - 130
EPN	0.166	0.151		mg/Kg		91	48 - 124
Ethyl Parathion	0.166	0.185		mg/Kg		111	24 - 151
Malathion	0.166	0.180		mg/Kg		108	10 - 141
Sulfotepp	0.166	0.152		mg/Kg		92	13 - 171
Famphur	0.166	0.133		mg/Kg		80	10 - 130
Thionazin	0.167	0.175		mg/Kg		105	10 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	105		30 - 164

Lab Sample ID: 400-85591-B-6-E MS

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205180

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bolstar	0.0074	U	0.187	0.146		mg/Kg	✱	78	40 - 156
Chlorpyrifos	0.0085	U	0.187	0.129		mg/Kg	✱	69	22 - 130
Coumaphos	0.015	U	0.187	0.146	I	mg/Kg	✱	78	51 - 147
Diazinon	0.017	U	0.187	0.150		mg/Kg	✱	80	41 - 130
Dichlorvos	0.0078	U	0.187	0.213		mg/Kg	✱	114	10 - 130
Disulfoton	0.0070	U	0.187	0.113		mg/Kg	✱	61	10 - 134
Ethoprop	0.012	U	0.187	0.178		mg/Kg	✱	95	30 - 130
Fensulfothion	0.012	U	0.187	0.126	I	mg/Kg	✱	68	43 - 145
Fenthion	0.0086	U	0.187	0.253	J3	mg/Kg	✱	135	10 - 128
Methyl parathion	0.0086	U	0.187	0.153		mg/Kg	✱	82	36 - 149
Mevinphos	0.015	U	0.187	0.151		mg/Kg	✱	81	30 - 130
Phorate	0.011	U	0.187	0.153		mg/Kg	✱	82	36 - 130
Ronnel	0.0083	U	0.187	0.188		mg/Kg	✱	100	30 - 130
Stirophos	0.020	U	0.187	0.267	J3	mg/Kg	✱	143	36 - 126
Terbutryn	0.0094	U	0.187	0.0093	U J3	mg/Kg	✱	0	30 - 130
Tokuthion	0.024	U	0.187	0.352	J3	mg/Kg	✱	188	14 - 130
Dimethoate	0.0092	U	0.187	0.194		mg/Kg	✱	104	38 - 130
EPN	0.0091	U	0.187	0.142		mg/Kg	✱	76	48 - 124
Ethyl Parathion	0.0095	U	0.187	0.257		mg/Kg	✱	137	24 - 151
Malathion	0.14		0.187	0.204		mg/Kg	✱	34	10 - 141
Sulfotepp	0.0074	U	0.187	0.127		mg/Kg	✱	68	13 - 171
Famphur	0.0096	U	0.187	0.109		mg/Kg	✱	58	10 - 130

TestAmerica Pensacola

QC Sample Results

AR-003148

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Method: 8141A - Organophosphorous Pesticides (GC/MS) (Continued)

Lab Sample ID: 400-85591-B-6-E MS

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205180

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thionazin	0.010	U	0.188	0.181		mg/Kg	✱	96	10 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
Triphenylphosphate	128		30 - 164						

Lab Sample ID: 400-85591-B-6-F MSD

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205180

Top Datum: 100%											
	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Analyte											
Bolstar	0.0074	U	0.187	0.138		mg/Kg	☼	74	40 - 156	5	40
Chlorpyrifos	0.0085	U	0.187	0.0084	U J3	mg/Kg	☼	0	22 - 130	NC	40
Coumaphos	0.015	U	0.187	0.130	I	mg/Kg	☼	69	51 - 147	12	40
Diazinon	0.017	U	0.187	0.136		mg/Kg	☼	73	41 - 130	9	30
Dichlorvos	0.0078	U	0.187	0.196		mg/Kg	☼	105	10 - 130	8	40
Disulfoton	0.0070	U	0.187	0.112		mg/Kg	☼	60	10 - 134	1	93
Ethoprop	0.012	U	0.187	0.152		mg/Kg	☼	81	30 - 130	16	40
Fensulfothion	0.012	U	0.187	0.147	I	mg/Kg	☼	79	43 - 145	15	40
Fenthion	0.0086	U	0.187	0.277	J3	mg/Kg	☼	148	10 - 128	9	60
Methyl parathion	0.0086	U	0.187	0.267	J3	mg/Kg	☼	143	36 - 149	54	40
Mevinphos	0.015	U	0.187	0.127		mg/Kg	☼	68	30 - 130	17	40
Phorate	0.011	U	0.187	0.129		mg/Kg	☼	69	36 - 130	17	40
Ronnel	0.0083	U	0.187	0.205		mg/Kg	☼	110	30 - 130	9	40
Stirophos	0.020	U	0.187	0.107	J3	mg/Kg	☼	57	36 - 126	86	40
Terbutryn	0.0094	U	0.187	0.0093	U J3	mg/Kg	☼	0	30 - 130	NC	40
Tokuthion	0.024	U	0.187	0.429	J3	mg/Kg	☼	229	14 - 130	20	40
Dimethoate	0.0092	U	0.187	0.170		mg/Kg	☼	91	38 - 130	13	40
EPN	0.0091	U	0.187	0.139		mg/Kg	☼	74	48 - 124	3	30
Ethyl Parathion	0.0095	U	0.187	0.226		mg/Kg	☼	121	24 - 151	13	79
Malathion	0.14		0.187	0.270		mg/Kg	☼	70	10 - 141	28	40
Sulfotepp	0.0074	U	0.187	0.115		mg/Kg	☼	62	13 - 171	10	65
Famphur	0.0096	U	0.187	0.110		mg/Kg	☼	59	10 - 130	1	60
Thionazin	0.010	U	0.188	0.155		mg/Kg	☼	82	10 - 130	16	60
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
Triphenylphosphate	118		30 - 164								

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-205024/21-A

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Acenaphthylene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1

TestAmerica Pensacola

QC Sample Results

AR-003149

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-205024/21-A

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[a]pyrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[b]fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[g,h,i]perylene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Benzo[k]fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Chrysene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Dibenz(a,h)anthracene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Fluorene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Indeno[1,2,3-cd]pyrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Naphthalene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Phenanthrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
Pyrene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
1-Methylnaphthalene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1
2-Methylnaphthalene	0.010	U	0.33	0.010	mg/Kg		01/20/14 08:55	01/21/14 16:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		44 - 108	01/20/14 08:55	01/21/14 16:43	1
Nitrobenzene-d5 (Surr)	79		27 - 114	01/20/14 08:55	01/21/14 16:43	1
Terphenyl-d14 (Surr)	89		36 - 134	01/20/14 08:55	01/21/14 16:43	1

Lab Sample ID: LCS 400-205024/20-A

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.40		mg/Kg		84	62 - 120
Acenaphthylene	1.67	1.32		mg/Kg		79	61 - 120
Anthracene	1.67	1.41		mg/Kg		85	68 - 120
Benzo[a]anthracene	1.67	1.55		mg/Kg		93	67 - 120
Benzo[a]pyrene	1.67	1.59		mg/Kg		95	64 - 120
Benzo[b]fluoranthene	1.67	1.48		mg/Kg		89	58 - 121
Benzo[g,h,i]perylene	1.67	1.50		mg/Kg		90	49 - 151
Benzo[k]fluoranthene	1.67	1.50		mg/Kg		90	61 - 123
Chrysene	1.67	1.53		mg/Kg		92	65 - 120
Dibenz(a,h)anthracene	1.67	1.61		mg/Kg		97	58 - 130
Fluoranthene	1.67	1.53		mg/Kg		92	67 - 123
Fluorene	1.67	1.50		mg/Kg		90	64 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.55		mg/Kg		93	55 - 133
Naphthalene	1.67	1.36		mg/Kg		82	59 - 120
Phenanthrene	1.67	1.42		mg/Kg		85	62 - 130
Pyrene	1.67	1.37		mg/Kg		82	57 - 127
1-Methylnaphthalene	1.67	1.44		mg/Kg		86	66 - 120
2-Methylnaphthalene	1.67	1.42		mg/Kg		85	64 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	84		44 - 108

TestAmerica Pensacola

QC Sample Results

AR-003150

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-205024/20-A

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205024

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	80		27 - 114
Terphenyl-d14 (Surr)	88		36 - 134

Lab Sample ID: 400-85339-A-1-I MS

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.013	U	2.19	1.78		mg/Kg	☼	81	10 - 150
Acenaphthylene	0.030	I	2.19	1.69		mg/Kg	☼	76	10 - 150
Anthracene	0.061	I	2.19	1.84		mg/Kg	☼	81	10 - 150
Benzo[a]anthracene	0.36	I	2.19	2.35		mg/Kg	☼	91	10 - 150
Benzo[a]pyrene	0.38	I	2.19	2.23		mg/Kg	☼	84	10 - 150
Benzo[b]fluoranthene	0.57		2.19	2.31		mg/Kg	☼	80	10 - 150
Benzo[g,h,i]perylene	0.12	I	2.19	1.36		mg/Kg	☼	56	10 - 150
Benzo[k]fluoranthene	0.21	I	2.19	2.09		mg/Kg	☼	86	10 - 150
Chrysene	0.49		2.19	2.35		mg/Kg	☼	85	10 - 150
Dibenz(a,h)anthracene	0.013	U	2.19	1.57		mg/Kg	☼	72	32 - 111
Fluoranthene	0.64		2.19	2.39		mg/Kg	☼	80	10 - 150
Fluorene	0.019	I	2.19	1.96		mg/Kg	☼	89	10 - 150
Indeno[1,2,3-cd]pyrene	0.13	I	2.19	1.59		mg/Kg	☼	66	10 - 150
Naphthalene	0.031	I	2.19	1.65		mg/Kg	☼	74	10 - 150
Phenanthrene	0.41	I	2.19	2.21		mg/Kg	☼	82	10 - 150
Pyrene	0.47		2.19	2.20		mg/Kg	☼	79	10 - 150
1-Methylnaphthalene	0.038	I	2.19	1.84		mg/Kg	☼	82	10 - 150
2-Methylnaphthalene	0.044	I	2.19	1.74		mg/Kg	☼	77	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	82		44 - 108
Nitrobenzene-d5 (Surr)	73		27 - 114
Terphenyl-d14 (Surr)	82		36 - 134

Lab Sample ID: 400-85339-A-1-J MSD

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.013	U	2.21	1.81		mg/Kg	☼	82	10 - 150	2	36
Acenaphthylene	0.030	I	2.21	1.79		mg/Kg	☼	80	10 - 150	6	29
Anthracene	0.061	I	2.21	1.99		mg/Kg	☼	87	10 - 150	8	30
Benzo[a]anthracene	0.36	I	2.21	2.52		mg/Kg	☼	98	10 - 150	7	33
Benzo[a]pyrene	0.38	I	2.21	2.46		mg/Kg	☼	94	10 - 150	10	30
Benzo[b]fluoranthene	0.57		2.21	2.68		mg/Kg	☼	96	10 - 150	15	31
Benzo[g,h,i]perylene	0.12	I	2.21	1.43		mg/Kg	☼	59	10 - 150	5	30
Benzo[k]fluoranthene	0.21	I	2.21	2.20		mg/Kg	☼	90	10 - 150	5	29
Chrysene	0.49		2.21	2.63		mg/Kg	☼	97	10 - 150	11	33
Dibenz(a,h)anthracene	0.013	U	2.21	1.67		mg/Kg	☼	75	32 - 111	6	30
Fluoranthene	0.64		2.21	2.81		mg/Kg	☼	98	10 - 150	16	42

TestAmerica Pensacola

QC Sample Results

AR-003151

Client: Barksdale & Associates

TestAmerica Job ID: 400-85526-1

Project/Site: VIIS CANEEL BAY RESORT

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-85339-A-1-J MSD

Matrix: Solid

Analysis Batch: 205076

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene	0.019	I	2.21	2.03		mg/Kg	☼	91	10 - 150	3	36
Indeno[1,2,3-cd]pyrene	0.13	I	2.21	1.64		mg/Kg	☼	68	10 - 150	3	31
Naphthalene	0.031	I	2.21	1.80		mg/Kg	☼	80	10 - 150	9	33
Phenanthrene	0.41	I	2.21	2.48		mg/Kg	☼	94	10 - 150	11	34
Pyrene	0.47		2.21	2.52		mg/Kg	☼	93	10 - 150	14	45
1-Methylnaphthalene	0.038	I	2.21	1.99		mg/Kg	☼	88	10 - 150	8	29
2-Methylnaphthalene	0.044	I	2.21	1.90		mg/Kg	☼	84	10 - 150	9	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	83		44 - 108
Nitrobenzene-d5 (Surr)	79		27 - 114
Terphenyl-d14 (Surr)	87		36 - 134

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 400-205185/25-B

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
alpha-BHC	0.000041	U	0.00085	0.000041	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
beta-BHC	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
delta-BHC	0.000035	U	0.00085	0.000035	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
gamma-BHC (Lindane)	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
alpha-Chlordane	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
gamma-Chlordane	0.000048	U	0.00085	0.000048	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
4,4'-DDD	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
4,4'-DDE	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
4,4'-DDT	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Dieldrin	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endosulfan I	0.000080	U	0.00085	0.000080	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endosulfan II	0.000041	U	0.00085	0.000041	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endosulfan sulfate	0.00013	U	0.00085	0.00013	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endrin	0.000039	U	0.00085	0.000039	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endrin aldehyde	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endrin ketone	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Heptachlor	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Heptachlor epoxide	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Methoxychlor	0.00014	U	0.00085	0.00014	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Toxaphene	0.0085	U	0.050	0.0085	mg/Kg		01/21/14 11:39	01/24/14 14:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	129		47 - 148	01/21/14 11:39	01/24/14 14:48	1
Tetrachloro-m-xylene	128		65 - 134	01/21/14 11:39	01/24/14 14:48	1

TestAmerica Pensacola

QC Sample Results

AR-003152

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

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

Lab Sample ID: LCS 400-205185/23-B

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0166	0.0148		mg/Kg		89	58 - 150
alpha-BHC	0.0166	0.0156		mg/Kg		94	58 - 150
beta-BHC	0.0166	0.0141		mg/Kg		85	57 - 150
delta-BHC	0.0166	0.0155		mg/Kg		93	57 - 150
gamma-BHC (Lindane)	0.0166	0.0152		mg/Kg		92	51 - 150
alpha-Chlordane	0.0166	0.0137		mg/Kg		82	61 - 150
gamma-Chlordane	0.0166	0.0144		mg/Kg		86	60 - 150
4,4'-DDD	0.0166	0.0113		mg/Kg		68	56 - 150
4,4'-DDE	0.0166	0.0150		mg/Kg		90	64 - 150
4,4'-DDT	0.0166	0.0157		mg/Kg		94	52 - 150
Dieldrin	0.0166	0.0151		mg/Kg		90	66 - 150
Endosulfan I	0.0166	0.0121		mg/Kg		73	63 - 150
Endosulfan II	0.0166	0.0131		mg/Kg		79	61 - 150
Endosulfan sulfate	0.0166	0.0153		mg/Kg		92	55 - 150
Endrin	0.0166	0.0137		mg/Kg		82	65 - 150
Endrin aldehyde	0.0166	0.0140		mg/Kg		84	39 - 150
Endrin ketone	0.0166	0.0153		mg/Kg		92	53 - 150
Heptachlor	0.0166	0.0146		mg/Kg		88	58 - 150
Heptachlor epoxide	0.0166	0.0146		mg/Kg		87	64 - 150
Methoxychlor	0.0166	0.0153		mg/Kg		92	46 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	86		47 - 148
Tetrachloro-m-xylene	81		65 - 134

Lab Sample ID: 400-85526-5 MS

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: 07-SS-05

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.000055	U	0.0183	0.0203		mg/Kg	✱	111	47 - 135
alpha-BHC	0.000045	U	0.0183	0.0209		mg/Kg	✱	114	61 - 126
beta-BHC	0.000055	U	0.0183	0.0177		mg/Kg	✱	97	53 - 129
delta-BHC	0.000039	U	0.0183	0.0200		mg/Kg	✱	109	59 - 138
gamma-BHC (Lindane)	0.000055	U	0.0183	0.0204		mg/Kg	✱	111	60 - 125
alpha-Chlordane	0.000055	U	0.0183	0.0191		mg/Kg	✱	104	10 - 150
gamma-Chlordane	0.000054	U	0.0183	0.0196		mg/Kg	✱	107	10 - 150
4,4'-DDD	0.000055	U	0.0183	0.0180		mg/Kg	✱	98	10 - 150
4,4'-DDE	0.000055	U	0.0183	0.0209		mg/Kg	✱	114	49 - 141
4,4'-DDT	0.000055	U	0.0183	0.0224		mg/Kg	✱	122	46 - 150
Dieldrin	0.000055	U	0.0183	0.0203		mg/Kg	✱	111	10 - 150
Endosulfan I	0.000088	U	0.0183	0.0158		mg/Kg	✱	86	10 - 150
Endosulfan II	0.000046	U	0.0183	0.0180		mg/Kg	✱	98	54 - 135
Endosulfan sulfate	0.00014	U	0.0183	0.0121		mg/Kg	✱	66	54 - 144
Endrin	0.000043	U	0.0183	0.0188		mg/Kg	✱	102	55 - 146
Endrin aldehyde	0.000055	U	0.0183	0.00676	J3	mg/Kg	✱	37	50 - 150
Endrin ketone	0.000055	U	0.0183	0.0180		mg/Kg	✱	98	54 - 142
Heptachlor	0.000055	U	0.0183	0.0208		mg/Kg	✱	114	10 - 150

TestAmerica Pensacola

QC Sample Results

AR-003153

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

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

Lab Sample ID: 400-85526-5 MS

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: 07-SS-05

Prep Type: Total/NA

Prep Batch: 205185

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Heptachlor epoxide	0.000055	U	0.0183	0.0198		mg/Kg	☼	108	62 - 134		
Methoxychlor	0.00016	U	0.0183	0.0206		mg/Kg	☼	112	50 - 150		
Surrogate	MS %Recovery	MS Qualifier	MS Limits								
DCB Decachlorobiphenyl	102		47 - 148								
Tetrachloro-m-xylene	99		65 - 134								

Lab Sample ID: 400-85526-5 MSD

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: 07-SS-05

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Aldrin	0.000055	U	0.0183	0.0190		mg/Kg	☼	104	47 - 135	7	66
alpha-BHC	0.000045	U	0.0183	0.0198		mg/Kg	☼	108	61 - 126	5	19
beta-BHC	0.000055	U	0.0183	0.0168		mg/Kg	☼	92	53 - 129	5	30
delta-BHC	0.000039	U	0.0183	0.0193		mg/Kg	☼	105	59 - 138	3	31
gamma-BHC (Lindane)	0.000055	U	0.0183	0.0191		mg/Kg	☼	105	60 - 125	7	25
alpha-Chlordane	0.000055	U	0.0183	0.0179		mg/Kg	☼	98	10 - 150	6	42
gamma-Chlordane	0.000054	U	0.0183	0.0185		mg/Kg	☼	101	10 - 150	6	46
4,4'-DDD	0.000055	U	0.0183	0.0173		mg/Kg	☼	94	10 - 150	4	106
4,4'-DDE	0.000055	U	0.0183	0.0201		mg/Kg	☼	110	49 - 141	4	55
4,4'-DDT	0.000055	U	0.0183	0.0218		mg/Kg	☼	119	46 - 150	3	39
Dieldrin	0.000055	U	0.0183	0.0191		mg/Kg	☼	104	10 - 150	6	38
Endosulfan I	0.000088	U	0.0183	0.0148		mg/Kg	☼	81	10 - 150	7	62
Endosulfan II	0.000046	U	0.0183	0.0171		mg/Kg	☼	93	54 - 135	5	30
Endosulfan sulfate	0.00014	U	0.0183	0.0112		mg/Kg	☼	61	54 - 144	8	29
Endrin	0.000043	U	0.0183	0.0179		mg/Kg	☼	98	55 - 146	5	30
Endrin aldehyde	0.000055	U	0.0183	0.00640	J3	mg/Kg	☼	35	50 - 150	5	38
Endrin ketone	0.000055	U	0.0183	0.0160		mg/Kg	☼	87	54 - 142	12	28
Heptachlor	0.000055	U	0.0183	0.0206		mg/Kg	☼	113	10 - 150	1	33
Heptachlor epoxide	0.000055	U	0.0183	0.0186		mg/Kg	☼	102	62 - 134	7	26
Methoxychlor	0.00016	U	0.0183	0.0199		mg/Kg	☼	109	50 - 150	3	36
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl	99		47 - 148								
Tetrachloro-m-xylene	96		65 - 134								

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 400-205185/25-B

Matrix: Solid

Analysis Batch: 205862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0022	U	0.0085	0.0022	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1221	0.0075	U	0.0085	0.0075	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1232	0.0080	U	0.0085	0.0080	mg/Kg		01/21/14 11:39	01/24/14 13:55	1

TestAmerica Pensacola

QC Sample Results

AR-003154

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 400-205185/25-B

Matrix: Solid

Analysis Batch: 205862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	0.0050	U	0.0085	0.0050	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1248	0.0016	U	0.0085	0.0016	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1254	0.0028	U	0.0085	0.0028	mg/Kg		01/21/14 11:39	01/24/14 13:55	1
PCB-1260	0.0030	U	0.0085	0.0030	mg/Kg		01/21/14 11:39	01/24/14 13:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		30 - 150	01/21/14 11:39	01/24/14 13:55	1
Tetrachloro-m-xylene	98		43 - 142	01/21/14 11:39	01/24/14 13:55	1

Lab Sample ID: LCS 400-205185/24-A

Matrix: Solid

Analysis Batch: 205862

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.166	0.156		mg/Kg		94	54 - 126
PCB-1260	0.166	0.144		mg/Kg		87	56 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	71		30 - 150
Tetrachloro-m-xylene	95		43 - 142

Lab Sample ID: 400-85526-5 MS

Matrix: Solid

Analysis Batch: 205862

Client Sample ID: 07-SS-05

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.0024	U	0.182	0.184		mg/Kg	☼	101	15 - 150
PCB-1260	0.0034	U	0.182	0.175		mg/Kg	☼	96	21 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	75		30 - 150
Tetrachloro-m-xylene	113		43 - 142

Lab Sample ID: 400-85526-5 MSD

Matrix: Solid

Analysis Batch: 205862

Client Sample ID: 07-SS-05

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	0.0024	U	0.184	0.186		mg/Kg	☼	101	15 - 150	1	42
PCB-1260	0.0034	U	0.184	0.183		mg/Kg	☼	99	21 - 150	4	29

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	74		30 - 150
Tetrachloro-m-xylene	106		43 - 142

TestAmerica Pensacola

QC Sample Results

AR-003155

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 400-205142/18-A

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.011	U	0.20	0.011	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
2,4-DB	0.0070	U	0.015	0.0070	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
2,4,5-T	0.0034	U	0.040	0.0034	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Silvex (2,4,5-TP)	0.017	U	0.040	0.017	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dalapon	0.071	U	1.2	0.071	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dicamba	0.0012	U	0.060	0.0012	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dichlorprop	0.0033	U	0.13	0.0033	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dinoseb	0.0043	U	0.20	0.0043	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
MCPA	0.87	U	50	0.87	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
MCPP	0.40	U	50	0.40	mg/Kg		01/21/14 08:33	01/23/14 10:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	69		10 - 150	01/21/14 08:33	01/23/14 10:22	1

Lab Sample ID: LCS 400-205142/17-A

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-DB	0.166	0.127		mg/Kg		77	16 - 117
2,4,5-T	0.0166	0.0139	I	mg/Kg		84	40 - 105
Silvex (2,4,5-TP)	0.0166	0.017	U	mg/Kg		91	34 - 97
Dalapon	0.416	0.343	I	mg/Kg		82	10 - 115
Dicamba	0.0166	0.0224	I	mg/Kg		135	10 - 141
Dichlorprop	0.166	0.156		mg/Kg		94	28 - 102
Dinoseb	0.0832	0.0488	I	mg/Kg		59	10 - 71
MCPA	16.6	13.7	I	mg/Kg		83	10 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	110		10 - 150

Lab Sample ID: 400-85591-B-6-B MS

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-DB	0.0079	U	0.187	0.0947		mg/Kg	☼	51	10 - 88
2,4,5-T	0.0038	U	0.0187	0.0115	I	mg/Kg	☼	62	10 - 107
Silvex (2,4,5-TP)	0.019	U	0.0187	0.019	U	mg/Kg	☼	NC	10 - 111
Dalapon	0.080	U	0.467	0.258	I	mg/Kg	☼	55	10 - 126
Dicamba	0.0014	U	0.0187	0.0153	I	mg/Kg	☼	82	10 - 150
Dichlorprop	0.0037	U	0.187	0.138	I	mg/Kg	☼	74	10 - 81
Dinoseb	0.0048	U	0.0934	0.0529	I	mg/Kg	☼	57	10 - 64
MCPA	0.98	U	18.7	13.0	I	mg/Kg	☼	70	10 - 101

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	95		10 - 150

TestAmerica Pensacola

QC Sample Results

AR-003156

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 400-85591-B-6-C MSD

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205142

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-DB	0.0079	U	0.188	0.0829		mg/Kg	☼	44	10 - 88	13	109
2,4,5-T	0.0038	U	0.0188	0.0108	I	mg/Kg	☼	57	10 - 107	7	121
Silvex (2,4,5-TP)	0.019	U	0.0188	0.019	U	mg/Kg	☼	NC	10 - 111	NC	102
Dalapon	0.080	U	0.471	0.317	I	mg/Kg	☼	67	10 - 126	20	76
Dicamba	0.0014	U	0.0188	0.0163	I	mg/Kg	☼	87	10 - 150	7	159
Dichlorprop	0.0037	U	0.188	0.133	I	mg/Kg	☼	71	10 - 81	3	96
Dinoseb	0.0048	U	0.0942	0.0397	I	mg/Kg	☼	42	10 - 64	29	99
MCPA	0.98	U	18.8	16.3	I	mg/Kg	☼	86	10 - 101	23	134

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	80		10 - 150

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 400-204983/1-A

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 204983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.19	U	0.48	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Arsenic	0.38	U	0.48	0.38	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Barium	0.19	U	0.96	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Cadmium	0.096	U	0.48	0.096	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Chromium	0.19	U	0.96	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Lead	0.19	U	0.48	0.19	mg/Kg		01/19/14 14:00	01/20/14 15:05	1
Selenium	0.433	I	0.96	0.38	mg/Kg		01/19/14 14:00	01/20/14 15:05	1

Lab Sample ID: LCS 400-204983/2-A

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	44.3	39.1		mg/Kg		88	74 - 126
Arsenic	151	135		mg/Kg		89	81 - 120
Barium	262	238		mg/Kg		91	83 - 117
Cadmium	152	141		mg/Kg		93	82 - 118
Chromium	117	109		mg/Kg		93	79 - 121
Lead	254	252		mg/Kg		99	81 - 119
Selenium	162	139		mg/Kg		86	77 - 122

Lab Sample ID: 400-85567-A-2-B MS

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.20	U	49.0	0.20	U J3	mg/Kg	☼	0	75 - 125
Arsenic	7.1		98.0	6.91	J3	mg/Kg	☼	-0.2	75 - 125
Barium	2.8		98.0	2.49	J3	mg/Kg	☼	-0.3	75 - 125

TestAmerica Pensacola

QC Sample Results

AR-003157

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85526-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 400-85567-A-2-B MS

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.098	U	49.0	0.098	U J3	mg/Kg	✱	0	75 - 125
Chromium	6.9		98.0	6.47	J3	mg/Kg	✱	-0.4	75 - 125
Lead	2.9		98.0	2.71	J3	mg/Kg	✱	-0.2	75 - 125
Selenium	0.85	I V	98.0	0.999	V J3	mg/Kg	✱	0.2	75 - 125

Lab Sample ID: 400-85567-A-2-C MSD

Matrix: Solid

Analysis Batch: 205127

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 204983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.20	U	48.8	0.20	U J3	mg/Kg	✱	0	75 - 125	NC	20
Arsenic	7.1		97.6	6.27	J3	mg/Kg	✱	-0.8	75 - 125	10	20
Barium	2.8		97.6	2.36	J3	mg/Kg	✱	-0.4	75 - 125	5	20
Cadmium	0.098	U	48.8	0.098	U J3	mg/Kg	✱	0	75 - 125	NC	20
Chromium	6.9		97.6	6.38	J3	mg/Kg	✱	-0.5	75 - 125	1	20
Lead	2.9		97.6	2.73	J3	mg/Kg	✱	-0.2	75 - 125	1	20
Selenium	0.85	I V	97.6	1.01	V J3	mg/Kg	✱	0.2	75 - 125	1	20

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 400-205147/14-A

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.039	0.023	mg/Kg		01/21/14 09:03	01/22/14 11:57	1

Lab Sample ID: LCS 400-205147/15-A

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.76	4.73		mg/Kg		82	80 - 120

Lab Sample ID: 400-85522-A-1-E MS

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.030		0.183	0.188		mg/Kg	✱	86	75 - 125

Lab Sample ID: 400-85522-A-1-F MSD

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.030		0.180	0.188		mg/Kg	✱	88	75 - 125	0	20

TestAmerica Pensacola

TestAmerica Pensacola
3355 McLeMere Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Lab P/N: Whitmire, Cheyenne R		Carrier Tracking No(s):		COC No: 400-31086-17742.7	
Mr. John Barksdale		Phone:		E-Mail: cheyenne.whitmire@testamericainc.com		Page:	
Company: Barksdale & Associates		Address: 105 South G Street		City: Pensacola		State, Zip: FL, 32502	
Phone: 850-291-4704(Tel)		PO #: Purchase Order not required		WO #:		Project #: 40000008	
Email: john@barksdaleandassociates.com		Project Name: VIIS Caneel Bay Resort		Site:		SSOW#:	
Due Date Requested:		TAT Requested (days): 2 weeks		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air)	Preservation Code	Field Filtered Sample (Yes or No)
07-SS-01	11/5/14	1420	C	Solid			
07-SS-02	11/5/14	1500	I	Solid			
07-SS-03	11/5/14	1520	I	Solid			
07-SS-04	11/5/14	1545	I	Solid			
07-SS-05	11/5/14	1620	I	Solid			
Possible Hazard Identification		Poison B		Skin Irritant		Flammable	
Deliverable Requested: I, II, III, IV, Other (specify)		Unknown		Radiological		Non-Hazard	
Empty Kit Relinquished by:		Date: 11/6/14		Time: 0850		Company: Barksdale	
Relinquished by:		Date: 11/6/14		Time: 0850		Company: Barksdale	
Relinquished by:		Date: 11/6/14		Time: 0850		Company: Barksdale	
Custody Seals Intact: Yes No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 36°C IR-2		Company: Barksdale	

Login Sample Receipt Checklist

Client: Barksdale & Associates

Job Number: 400-85526-1

Login Number: 85526

List Source: TestAmerica Pensacola

List Number: 1

Creator: Crawford, Lauren E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6°C IR-2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

AR-003160

Client: Barksdale & Associates

TestAmerica Job ID: 400-85526-1

Project/Site: VIIS CANEEL BAY RESORT

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-14
Arkansas DEQ	State Program	6	88-0689	09-01-14
Florida	NELAP	4	E81010	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200041	10-09-14
Iowa	State Program	7	367	08-01-14
Kansas	NELAP	7	E-10253	10-31-14
Kentucky (UST)	State Program	4	53	06-30-14
Louisiana	NELAP	6	30976	06-30-14
Maryland	State Program	3	233	09-30-14
Massachusetts	State Program	1	M-FL094	06-30-14
Michigan	State Program	5	9912	05-04-14
New Jersey	NELAP	2	FL006	06-30-14
North Carolina DENR	State Program	4	314	12-31-14
Oklahoma	State Program	6	9810	08-31-14
Pennsylvania	NELAP	3	68-00467	01-31-15
Rhode Island	State Program	1	LAO00307	12-30-14
South Carolina	State Program	4	96026	06-30-13 *
Tennessee	State Program	4	TN02907	06-30-14
Texas	NELAP	6	T104704286-12-5	09-30-14
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-14
West Virginia DEP	State Program	3	136	06-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pensacola

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-85591-1

Client Project/Site: VIIS CANEEL BAY RESORT

For:

Barksdale & Associates

105 South G Street

Pensacola, Florida 32502

Attn: Mr. John Barksdale



Authorized for release by:

2/4/2014 10:43:47 AM

Cheyenne Whitmire, Project Manager II

(850)474-1001

cheyenne.whitmire@testamericainc.com

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

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

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Case Narrative

AR-003163

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Job ID: 400-85591-1**Laboratory: TestAmerica Pensacola****Narrative****Job Narrative
400-85591-1****GC/MS Semi VOA**

Method(s) 8141A: The continuing calibration verification (CCV) associated with batch 205698 recovered above the upper control limit for Dichlorvos. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 03-SS-01 (400-85591-1), 03-SS-02 (400-85591-2), 03-SS-03 (400-85591-3), 03-SS-04 (400-85591-4), 03-SS-05 (400-85591-5), 03-SS-06 (400-85591-6).

Method(s) 8270D: The laboratory control sample (LCS) for batch 205462 recovered outside control limits for the following analytes: Naphthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The following samples were diluted due to the dark viscous nature of the sample matrix: 02-SU-01 (400-85591-7), 02-SU-02 (400-85591-8), 02-SU-03 (400-85591-9). Elevated reporting limits (RL) are provided.

HPLC

Method(s) 9056: The following samples were diluted due to yellow color: 03-SS-01 (400-85591-1), 03-SS-02 (400-85591-2), 03-SS-03 (400-85591-3), 03-SS-04 (400-85591-4), 03-SS-05 (400-85591-5). Elevated reporting limits (RL) are provided.

GC Semi VOA

Method(s) 8151A: The continuing calibration verification (CCV) associated with batch 205583 recovered above the upper control limit for Dalapon and 2,4-DB. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 03-SS-01 (400-85591-1), 03-SS-06 (400-85591-6).

Method(s) 8151A: The laboratory control sample (LCS) for batch 205583 recovered outside control limits for the following analyte: 2,4,5-T. These analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data has been reported.

Method(s) 8151A: The continuing calibration verification (CCV) associated with batch 205585 recovered above the upper control limit for Dalapon. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 03-SS-02 (400-85591-2), 03-SS-03 (400-85591-3), 03-SS-04 (400-85591-4), 03-SS-05 (400-85591-5).

Metals

Method(s) 6010C: The low level check standard (CCVL) recovery associated with batch 206287 is outside the acceptance criteria for the following analyte: Pb. Because the target analyte result is greater than 5 times the reporting limit (RL), the continuing calibration verification (CCV, mid-range concentration) is referenced rather than the CCVL. The following sample is affected: 03-SS-01 (400-85591-1).

Method Summary

AR-003164

Client: Barksdale & Associates

TestAmerica Job ID: 400-85591-1

Project/Site: VIIS CANEEL BAY RESORT

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8141A	Organophosphorous Pesticides (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8081B	Organochlorine Pesticides (GC)	SW846	TAL PEN
8151A	Herbicides (GC)	SW846	TAL PEN
9056	Anions, Ion Chromatography	SW846	TAL PEN
6010C	Metals (ICP)	SW846	TAL PEN
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL PEN
Moisture	Percent Moisture	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

AR-003165

Client: Barksdale & Associates

TestAmerica Job ID: 400-85591-1

Project/Site: VIIS CANEEL BAY RESORT

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-85591-1	03-SS-01	Solid	01/16/14 13:40	01/18/14 09:28
400-85591-2	03-SS-02	Solid	01/16/14 13:50	01/18/14 09:28
400-85591-3	03-SS-03	Solid	01/16/14 14:10	01/18/14 09:28
400-85591-4	03-SS-04	Solid	01/16/14 14:40	01/18/14 09:28
400-85591-5	03-SS-05	Solid	01/16/14 15:10	01/18/14 09:28
400-85591-6	03-SS-06	Solid	01/16/14 15:25	01/18/14 09:28
400-85591-7	02-SU-01	Solid	01/13/14 11:40	01/18/14 09:28
400-85591-8	02-SU-02	Solid	01/15/14 11:15	01/18/14 09:28
400-85591-9	02-SU-03	Solid	01/15/14 11:15	01/18/14 09:28

Client Sample Results

AR-003166

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-01

Lab Sample ID: 400-85591-1

Date Collected: 01/16/14 13:40

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 82.4

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0079	U	0.040	0.0079	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Chlorpyrifos	0.0090	U	0.040	0.0090	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Coumaphos	0.016	U	0.40	0.016	mg/Kg	☼	01/21/14 11:27	01/31/14 23:01	1
Diazinon	0.018	U	0.079	0.018	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Dichlorvos	0.0083	U	0.079	0.0083	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Disulfoton	0.0075	U	0.079	0.0075	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Ethoprop	0.013	U	0.040	0.013	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Fensulfothion	0.013	U	0.40	0.013	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Fenthion	0.0091	U	0.040	0.0091	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Methyl parathion	0.0091	U	0.040	0.0091	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Mevinphos	0.016	U	0.079	0.016	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Phorate	0.012	U	0.040	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Ronnel	0.0089	U	0.040	0.0089	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Stirophos	0.022	U	0.040	0.022	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Terbutryn	0.010	U	0.040	0.010	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Tokuthion	0.025	U	0.040	0.025	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Dimethoate	0.0099	U	0.079	0.0099	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
EPN	0.0097	U	0.079	0.0097	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Ethyl Parathion	0.010	U	0.040	0.010	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Malathion	0.0077	U	0.040	0.0077	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Sulfotepp	0.0079	U	0.040	0.0079	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1
Famphur	0.010	U	0.079	0.010	mg/Kg	☼	01/21/14 11:27	01/31/14 23:01	1
Thionazin	0.011	U	0.040	0.011	mg/Kg	☼	01/21/14 11:27	01/31/14 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	87		30 - 164	01/21/14 11:27	01/31/14 00:33	1
Triphenylphosphate	87		30 - 164	01/21/14 11:27	01/31/14 23:01	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.000060	U	0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
alpha-BHC	0.000049	U	0.0010	0.000049	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
beta-BHC	0.000060	U	0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
delta-BHC	0.000042	U	0.0010	0.000042	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
gamma-BHC (Lindane)	0.000060	U	0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
alpha-Chlordane	0.000060	U	0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
gamma-Chlordane	0.000058	U	0.0010	0.000058	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
4,4'-DDD	0.00013	I	0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
4,4'-DDE	0.0037		0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
4,4'-DDT	0.0013		0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Dieldrin	0.000060	U	0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Endosulfan I	0.000096	U	0.0010	0.000096	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Endosulfan II	0.000050	U	0.0010	0.000050	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Endosulfan sulfate	0.00016	U	0.0010	0.00016	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Endrin	0.00079	I	0.0010	0.000047	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Endrin aldehyde	0.000060	U	0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Endrin ketone	0.000060	U	0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Heptachlor	0.000060	U	0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Heptachlor epoxide	0.000060	U	0.0010	0.000060	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Methoxychlor	0.00017	U	0.0010	0.00017	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1

TestAmerica Pensacola

Client Sample Results

AR-003167

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-01

Lab Sample ID: 400-85591-1

Date Collected: 01/16/14 13:40

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.010	U	0.060	0.010	mg/Kg	☼	01/21/14 11:39	01/24/14 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		47 - 148				01/21/14 11:39	01/24/14 19:32	1
Tetrachloro-m-xylene	97		65 - 134				01/21/14 11:39	01/24/14 19:32	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.013	U	0.24	0.013	mg/Kg	☼	01/21/14 08:33	01/23/14 12:57	1
2,4-DB	0.0084	U	0.018	0.0084	mg/Kg	☼	01/21/14 08:33	01/23/14 12:57	1
2,4,5-T	0.0041	U J3	0.048	0.0041	mg/Kg	☼	01/21/14 08:33	01/23/14 12:57	1
Silvex (2,4,5-TP)	0.020	U	0.048	0.020	mg/Kg	☼	01/21/14 08:33	01/23/14 12:57	1
Dalapon	0.086	U	1.4	0.086	mg/Kg	☼	01/21/14 08:33	01/23/14 12:57	1
Dicamba	0.0014	U	0.072	0.0014	mg/Kg	☼	01/21/14 08:33	01/23/14 12:57	1
Dichlorprop	0.0040	U	0.16	0.0040	mg/Kg	☼	01/21/14 08:33	01/23/14 12:57	1
Dinoseb	0.0052	U	0.24	0.0052	mg/Kg	☼	01/21/14 08:33	01/23/14 12:57	1
MCPA	1.0	U	60	1.0	mg/Kg	☼	01/21/14 08:33	01/23/14 12:57	1
MCPP	0.48	U	60	0.48	mg/Kg	☼	01/21/14 08:33	01/23/14 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	79		10 - 150				01/21/14 08:33	01/23/14 12:57	1

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	15		6.0	2.0	mg/Kg	☼		01/21/14 22:08	5
Nitrite as N	15		6.0	2.0	mg/Kg	☼		01/21/14 22:08	5
Nitrate Nitrite as N	30		6.0	2.0	mg/Kg	☼		01/21/14 22:08	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.1		0.57	0.46	mg/Kg	☼	01/22/14 10:30	01/31/14 18:25	1
Barium	36		1.1	0.23	mg/Kg	☼	01/22/14 10:30	01/31/14 18:25	1
Cadmium	0.16	I	0.57	0.11	mg/Kg	☼	01/22/14 10:30	01/31/14 18:25	1
Chromium	17		1.1	0.23	mg/Kg	☼	01/22/14 10:30	01/31/14 18:25	1
Lead	7.7		0.57	0.23	mg/Kg	☼	01/22/14 10:30	01/31/14 18:25	1
Selenium	1.6		1.1	0.46	mg/Kg	☼	01/22/14 10:30	01/31/14 18:25	1
Silver	0.23	U	0.57	0.23	mg/Kg	☼	01/22/14 10:30	01/31/14 18:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	U	0.019	0.011	mg/Kg	☼	01/21/14 10:18	01/22/14 12:44	1

TestAmerica Pensacola

Client Sample Results

AR-003168

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-02

Lab Sample ID: 400-85591-2

Date Collected: 01/16/14 13:50

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 94.0

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0070	U	0.035	0.0070	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Chlorpyrifos	0.0079	U	0.035	0.0079	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Coumaphos	0.014	U	0.35	0.014	mg/Kg	☼	01/21/14 11:27	01/31/14 23:34	1
Diazinon	0.016	U	0.070	0.016	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Dichlorvos	0.0073	U	0.070	0.0073	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Disulfoton	0.0066	U	0.070	0.0066	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Ethoprop	0.012	U	0.035	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Fensulfothion	0.012	U	0.35	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Fenthion	0.0081	U	0.035	0.0081	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Methyl parathion	0.0081	U	0.035	0.0081	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Mevinphos	0.014	U	0.070	0.014	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Phorate	0.011	U	0.035	0.011	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Ronnel	0.0078	U	0.035	0.0078	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Stirophos	0.019	U	0.035	0.019	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Terbutryn	0.0088	U	0.035	0.0088	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Tokuthion	0.022	U	0.035	0.022	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Dimethoate	0.0087	U	0.070	0.0087	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
EPN	0.0086	U	0.070	0.0086	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Ethyl Parathion	0.0089	U	0.035	0.0089	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Malathion	0.0090	I	0.035	0.0068	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Sulfotepp	0.0070	U	0.035	0.0070	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1
Famphur	0.0090	U	0.070	0.0090	mg/Kg	☼	01/21/14 11:27	01/31/14 23:34	1
Thionazin	0.0098	U	0.035	0.0098	mg/Kg	☼	01/21/14 11:27	01/31/14 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	110		30 - 164	01/21/14 11:27	01/31/14 01:06	1
Triphenylphosphate	114		30 - 164	01/21/14 11:27	01/31/14 23:34	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00019	I	0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
alpha-BHC	0.000044	U	0.00090	0.000044	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
beta-BHC	0.000053	U	0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
delta-BHC	0.000037	U	0.00090	0.000037	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
gamma-BHC (Lindane)	0.000053	U	0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
alpha-Chlordane	0.000053	U	0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
gamma-Chlordane	0.000052	U	0.00090	0.000052	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
4,4'-DDD	0.0010		0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
4,4'-DDE	0.022		0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
4,4'-DDT	0.012		0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Dieldrin	0.0013		0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Endosulfan I	0.014		0.00090	0.000085	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Endosulfan II	0.017		0.00090	0.000044	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Endosulfan sulfate	0.0097		0.00090	0.00014	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Endrin	0.000041	U	0.00090	0.000041	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Endrin aldehyde	0.000053	U	0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Endrin ketone	0.000053	U	0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Heptachlor	0.000053	U	0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Heptachlor epoxide	0.000053	U	0.00090	0.000053	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Methoxychlor	0.00015	U	0.00090	0.00015	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1

TestAmerica Pensacola

Client Sample Results

AR-003169

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-02

Lab Sample ID: 400-85591-2

Date Collected: 01/16/14 13:50

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.0090	U	0.053	0.0090	mg/Kg	☼	01/21/14 11:39	01/24/14 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	112		47 - 148				01/21/14 11:39	01/24/14 20:04	1
Tetrachloro-m-xylene	116		65 - 134				01/21/14 11:39	01/24/14 20:04	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.012	U	0.21	0.012	mg/Kg	☼	01/21/14 08:33	01/23/14 16:48	1
2,4-DB	0.0074	U	0.016	0.0074	mg/Kg	☼	01/21/14 08:33	01/23/14 16:48	1
2,4,5-T	0.0036	U	0.042	0.0036	mg/Kg	☼	01/21/14 08:33	01/23/14 16:48	1
Silvex (2,4,5-TP)	0.018	U	0.042	0.018	mg/Kg	☼	01/21/14 08:33	01/23/14 16:48	1
Dalapon	0.075	U	1.3	0.075	mg/Kg	☼	01/21/14 08:33	01/23/14 16:48	1
Dicamba	0.0013	U	0.063	0.0013	mg/Kg	☼	01/21/14 08:33	01/23/14 16:48	1
Dichlorprop	0.0035	U	0.14	0.0035	mg/Kg	☼	01/21/14 08:33	01/23/14 16:48	1
Dinoseb	0.0045	U	0.21	0.0045	mg/Kg	☼	01/21/14 08:33	01/23/14 16:48	1
MCPA	0.91	U	53	0.91	mg/Kg	☼	01/21/14 08:33	01/23/14 16:48	1
MCPP	0.42	U	53	0.42	mg/Kg	☼	01/21/14 08:33	01/23/14 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	60		10 - 150				01/21/14 08:33	01/23/14 16:48	1

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	20		5.3	1.8	mg/Kg	☼		01/21/14 22:31	5
Nitrite as N	13		5.3	1.8	mg/Kg	☼		01/21/14 22:31	5
Nitrate Nitrite as N	33		5.3	1.8	mg/Kg	☼		01/21/14 22:31	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		0.49	0.39	mg/Kg	☼	01/22/14 10:30	01/31/14 18:52	1
Barium	58		0.98	0.20	mg/Kg	☼	01/22/14 10:30	01/31/14 18:52	1
Cadmium	0.40	I	0.49	0.098	mg/Kg	☼	01/22/14 10:30	01/31/14 18:52	1
Chromium	45		0.98	0.20	mg/Kg	☼	01/22/14 10:30	01/31/14 18:52	1
Lead	15		0.49	0.20	mg/Kg	☼	01/22/14 10:30	01/31/14 18:52	1
Selenium	0.51	I	0.98	0.39	mg/Kg	☼	01/22/14 10:30	01/31/14 18:52	1
Silver	0.20	U	0.49	0.20	mg/Kg	☼	01/22/14 10:30	01/31/14 18:52	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.017	0.0099	mg/Kg	☼	01/21/14 10:18	01/22/14 12:45	1

TestAmerica Pensacola

Client Sample Results

AR-003170

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-03

Lab Sample ID: 400-85591-3

Date Collected: 01/16/14 14:10

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 87.9

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0074	U	0.037	0.0074	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Chlorpyrifos	0.0084	U	0.037	0.0084	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Coumaphos	0.015	U	0.37	0.015	mg/Kg	☼	01/21/14 11:27	02/01/14 00:07	1
Diazinon	0.017	U	0.074	0.017	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Dichlorvos	0.0077	U	0.074	0.0077	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Disulfoton	0.0070	U	0.074	0.0070	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Ethoprop	0.012	U	0.037	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Fensulfothion	0.012	U	0.37	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Fenthion	0.0085	U	0.037	0.0085	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Methyl parathion	0.0085	U	0.037	0.0085	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Mevinphos	0.015	U	0.074	0.015	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Phorate	0.011	U	0.037	0.011	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Ronnel	0.0083	U	0.037	0.0083	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Stirophos	0.020	U	0.037	0.020	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Terbutryn	0.0093	U	0.037	0.0093	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Tokuthion	0.024	U	0.037	0.024	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Dimethoate	0.0092	U	0.074	0.0092	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
EPN	0.0091	U	0.074	0.0091	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Ethyl Parathion	0.0094	U	0.037	0.0094	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Malathion	0.0072	U	0.037	0.0072	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Sulfotepp	0.0074	U	0.037	0.0074	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1
Famphur	0.0095	U	0.074	0.0095	mg/Kg	☼	01/21/14 11:27	02/01/14 00:07	1
Thionazin	0.010	U	0.037	0.010	mg/Kg	☼	01/21/14 11:27	01/31/14 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	131		30 - 164	01/21/14 11:27	01/31/14 01:39	1
Triphenylphosphate	131		30 - 164	01/21/14 11:27	02/01/14 00:07	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00033	I	0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
alpha-BHC	0.000047	U	0.00097	0.000047	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
beta-BHC	0.00049	I	0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
delta-BHC	0.000040	U	0.00097	0.000040	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
gamma-BHC (Lindane)	0.000057	U	0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
alpha-Chlordane	0.040		0.0048	0.00028	mg/Kg	☼	01/21/14 11:39	01/28/14 13:21	5
gamma-Chlordane	0.023		0.00097	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
4,4'-DDD	0.00074	I	0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
4,4'-DDE	0.019		0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
4,4'-DDT	0.0028		0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Dieldrin	0.013		0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Endosulfan I	0.000091	U	0.00097	0.000091	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Endosulfan II	0.0021		0.00097	0.000047	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Endosulfan sulfate	0.0013		0.00097	0.00015	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Endrin	0.000044	U	0.00097	0.000044	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Endrin aldehyde	0.000057	U	0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Endrin ketone	0.000057	U	0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Heptachlor	0.000057	U	0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Heptachlor epoxide	0.000057	U	0.00097	0.000057	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Methoxychlor	0.00016	U	0.00097	0.00016	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1

TestAmerica Pensacola

Client Sample Results

AR-003171

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-03
Lab Sample ID: 400-85591-3
Date Collected: 01/16/14 14:10
Matrix: Solid
Date Received: 01/18/14 09:28
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.0097	U	0.057	0.0097	mg/Kg	☼	01/21/14 11:39	01/24/14 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	114		47 - 148				01/21/14 11:39	01/24/14 20:35	1
Tetrachloro-m-xylene	126		65 - 134				01/21/14 11:39	01/24/14 20:35	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.012	U	0.23	0.012	mg/Kg	☼	01/21/14 08:33	01/23/14 17:14	1
2,4-DB	0.0079	U	0.017	0.0079	mg/Kg	☼	01/21/14 08:33	01/23/14 17:14	1
2,4,5-T	0.0039	U	0.045	0.0039	mg/Kg	☼	01/21/14 08:33	01/23/14 17:14	1
Silvex (2,4,5-TP)	0.019	U	0.045	0.019	mg/Kg	☼	01/21/14 08:33	01/23/14 17:14	1
Dalapon	0.080	U	1.4	0.080	mg/Kg	☼	01/21/14 08:33	01/23/14 17:14	1
Dicamba	0.0014	U	0.068	0.0014	mg/Kg	☼	01/21/14 08:33	01/23/14 17:14	1
Dichlorprop	0.0037	U	0.15	0.0037	mg/Kg	☼	01/21/14 08:33	01/23/14 17:14	1
Dinoseb	0.0049	U	0.23	0.0049	mg/Kg	☼	01/21/14 08:33	01/23/14 17:14	1
MCPA	0.99	U	57	0.99	mg/Kg	☼	01/21/14 08:33	01/23/14 17:14	1
MCPP	0.45	U	57	0.45	mg/Kg	☼	01/21/14 08:33	01/23/14 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	69		10 - 150				01/21/14 08:33	01/23/14 17:14	1

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	13		5.6	1.9	mg/Kg	☼		01/21/14 22:54	5
Nitrite as N	14		5.6	1.9	mg/Kg	☼		01/21/14 22:54	5
Nitrate Nitrite as N	27		5.6	1.9	mg/Kg	☼		01/21/14 22:54	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5		0.53	0.43	mg/Kg	☼	01/22/14 10:30	01/31/14 18:56	1
Barium	42		1.1	0.21	mg/Kg	☼	01/22/14 10:30	01/31/14 18:56	1
Cadmium	0.38	I	0.53	0.11	mg/Kg	☼	01/22/14 10:30	01/31/14 18:56	1
Chromium	24		1.1	0.21	mg/Kg	☼	01/22/14 10:30	01/31/14 18:56	1
Lead	20		0.53	0.21	mg/Kg	☼	01/22/14 10:30	01/31/14 18:56	1
Selenium	0.57	I	1.1	0.43	mg/Kg	☼	01/22/14 10:30	01/31/14 18:56	1
Silver	0.21	U	0.53	0.21	mg/Kg	☼	01/22/14 10:30	01/31/14 18:56	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	U	0.018	0.011	mg/Kg	☼	01/21/14 10:18	01/22/14 12:46	1

TestAmerica Pensacola

Client Sample Results

AR-003172

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-04

Lab Sample ID: 400-85591-4

Date Collected: 01/16/14 14:40

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 75.4

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0087	U	0.044	0.0087	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Chlorpyrifos	0.0099	U	0.044	0.0099	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Coumaphos	0.017	U	0.44	0.017	mg/Kg	☼	01/21/14 11:27	02/01/14 00:40	1
Diazinon	0.020	U	0.087	0.020	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Dichlorvos	0.0091	U	0.087	0.0091	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Disulfoton	0.0082	U	0.087	0.0082	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Ethoprop	0.015	U	0.044	0.015	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Fensulfothion	0.015	U	0.44	0.015	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Fenthion	0.010	U	0.044	0.010	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Methyl parathion	0.010	U	0.044	0.010	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Mevinphos	0.017	U	0.087	0.017	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Phorate	0.013	U	0.044	0.013	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Ronnel	0.0098	U	0.044	0.0098	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Stirophos	0.024	U	0.044	0.024	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Terbutryn	0.011	U	0.044	0.011	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Tokuthion	0.028	U	0.044	0.028	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Dimethoate	0.011	U	0.087	0.011	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
EPN	0.011	U	0.087	0.011	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Ethyl Parathion	0.011	U	0.044	0.011	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Malathion	0.0085	U	0.044	0.0085	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Sulfotepp	0.0087	U	0.044	0.0087	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1
Famphur	0.011	U	0.087	0.011	mg/Kg	☼	01/21/14 11:27	02/01/14 00:40	1
Thionazin	0.012	U	0.044	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	95		30 - 164	01/21/14 11:27	01/31/14 02:12	1
Triphenylphosphate	102		30 - 164	01/21/14 11:27	02/01/14 00:40	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00033	U	0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
alpha-BHC	0.00027	U	0.0056	0.00027	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
beta-BHC	0.00033	U	0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
delta-BHC	0.00023	U	0.0056	0.00023	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
gamma-BHC (Lindane)	0.00033	U	0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
alpha-Chlordane	0.00033	U	0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
gamma-Chlordane	0.00032	U	0.0056	0.00032	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
4,4'-DDD	0.00033	U	0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
4,4'-DDE	0.10		0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
4,4'-DDT	0.0066		0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Dieldrin	0.00033	U	0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Endosulfan I	0.00053	U	0.0056	0.00053	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Endosulfan II	0.00027	U	0.0056	0.00027	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Endosulfan sulfate	0.00086	U	0.0056	0.00086	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Endrin	0.00026	U	0.0056	0.00026	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Endrin aldehyde	0.00033	U	0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Endrin ketone	0.00033	U	0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Heptachlor	0.00033	U	0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Heptachlor epoxide	0.00033	U	0.0056	0.00033	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Methoxychlor	0.00096	U	0.0056	0.00096	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5

TestAmerica Pensacola

Client Sample Results

AR-003173

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-04

Lab Sample ID: 400-85591-4

Date Collected: 01/16/14 14:40

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 75.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.056	U	0.33	0.056	mg/Kg	☼	01/21/14 11:39	01/24/14 21:07	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		47 - 148				01/21/14 11:39	01/24/14 21:07	5
Tetrachloro-m-xylene	87		65 - 134				01/21/14 11:39	01/24/14 21:07	5

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.015	U	0.26	0.015	mg/Kg	☼	01/21/14 08:33	01/23/14 17:39	1
2,4-DB	0.0093	U	0.020	0.0093	mg/Kg	☼	01/21/14 08:33	01/23/14 17:39	1
2,4,5-T	0.0045	U	0.053	0.0045	mg/Kg	☼	01/21/14 08:33	01/23/14 17:39	1
Silvex (2,4,5-TP)	0.023	U	0.053	0.023	mg/Kg	☼	01/21/14 08:33	01/23/14 17:39	1
Dalapon	0.094	U	1.6	0.094	mg/Kg	☼	01/21/14 08:33	01/23/14 17:39	1
Dicamba	0.0016	U	0.079	0.0016	mg/Kg	☼	01/21/14 08:33	01/23/14 17:39	1
Dichlorprop	0.0044	U	0.17	0.0044	mg/Kg	☼	01/21/14 08:33	01/23/14 17:39	1
Dinoseb	0.0057	U	0.26	0.0057	mg/Kg	☼	01/21/14 08:33	01/23/14 17:39	1
MCPA	1.2	U	66	1.2	mg/Kg	☼	01/21/14 08:33	01/23/14 17:39	1
MCPP	0.53	U	66	0.53	mg/Kg	☼	01/21/14 08:33	01/23/14 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	86		10 - 150				01/21/14 08:33	01/23/14 17:39	1

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	12		6.5	2.1	mg/Kg	☼		01/22/14 00:25	5
Nitrite as N	2.1	U	6.5	2.1	mg/Kg	☼		01/22/14 00:25	5
Nitrate Nitrite as N	12		6.5	2.1	mg/Kg	☼		01/22/14 00:25	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0		0.61	0.49	mg/Kg	☼	01/22/14 10:30	01/31/14 18:59	1
Barium	59		1.2	0.25	mg/Kg	☼	01/22/14 10:30	01/31/14 18:59	1
Cadmium	0.47	I	0.61	0.12	mg/Kg	☼	01/22/14 10:30	01/31/14 18:59	1
Chromium	33		1.2	0.25	mg/Kg	☼	01/22/14 10:30	01/31/14 18:59	1
Lead	41		0.61	0.25	mg/Kg	☼	01/22/14 10:30	01/31/14 18:59	1
Selenium	0.68	I	1.2	0.49	mg/Kg	☼	01/22/14 10:30	01/31/14 18:59	1
Silver	0.25	U	0.61	0.25	mg/Kg	☼	01/22/14 10:30	01/31/14 18:59	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.011	mg/Kg	☼	01/21/14 10:18	01/22/14 12:48	1

TestAmerica Pensacola

Client Sample Results

AR-003174

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-05

Lab Sample ID: 400-85591-5

Date Collected: 01/16/14 15:10

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 90.2

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0073	U	0.036	0.0073	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Chlorpyrifos	0.0083	U	0.036	0.0083	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Coumaphos	0.014	U	0.36	0.014	mg/Kg	☼	01/21/14 11:27	02/01/14 01:13	1
Diazinon	0.017	U	0.073	0.017	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Dichlorvos	0.0076	U	0.073	0.0076	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Disulfoton	0.0069	U	0.073	0.0069	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Ethoprop	0.012	U	0.036	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Fensulfothion	0.012	U	0.36	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Fenthion	0.0084	U	0.036	0.0084	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Methyl parathion	0.0084	U	0.036	0.0084	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Mevinphos	0.014	U	0.073	0.014	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Phorate	0.011	U	0.036	0.011	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Ronnel	0.0082	U	0.036	0.0082	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Stirophos	0.020	U	0.036	0.020	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Terbutryn	0.0092	U	0.036	0.0092	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Tokuthion	0.023	U	0.036	0.023	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Dimethoate	0.0091	U	0.073	0.0091	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
EPN	0.0090	U	0.073	0.0090	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Ethyl Parathion	0.0093	U	0.036	0.0093	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Malathion	0.0071	U	0.036	0.0071	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Sulfotepp	0.0073	U	0.036	0.0073	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1
Famphur	0.0094	U	0.073	0.0094	mg/Kg	☼	01/21/14 11:27	02/01/14 01:13	1
Thionazin	0.010	U	0.036	0.010	mg/Kg	☼	01/21/14 11:27	01/31/14 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	107		30 - 164	01/21/14 11:27	01/31/14 02:46	1
Triphenylphosphate	111		30 - 164	01/21/14 11:27	02/01/14 01:13	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00046	I	0.00093	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
alpha-BHC	0.000045	U	0.00093	0.000045	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
beta-BHC	0.000055	U	0.00093	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
delta-BHC	0.000038	U	0.00093	0.000038	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
gamma-BHC (Lindane)	0.000055	U	0.00093	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
alpha-Chlordane	0.069		0.0093	0.00055	mg/Kg	☼	01/21/14 11:39	01/28/14 14:25	10
gamma-Chlordane	0.034		0.0093	0.00053	mg/Kg	☼	01/21/14 11:39	01/28/14 14:25	10
4,4'-DDD	0.0011		0.00093	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
4,4'-DDE	0.20		0.0093	0.00055	mg/Kg	☼	01/21/14 11:39	01/28/14 14:25	10
4,4'-DDT	0.022		0.00093	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Dieldrin	0.026		0.00093	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Endosulfan I	0.000088	U	0.00093	0.000088	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Endosulfan II	0.000046	U	0.00093	0.000046	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Endosulfan sulfate	0.00014	U	0.00093	0.00014	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Endrin	0.000043	U	0.00093	0.000043	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Endrin aldehyde	0.000055	U	0.00093	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Endrin ketone	0.000055	U	0.00093	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Heptachlor	0.00065	I	0.00093	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Heptachlor epoxide	0.0018		0.00093	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Methoxychlor	0.00016	U	0.00093	0.00016	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1

TestAmerica Pensacola

Client Sample Results

AR-003175

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-05

Lab Sample ID: 400-85591-5

Date Collected: 01/16/14 15:10

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.0093	U	0.055	0.0093	mg/Kg	☼	01/21/14 11:39	01/24/14 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		47 - 148				01/21/14 11:39	01/24/14 21:39	1
Tetrachloro-m-xylene	98		65 - 134				01/21/14 11:39	01/24/14 21:39	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.012	U	0.22	0.012	mg/Kg	☼	01/21/14 08:33	01/23/14 18:05	1
2,4-DB	0.0078	U	0.017	0.0078	mg/Kg	☼	01/21/14 08:33	01/23/14 18:05	1
2,4,5-T	0.0038	U	0.044	0.0038	mg/Kg	☼	01/21/14 08:33	01/23/14 18:05	1
Silvex (2,4,5-TP)	0.019	U	0.044	0.019	mg/Kg	☼	01/21/14 08:33	01/23/14 18:05	1
Dalapon	0.079	U	1.3	0.079	mg/Kg	☼	01/21/14 08:33	01/23/14 18:05	1
Dicamba	0.0013	U	0.066	0.0013	mg/Kg	☼	01/21/14 08:33	01/23/14 18:05	1
Dichlorprop	0.0037	U	0.14	0.0037	mg/Kg	☼	01/21/14 08:33	01/23/14 18:05	1
Dinoseb	0.0048	U	0.22	0.0048	mg/Kg	☼	01/21/14 08:33	01/23/14 18:05	1
MCPA	0.96	U	55	0.96	mg/Kg	☼	01/21/14 08:33	01/23/14 18:05	1
MCPP	0.44	U	55	0.44	mg/Kg	☼	01/21/14 08:33	01/23/14 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	77		10 - 150				01/21/14 08:33	01/23/14 18:05	1

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	13		5.5	1.8	mg/Kg	☼		01/22/14 00:48	5
Nitrite as N	14		5.5	1.8	mg/Kg	☼		01/22/14 00:48	5
Nitrate Nitrite as N	27		5.5	1.8	mg/Kg	☼		01/22/14 00:48	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.54	0.43	mg/Kg	☼	01/22/14 10:30	01/31/14 19:03	1
Barium	42		1.1	0.22	mg/Kg	☼	01/22/14 10:30	01/31/14 19:03	1
Cadmium	0.27	I	0.54	0.11	mg/Kg	☼	01/22/14 10:30	01/31/14 19:03	1
Chromium	33		1.1	0.22	mg/Kg	☼	01/22/14 10:30	01/31/14 19:03	1
Lead	13		0.54	0.22	mg/Kg	☼	01/22/14 10:30	01/31/14 19:03	1
Selenium	0.43	U	1.1	0.43	mg/Kg	☼	01/22/14 10:30	01/31/14 19:03	1
Silver	0.23	I	0.54	0.22	mg/Kg	☼	01/22/14 10:30	01/31/14 19:03	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.018	0.011	mg/Kg	☼	01/21/14 10:18	01/22/14 12:49	1

TestAmerica Pensacola

Client Sample Results

AR-003176

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-06

Lab Sample ID: 400-85591-6

Date Collected: 01/16/14 15:25

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 88.4

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bolstar	0.0074	U	0.037	0.0074	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Chlorpyrifos	0.0085	U	0.037	0.0085	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Coumaphos	0.015	U	0.37	0.015	mg/Kg	☼	01/21/14 11:27	02/01/14 01:47	1
Diazinon	0.017	U	0.074	0.017	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Dichlorvos	0.0078	U	0.074	0.0078	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Disulfoton	0.0070	U	0.074	0.0070	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Ethoprop	0.012	U	0.037	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Fensulfothion	0.012	U	0.37	0.012	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Fenthion	0.0086	U	0.037	0.0086	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Methyl parathion	0.0086	U	0.037	0.0086	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Mevinphos	0.015	U	0.074	0.015	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Phorate	0.011	U	0.037	0.011	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Ronnel	0.0083	U	0.037	0.0083	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Stirophos	0.020	U	0.037	0.020	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Terbutryn	0.0094	U	0.037	0.0094	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Tokuthion	0.024	U	0.037	0.024	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Dimethoate	0.0092	U	0.074	0.0092	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
EPN	0.0091	U	0.074	0.0091	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Ethyl Parathion	0.0095	U	0.037	0.0095	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Malathion	0.14		0.037	0.0072	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Sulfotepp	0.0074	U	0.037	0.0074	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1
Famphur	0.0096	U	0.074	0.0096	mg/Kg	☼	01/21/14 11:27	02/01/14 01:47	1
Thionazin	0.010	U	0.037	0.010	mg/Kg	☼	01/21/14 11:27	01/31/14 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	116		30 - 164	01/21/14 11:27	01/31/14 03:19	1
Triphenylphosphate	121		30 - 164	01/21/14 11:27	02/01/14 01:47	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.000056	U	0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
alpha-BHC	0.000046	U	0.00096	0.000046	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
beta-BHC	0.000056	U	0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
delta-BHC	0.000039	U	0.00096	0.000039	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
gamma-BHC (Lindane)	0.0021		0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
alpha-Chlordane	0.013		0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
gamma-Chlordane	0.0048		0.00096	0.000055	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
4,4'-DDD	0.000056	U	0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
4,4'-DDE	0.032		0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
4,4'-DDT	0.0098		0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Dieldrin	0.024		0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Endosulfan I	0.000090	U	0.00096	0.000090	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Endosulfan II	0.0028		0.00096	0.000047	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Endosulfan sulfate	0.0011		0.00096	0.00015	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Endrin	0.000044	U	0.00096	0.000044	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Endrin aldehyde	0.000056	U	0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Endrin ketone	0.000056	U	0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Heptachlor	0.000056	U	0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Heptachlor epoxide	0.000056	U	0.00096	0.000056	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Methoxychlor	0.00016	U	0.00096	0.00016	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1

TestAmerica Pensacola

Client Sample Results

AR-003177

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-06

Lab Sample ID: 400-85591-6

Date Collected: 01/16/14 15:25

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.0096	U	0.056	0.0096	mg/Kg	☼	01/21/14 11:39	01/24/14 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	109		47 - 148				01/21/14 11:39	01/24/14 22:10	1
Tetrachloro-m-xylene	112		65 - 134				01/21/14 11:39	01/24/14 22:10	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.012	U	0.23	0.012	mg/Kg	☼	01/21/14 08:33	01/23/14 12:31	1
2,4-DB	0.0079	U	0.017	0.0079	mg/Kg	☼	01/21/14 08:33	01/23/14 12:31	1
2,4,5-T	0.0038	U J3	0.045	0.0038	mg/Kg	☼	01/21/14 08:33	01/23/14 12:31	1
Silvex (2,4,5-TP)	0.019	U	0.045	0.019	mg/Kg	☼	01/21/14 08:33	01/23/14 12:31	1
Dalapon	0.080	U	1.4	0.080	mg/Kg	☼	01/21/14 08:33	01/23/14 12:31	1
Dicamba	0.0014	U	0.068	0.0014	mg/Kg	☼	01/21/14 08:33	01/23/14 12:31	1
Dichlorprop	0.0037	U	0.15	0.0037	mg/Kg	☼	01/21/14 08:33	01/23/14 12:31	1
Dinoseb	0.0048	U	0.23	0.0048	mg/Kg	☼	01/21/14 08:33	01/23/14 12:31	1
MCPA	0.98	U	56	0.98	mg/Kg	☼	01/21/14 08:33	01/23/14 12:31	1
MCPP	0.45	U	56	0.45	mg/Kg	☼	01/21/14 08:33	01/23/14 12:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	91		10 - 150				01/21/14 08:33	01/23/14 12:31	1

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	170		1.1	0.36	mg/Kg	☼		01/22/14 01:11	1
Nitrite as N	0.36	U	1.1	0.36	mg/Kg	☼		01/22/14 01:11	1
Nitrate Nitrite as N	170		1.1	0.36	mg/Kg	☼		01/22/14 01:11	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30		0.54	0.43	mg/Kg	☼	01/22/14 10:30	01/31/14 19:06	1
Barium	41		1.1	0.22	mg/Kg	☼	01/22/14 10:30	01/31/14 19:06	1
Cadmium	0.61		0.54	0.11	mg/Kg	☼	01/22/14 10:30	01/31/14 19:06	1
Chromium	56		1.1	0.22	mg/Kg	☼	01/22/14 10:30	01/31/14 19:06	1
Lead	9.1		0.54	0.22	mg/Kg	☼	01/22/14 10:30	01/31/14 19:06	1
Selenium	0.43	U	1.1	0.43	mg/Kg	☼	01/22/14 10:30	01/31/14 19:06	1
Silver	0.26	I	0.54	0.22	mg/Kg	☼	01/22/14 10:30	01/31/14 19:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.018	0.011	mg/Kg	☼	01/21/14 10:18	01/22/14 12:35	1

TestAmerica Pensacola

Client Sample Results

AR-003178

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 02-SU-01

Lab Sample ID: 400-85591-7

Date Collected: 01/13/14 11:40

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 80.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00061	U	0.0063	0.00061	mg/Kg	☼	01/21/14 14:50	01/23/14 14:49	1
Toluene	0.00088	U	0.0063	0.00088	mg/Kg	☼	01/21/14 14:50	01/23/14 14:49	1
Ethylbenzene	0.00093	I	0.0063	0.00076	mg/Kg	☼	01/21/14 14:50	01/23/14 14:49	1
Xylenes, Total	0.0024	U	0.013	0.0024	mg/Kg	☼	01/21/14 14:50	01/23/14 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		72 - 122				01/21/14 14:50	01/23/14 14:49	1
Dibromofluoromethane	94		79 - 123				01/21/14 14:50	01/23/14 14:49	1
Toluene-d8 (Surr)	109		80 - 120				01/21/14 14:50	01/23/14 14:49	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Acenaphthylene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Anthracene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Benzo[a]anthracene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Benzo[a]pyrene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Benzo[b]fluoranthene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Benzo[g,h,i]perylene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Benzo[k]fluoranthene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Chrysene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Dibenz(a,h)anthracene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Fluoranthene	0.075	I	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Fluorene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Indeno[1,2,3-cd]pyrene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Naphthalene	0.061	U J3	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Phenanthrene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Pyrene	0.077	I	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
1-Methylnaphthalene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
2-Methylnaphthalene	0.061	U	2.0	0.061	mg/Kg	☼	01/23/14 09:32	01/27/14 21:28	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		44 - 108				01/23/14 09:32	01/27/14 21:28	5
Nitrobenzene-d5 (Surr)	83		27 - 114				01/23/14 09:32	01/27/14 21:28	5
Terphenyl-d14 (Surr)	120		36 - 134				01/23/14 09:32	01/27/14 21:28	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.5		0.58	0.23	mg/Kg	☼	01/22/14 10:30	01/31/14 19:09	1

TestAmerica Pensacola

Client Sample Results

AR-003179

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 02-SU-02

Lab Sample ID: 400-85591-8

Date Collected: 01/15/14 11:15

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 80.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00062	U	0.0063	0.00062	mg/Kg	☼	01/21/14 14:50	01/23/14 15:12	1
Toluene	0.00089	U	0.0063	0.00089	mg/Kg	☼	01/21/14 14:50	01/23/14 15:12	1
Ethylbenzene	0.00077	U	0.0063	0.00077	mg/Kg	☼	01/21/14 14:50	01/23/14 15:12	1
Xylenes, Total	0.0024	U	0.013	0.0024	mg/Kg	☼	01/21/14 14:50	01/23/14 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 122				01/21/14 14:50	01/23/14 15:12	1
Dibromofluoromethane	95		79 - 123				01/21/14 14:50	01/23/14 15:12	1
Toluene-d8 (Surr)	106		80 - 120				01/21/14 14:50	01/23/14 15:12	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Acenaphthylene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Anthracene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Benzo[a]anthracene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Benzo[a]pyrene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Benzo[b]fluoranthene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Benzo[g,h,i]perylene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Benzo[k]fluoranthene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Chrysene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Dibenz(a,h)anthracene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Fluoranthene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Fluorene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Indeno[1,2,3-cd]pyrene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Naphthalene	0.037	U J3	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Phenanthrene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Pyrene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
1-Methylnaphthalene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
2-Methylnaphthalene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:06	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95		44 - 108				01/23/14 09:32	01/27/14 22:06	3
Nitrobenzene-d5 (Surr)	78		27 - 114				01/23/14 09:32	01/27/14 22:06	3
Terphenyl-d14 (Surr)	110		36 - 134				01/23/14 09:32	01/27/14 22:06	3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.3		0.58	0.23	mg/Kg	☼	01/22/14 10:30	01/31/14 19:13	1

TestAmerica Pensacola

Client Sample Results

AR-003180

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 02-SU-03

Lab Sample ID: 400-85591-9

Date Collected: 01/15/14 11:15

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 81.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00061	U	0.0062	0.00061	mg/Kg	☼	01/21/14 14:50	01/23/14 15:35	1
Toluene	0.00087	U	0.0062	0.00087	mg/Kg	☼	01/21/14 14:50	01/23/14 15:35	1
Ethylbenzene	0.00076	U	0.0062	0.00076	mg/Kg	☼	01/21/14 14:50	01/23/14 15:35	1
Xylenes, Total	0.0024	U	0.012	0.0024	mg/Kg	☼	01/21/14 14:50	01/23/14 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		72 - 122				01/21/14 14:50	01/23/14 15:35	1
Dibromofluoromethane	96		79 - 123				01/21/14 14:50	01/23/14 15:35	1
Toluene-d8 (Surr)	107		80 - 120				01/21/14 14:50	01/23/14 15:35	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Acenaphthylene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Anthracene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Benzo[a]anthracene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Benzo[a]pyrene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Benzo[b]fluoranthene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Benzo[g,h,i]perylene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Benzo[k]fluoranthene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Chrysene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Dibenz(a,h)anthracene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Fluoranthene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Fluorene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Indeno[1,2,3-cd]pyrene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Naphthalene	0.037	U J3	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Phenanthrene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Pyrene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
1-Methylnaphthalene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
2-Methylnaphthalene	0.037	U	1.2	0.037	mg/Kg	☼	01/23/14 09:32	01/27/14 22:44	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	96		44 - 108				01/23/14 09:32	01/27/14 22:44	3
Nitrobenzene-d5 (Surr)	81		27 - 114				01/23/14 09:32	01/27/14 22:44	3
Terphenyl-d14 (Surr)	119		36 - 134				01/23/14 09:32	01/30/14 15:25	3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.6		0.59	0.24	mg/Kg	☼	01/22/14 10:30	01/31/14 19:16	1

TestAmerica Pensacola

Definitions/Glossary

AR-003181

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
L	Off-scale high. Actual value is known to be greater than the value given.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Glossary

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

Lab Chronicle

AR-003182

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-01

Date Collected: 01/16/14 13:40

Date Received: 01/18/14 09:28

Lab Sample ID: 400-85591-1

Matrix: Solid

Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8141A		1	205698	01/31/14 00:33	AJR	TAL PEN
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	206210	01/31/14 23:01	AJR	TAL PEN
Total/NA	Analysis	8151A		1	205583	01/23/14 12:57	VC1	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8081B		1	205926	01/24/14 19:32	VC1	TAL PEN
Soluble	Leach	DI Leach			205034	01/20/14 09:18	TAJ	TAL PEN
Soluble	Analysis	9056		5	205504	01/21/14 22:08	TAJ	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 10:18	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:44	JAP	TAL PEN
Total/NA	Prep	3050B			205202	01/22/14 10:30	DN1	TAL PEN
Total/NA	Analysis	6010C		1	206287	01/31/14 18:25	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	205306	01/21/14 17:00	LEC	TAL PEN

Client Sample ID: 03-SS-02

Date Collected: 01/16/14 13:50

Date Received: 01/18/14 09:28

Lab Sample ID: 400-85591-2

Matrix: Solid

Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	205698	01/31/14 01:06	AJR	TAL PEN
Total/NA	Analysis	8141A		1	206210	01/31/14 23:34	AJR	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		1	205585	01/23/14 16:48	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8081B		1	205926	01/24/14 20:04	VC1	TAL PEN
Soluble	Leach	DI Leach			205034	01/20/14 09:18	TAJ	TAL PEN
Soluble	Analysis	9056		5	205504	01/21/14 22:31	TAJ	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 10:18	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:45	JAP	TAL PEN
Total/NA	Prep	3050B			205202	01/22/14 10:30	DN1	TAL PEN
Total/NA	Analysis	6010C		1	206287	01/31/14 18:52	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	205306	01/21/14 17:00	LEC	TAL PEN

Client Sample ID: 03-SS-03

Date Collected: 01/16/14 14:10

Date Received: 01/18/14 09:28

Lab Sample ID: 400-85591-3

Matrix: Solid

Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	205698	01/31/14 01:39	AJR	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003183

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-03

Lab Sample ID: 400-85591-3

Date Collected: 01/16/14 14:10

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8141A		1	206210	02/01/14 00:07	AJR	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		1	205585	01/23/14 17:14	VC1	TAL PEN
Total/NA	Analysis	8081B		1	205926	01/24/14 20:35	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8081B		5	205994	01/28/14 13:21	VC1	TAL PEN
Soluble	Leach	DI Leach			205034	01/20/14 09:18	TAJ	TAL PEN
Soluble	Analysis	9056		5	205504	01/21/14 22:54	TAJ	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 10:18	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:46	JAP	TAL PEN
Total/NA	Prep	3050B			205202	01/22/14 10:30	DN1	TAL PEN
Total/NA	Analysis	6010C		1	206287	01/31/14 18:56	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	205306	01/21/14 17:00	LEC	TAL PEN

Client Sample ID: 03-SS-04

Lab Sample ID: 400-85591-4

Date Collected: 01/16/14 14:40

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 75.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	205698	01/31/14 02:12	AJR	TAL PEN
Total/NA	Analysis	8141A		1	206210	02/01/14 00:40	AJR	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8151A		1	205585	01/23/14 17:39	VC1	TAL PEN
Total/NA	Analysis	8081B		5	205926	01/24/14 21:07	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Soluble	Leach	DI Leach			205034	01/20/14 09:18	TAJ	TAL PEN
Soluble	Analysis	9056		5	205504	01/22/14 00:25	TAJ	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 10:18	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:48	JAP	TAL PEN
Total/NA	Prep	3050B			205202	01/22/14 10:30	DN1	TAL PEN
Total/NA	Analysis	6010C		1	206287	01/31/14 18:59	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	205306	01/21/14 17:00	LEC	TAL PEN

Client Sample ID: 03-SS-05

Lab Sample ID: 400-85591-5

Date Collected: 01/16/14 15:10

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8141A		1	205698	01/31/14 02:46	AJR	TAL PEN
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	206210	02/01/14 01:13	AJR	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003184

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 03-SS-05

Lab Sample ID: 400-85591-5

Date Collected: 01/16/14 15:10

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8151A		1	205585	01/23/14 18:05	VC1	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Analysis	8081B		1	205926	01/24/14 21:39	VC1	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8081B		10	205994	01/28/14 14:25	VC1	TAL PEN
Soluble	Leach	DI Leach			205034	01/20/14 09:18	TAJ	TAL PEN
Soluble	Analysis	9056		5	205504	01/22/14 00:48	TAJ	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 10:18	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:49	JAP	TAL PEN
Total/NA	Prep	3050B			205202	01/22/14 10:30	DN1	TAL PEN
Total/NA	Analysis	6010C		1	206287	01/31/14 19:03	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	205306	01/21/14 17:00	LEC	TAL PEN

Client Sample ID: 03-SS-06

Lab Sample ID: 400-85591-6

Date Collected: 01/16/14 15:25

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			205180	01/21/14 11:27	RDT	TAL PEN
Total/NA	Analysis	8141A		1	205698	01/31/14 03:19	AJR	TAL PEN
Total/NA	Analysis	8141A		1	206210	02/01/14 01:47	AJR	TAL PEN
Total/NA	Analysis	8151A		1	205583	01/23/14 12:31	VC1	TAL PEN
Total/NA	Prep	8151A			205142	01/21/14 08:33	RDT	TAL PEN
Total/NA	Prep	3550C			205185	01/21/14 11:39	RDT	TAL PEN
Total/NA	Analysis	8081B		1	205926	01/24/14 22:10	VC1	TAL PEN
Soluble	Leach	DI Leach			205034	01/20/14 09:18	TAJ	TAL PEN
Soluble	Analysis	9056		1	205504	01/22/14 01:11	TAJ	TAL PEN
Total/NA	Prep	7471B			205147	01/21/14 10:18	JAP	TAL PEN
Total/NA	Analysis	7471B		1	205374	01/22/14 12:35	JAP	TAL PEN
Total/NA	Prep	3050B			205202	01/22/14 10:30	DN1	TAL PEN
Total/NA	Analysis	6010C		1	206287	01/31/14 19:06	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	205306	01/21/14 17:00	LEC	TAL PEN

Client Sample ID: 02-SU-01

Lab Sample ID: 400-85591-7

Date Collected: 01/13/14 11:40

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			205479	01/21/14 14:50	ARM	TAL PEN
Total/NA	Analysis	8260B		1	205429	01/23/14 14:49	ARM	TAL PEN
Total/NA	Prep	3550C			205462	01/23/14 09:32	RDT	TAL PEN
Total/NA	Analysis	8270D		5	205771	01/27/14 21:28	KJA	TAL PEN

TestAmerica Pensacola

Lab Chronicle

AR-003185

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Client Sample ID: 02-SU-01

Lab Sample ID: 400-85591-7

Date Collected: 01/13/14 11:40

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			205202	01/22/14 10:30	DN1	TAL PEN
Total/NA	Analysis	6010C		1	206287	01/31/14 19:09	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	205306	01/21/14 17:00	LEC	TAL PEN

Client Sample ID: 02-SU-02

Lab Sample ID: 400-85591-8

Date Collected: 01/15/14 11:15

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			205479	01/21/14 14:50	ARM	TAL PEN
Total/NA	Analysis	8260B		1	205429	01/23/14 15:12	ARM	TAL PEN
Total/NA	Prep	3550C			205462	01/23/14 09:32	RDT	TAL PEN
Total/NA	Analysis	8270D		3	205771	01/27/14 22:06	KJA	TAL PEN
Total/NA	Prep	3050B			205202	01/22/14 10:30	DN1	TAL PEN
Total/NA	Analysis	6010C		1	206287	01/31/14 19:13	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	205306	01/21/14 17:00	LEC	TAL PEN

Client Sample ID: 02-SU-03

Lab Sample ID: 400-85591-9

Date Collected: 01/15/14 11:15

Matrix: Solid

Date Received: 01/18/14 09:28

Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			205479	01/21/14 14:50	ARM	TAL PEN
Total/NA	Analysis	8260B		1	205429	01/23/14 15:35	ARM	TAL PEN
Total/NA	Analysis	8270D		3	205771	01/27/14 22:44	KJA	TAL PEN
Total/NA	Prep	3550C			205462	01/23/14 09:32	RDT	TAL PEN
Total/NA	Analysis	8270D		3	205944	01/30/14 15:25	AJR	TAL PEN
Total/NA	Prep	3050B			205202	01/22/14 10:30	DN1	TAL PEN
Total/NA	Analysis	6010C		1	206287	01/31/14 19:16	SLM	TAL PEN
Total/NA	Analysis	Moisture		1	205306	01/21/14 17:00	LEC	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TestAmerica Pensacola

QC Association Summary

AR-003186

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

GC/MS VOA

Analysis Batch: 205429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85566-A-1-H MS	Matrix Spike	Total/NA	Solid	8260B	205479
400-85566-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	205479
400-85591-7	02-SU-01	Total/NA	Solid	8260B	205479
400-85591-8	02-SU-02	Total/NA	Solid	8260B	205479
400-85591-9	02-SU-03	Total/NA	Solid	8260B	205479
LCS 400-205479/2-A	Lab Control Sample	Total/NA	Solid	8260B	205479
MB 400-205479/1-A	Method Blank	Total/NA	Solid	8260B	205479

Prep Batch: 205479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85566-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
400-85566-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
400-85591-7	02-SU-01	Total/NA	Solid	5035	
400-85591-8	02-SU-02	Total/NA	Solid	5035	
400-85591-9	02-SU-03	Total/NA	Solid	5035	
LCS 400-205479/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 400-205479/1-A	Method Blank	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 205180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Total/NA	Solid	3550B	
400-85591-2	03-SS-02	Total/NA	Solid	3550B	
400-85591-3	03-SS-03	Total/NA	Solid	3550B	
400-85591-4	03-SS-04	Total/NA	Solid	3550B	
400-85591-5	03-SS-05	Total/NA	Solid	3550B	
400-85591-6	03-SS-06	Total/NA	Solid	3550B	
400-85591-6 MS	03-SS-06	Total/NA	Solid	3550B	
400-85591-6 MSD	03-SS-06	Total/NA	Solid	3550B	
LCS 400-205180/13-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 400-205180/14-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 205462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-7	02-SU-01	Total/NA	Solid	3550C	
400-85591-8	02-SU-02	Total/NA	Solid	3550C	
400-85591-9	02-SU-03	Total/NA	Solid	3550C	
400-85630-A-1-L MS	Matrix Spike	Total/NA	Solid	3550B	
400-85630-A-1-M MSD	Matrix Spike Duplicate	Total/NA	Solid	3550B	
LCS 400-205462/11-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 400-205462/12-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 205507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85630-A-1-L MS	Matrix Spike	Total/NA	Solid	8270D	205462
400-85630-A-1-M MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	205462
LCS 400-205462/11-A	Lab Control Sample	Total/NA	Solid	8270D	205462
MB 400-205462/12-A	Method Blank	Total/NA	Solid	8270D	205462

TestAmerica Pensacola

QC Association Summary

AR-003187

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

GC/MS Semi VOA (Continued)

Analysis Batch: 205698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Total/NA	Solid	8141A	205180
400-85591-2	03-SS-02	Total/NA	Solid	8141A	205180
400-85591-3	03-SS-03	Total/NA	Solid	8141A	205180
400-85591-4	03-SS-04	Total/NA	Solid	8141A	205180
400-85591-5	03-SS-05	Total/NA	Solid	8141A	205180
400-85591-6	03-SS-06	Total/NA	Solid	8141A	205180
400-85591-6 MS	03-SS-06	Total/NA	Solid	8141A	205180
400-85591-6 MSD	03-SS-06	Total/NA	Solid	8141A	205180
LCS 400-205180/13-A	Lab Control Sample	Total/NA	Solid	8141A	205180
MB 400-205180/14-A	Method Blank	Total/NA	Solid	8141A	205180

Analysis Batch: 205771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-7	02-SU-01	Total/NA	Solid	8270D	205462
400-85591-8	02-SU-02	Total/NA	Solid	8270D	205462
400-85591-9	02-SU-03	Total/NA	Solid	8270D	205462

Analysis Batch: 205944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-9	02-SU-03	Total/NA	Solid	8270D	205462

Analysis Batch: 206210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Total/NA	Solid	8141A	205180
400-85591-2	03-SS-02	Total/NA	Solid	8141A	205180
400-85591-3	03-SS-03	Total/NA	Solid	8141A	205180
400-85591-4	03-SS-04	Total/NA	Solid	8141A	205180
400-85591-5	03-SS-05	Total/NA	Solid	8141A	205180
400-85591-6	03-SS-06	Total/NA	Solid	8141A	205180
MB 400-205180/14-A	Method Blank	Total/NA	Solid	8141A	205180

GC Semi VOA

Prep Batch: 205142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Total/NA	Solid	8151A	
400-85591-2	03-SS-02	Total/NA	Solid	8151A	
400-85591-3	03-SS-03	Total/NA	Solid	8151A	
400-85591-4	03-SS-04	Total/NA	Solid	8151A	
400-85591-5	03-SS-05	Total/NA	Solid	8151A	
400-85591-6	03-SS-06	Total/NA	Solid	8151A	
400-85591-6 MS	03-SS-06	Total/NA	Solid	8151A	
400-85591-6 MSD	03-SS-06	Total/NA	Solid	8151A	
LCS 400-205142/17-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 400-205142/18-A	Method Blank	Total/NA	Solid	8151A	

Prep Batch: 205185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-A-5-L MS	Matrix Spike	Total/NA	Solid	3550C	
400-85526-A-5-M MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

TestAmerica Pensacola

QC Association Summary

AR-003188

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

GC Semi VOA (Continued)

Prep Batch: 205185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Total/NA	Solid	3550C	
400-85591-2	03-SS-02	Total/NA	Solid	3550C	
400-85591-3	03-SS-03	Total/NA	Solid	3550C	
400-85591-4	03-SS-04	Total/NA	Solid	3550C	
400-85591-5	03-SS-05	Total/NA	Solid	3550C	
400-85591-6	03-SS-06	Total/NA	Solid	3550C	
LCS 400-205185/23-B	Lab Control Sample	Total/NA	Solid	3550B	
MB 400-205185/25-B	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 205583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Total/NA	Solid	8151A	205142
400-85591-6	03-SS-06	Total/NA	Solid	8151A	205142
400-85591-6 MS	03-SS-06	Total/NA	Solid	8151A	205142
400-85591-6 MSD	03-SS-06	Total/NA	Solid	8151A	205142
LCS 400-205142/17-A	Lab Control Sample	Total/NA	Solid	8151A	205142
MB 400-205142/18-A	Method Blank	Total/NA	Solid	8151A	205142

Analysis Batch: 205585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-2	03-SS-02	Total/NA	Solid	8151A	205142
400-85591-3	03-SS-03	Total/NA	Solid	8151A	205142
400-85591-4	03-SS-04	Total/NA	Solid	8151A	205142
400-85591-5	03-SS-05	Total/NA	Solid	8151A	205142

Analysis Batch: 205926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85526-A-5-L MS	Matrix Spike	Total/NA	Solid	8081B	205185
400-85526-A-5-M MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	205185
400-85591-1	03-SS-01	Total/NA	Solid	8081B	205185
400-85591-2	03-SS-02	Total/NA	Solid	8081B	205185
400-85591-3	03-SS-03	Total/NA	Solid	8081B	205185
400-85591-4	03-SS-04	Total/NA	Solid	8081B	205185
400-85591-5	03-SS-05	Total/NA	Solid	8081B	205185
400-85591-6	03-SS-06	Total/NA	Solid	8081B	205185
LCS 400-205185/23-B	Lab Control Sample	Total/NA	Solid	8081B	205185
MB 400-205185/25-B	Method Blank	Total/NA	Solid	8081B	205185

Analysis Batch: 205994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-3	03-SS-03	Total/NA	Solid	8081B	205185
400-85591-5	03-SS-05	Total/NA	Solid	8081B	205185

HPLC/IC

Leach Batch: 205034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Soluble	Solid	DI Leach	
400-85591-1 MS	03-SS-01	Soluble	Solid	DI Leach	
400-85591-1 MSD	03-SS-01	Soluble	Solid	DI Leach	

TestAmerica Pensacola

QC Association Summary

AR-003189

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

HPLC/IC (Continued)

Leach Batch: 205034 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-2	03-SS-02	Soluble	Solid	DI Leach	
400-85591-3	03-SS-03	Soluble	Solid	DI Leach	
400-85591-4	03-SS-04	Soluble	Solid	DI Leach	
400-85591-5	03-SS-05	Soluble	Solid	DI Leach	
400-85591-6	03-SS-06	Soluble	Solid	DI Leach	
MB 400-205034/1-A	Method Blank	Soluble	Solid	DI Leach	

Analysis Batch: 205504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Soluble	Solid	9056	205034
400-85591-1 MS	03-SS-01	Soluble	Solid	9056	205034
400-85591-1 MSD	03-SS-01	Soluble	Solid	9056	205034
400-85591-2	03-SS-02	Soluble	Solid	9056	205034
400-85591-3	03-SS-03	Soluble	Solid	9056	205034
400-85591-4	03-SS-04	Soluble	Solid	9056	205034
400-85591-5	03-SS-05	Soluble	Solid	9056	205034
400-85591-6	03-SS-06	Soluble	Solid	9056	205034
MB 400-205034/1-A	Method Blank	Soluble	Solid	9056	205034

Metals

Prep Batch: 205147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-A-1-E MS	Matrix Spike	Total/NA	Solid	7471B	
400-85522-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
400-85591-1	03-SS-01	Total/NA	Solid	7471B	
400-85591-2	03-SS-02	Total/NA	Solid	7471B	
400-85591-3	03-SS-03	Total/NA	Solid	7471B	
400-85591-4	03-SS-04	Total/NA	Solid	7471B	
400-85591-5	03-SS-05	Total/NA	Solid	7471B	
400-85591-6	03-SS-06	Total/NA	Solid	7471B	
LCS 400-205147/15-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 400-205147/14-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 205202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Total/NA	Solid	3050B	
400-85591-1 MS	03-SS-01	Total/NA	Solid	3050B	
400-85591-1 MSD	03-SS-01	Total/NA	Solid	3050B	
400-85591-2	03-SS-02	Total/NA	Solid	3050B	
400-85591-3	03-SS-03	Total/NA	Solid	3050B	
400-85591-4	03-SS-04	Total/NA	Solid	3050B	
400-85591-5	03-SS-05	Total/NA	Solid	3050B	
400-85591-6	03-SS-06	Total/NA	Solid	3050B	
400-85591-7	02-SU-01	Total/NA	Solid	3050B	
400-85591-8	02-SU-02	Total/NA	Solid	3050B	
400-85591-9	02-SU-03	Total/NA	Solid	3050B	
LCS 400-205202/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 400-205202/1-A	Method Blank	Total/NA	Solid	3050B	

TestAmerica Pensacola

QC Association Summary

AR-003190

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Metals (Continued)

Analysis Batch: 205374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85522-A-1-E MS	Matrix Spike	Total/NA	Solid	7471B	205147
400-85522-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	205147
400-85591-1	03-SS-01	Total/NA	Solid	7471B	205147
400-85591-2	03-SS-02	Total/NA	Solid	7471B	205147
400-85591-3	03-SS-03	Total/NA	Solid	7471B	205147
400-85591-4	03-SS-04	Total/NA	Solid	7471B	205147
400-85591-5	03-SS-05	Total/NA	Solid	7471B	205147
400-85591-6	03-SS-06	Total/NA	Solid	7471B	205147
LCS 400-205147/15-A	Lab Control Sample	Total/NA	Solid	7471B	205147
MB 400-205147/14-A	Method Blank	Total/NA	Solid	7471B	205147

Analysis Batch: 206287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Total/NA	Solid	6010C	205202
400-85591-1 MS	03-SS-01	Total/NA	Solid	6010C	205202
400-85591-1 MSD	03-SS-01	Total/NA	Solid	6010C	205202
400-85591-2	03-SS-02	Total/NA	Solid	6010C	205202
400-85591-3	03-SS-03	Total/NA	Solid	6010C	205202
400-85591-4	03-SS-04	Total/NA	Solid	6010C	205202
400-85591-5	03-SS-05	Total/NA	Solid	6010C	205202
400-85591-6	03-SS-06	Total/NA	Solid	6010C	205202
400-85591-7	02-SU-01	Total/NA	Solid	6010C	205202
400-85591-8	02-SU-02	Total/NA	Solid	6010C	205202
400-85591-9	02-SU-03	Total/NA	Solid	6010C	205202
LCS 400-205202/2-A	Lab Control Sample	Total/NA	Solid	6010C	205202
MB 400-205202/1-A	Method Blank	Total/NA	Solid	6010C	205202

General Chemistry

Analysis Batch: 205306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-85591-1	03-SS-01	Total/NA	Solid	Moisture	
400-85591-2	03-SS-02	Total/NA	Solid	Moisture	
400-85591-2 DU	03-SS-02	Total/NA	Solid	Moisture	
400-85591-3	03-SS-03	Total/NA	Solid	Moisture	
400-85591-4	03-SS-04	Total/NA	Solid	Moisture	
400-85591-5	03-SS-05	Total/NA	Solid	Moisture	
400-85591-6	03-SS-06	Total/NA	Solid	Moisture	
400-85591-7	02-SU-01	Total/NA	Solid	Moisture	
400-85591-8	02-SU-02	Total/NA	Solid	Moisture	
400-85591-9	02-SU-03	Total/NA	Solid	Moisture	

TestAmerica Pensacola

QC Sample Results

AR-003191

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-205479/1-A

Matrix: Solid

Analysis Batch: 205429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00049	U	0.0050	0.00049	mg/Kg		01/21/14 14:50	01/23/14 09:38	1
Toluene	0.00070	U	0.0050	0.00070	mg/Kg		01/21/14 14:50	01/23/14 09:38	1
Ethylbenzene	0.00061	U	0.0050	0.00061	mg/Kg		01/21/14 14:50	01/23/14 09:38	1
Xylenes, Total	0.0019	U	0.010	0.0019	mg/Kg		01/21/14 14:50	01/23/14 09:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 122	01/21/14 14:50	01/23/14 09:38	1
Dibromofluoromethane	95		79 - 123	01/21/14 14:50	01/23/14 09:38	1
Toluene-d8 (Surr)	107		80 - 120	01/21/14 14:50	01/23/14 09:38	1

Lab Sample ID: LCS 400-205479/2-A

Matrix: Solid

Analysis Batch: 205429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.0500	0.0397		mg/Kg		79	74 - 119
Toluene	0.0500	0.0490		mg/Kg		98	76 - 120
Ethylbenzene	0.0500	0.0489		mg/Kg		98	78 - 120
Xylenes, Total	0.100	0.0974		mg/Kg		97	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	97		72 - 122
Dibromofluoromethane	99		79 - 123
Toluene-d8 (Surr)	111		80 - 120

Lab Sample ID: 400-85566-A-1-H MS

Matrix: Solid

Analysis Batch: 205429

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205479

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Benzene	0.00075	U	0.0773	0.0624		mg/Kg	☼	81	42 - 120
Toluene	0.0011	U	0.0773	0.0753		mg/Kg	☼	97	34 - 119
Ethylbenzene	0.00093	U	0.0773	0.0759		mg/Kg	☼	98	19 - 124
Xylenes, Total	0.0029	U	0.155	0.152		mg/Kg	☼	98	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	96		72 - 122
Dibromofluoromethane	104		79 - 123
Toluene-d8 (Surr)	107		80 - 120

Lab Sample ID: 400-85566-A-1-I MSD

Matrix: Solid

Analysis Batch: 205429

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205479

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.00075	U	0.0774	0.0284	J3	mg/Kg	☼	37	42 - 120	75	20
Toluene	0.0011	U	0.0774	0.0358	J3	mg/Kg	☼	46	34 - 119	71	36

TestAmerica Pensacola

QC Sample Results

AR-003192

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-85566-A-1-I MSD

Matrix: Solid

Analysis Batch: 205429

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205479

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	0.00093	U	0.0774	0.0353	J3	mg/Kg	✱	46	19 - 124	73	53
Xylenes, Total	0.0029	U	0.155	0.0708	J3	mg/Kg	✱	46	10 - 150	73	56
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	100		72 - 122								
Dibromofluoromethane	98		79 - 123								
Toluene-d8 (Surr)	107		80 - 120								

Method: 8141A - Organophosphorous Pesticides (GC/MS)

Lab Sample ID: MB 400-205180/14-A

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205180

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bolstar	0.0066	U	0.033	0.0066	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Chlorpyrifos	0.0075	U	0.033	0.0075	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Diazinon	0.015	U	0.066	0.015	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Dichlorvos	0.0069	U	0.066	0.0069	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Disulfoton	0.0062	U	0.066	0.0062	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Ethoprop	0.011	U	0.033	0.011	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Fensulfothion	0.011	U	0.33	0.011	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Fenthion	0.0076	U	0.033	0.0076	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Methyl parathion	0.0076	U	0.033	0.0076	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Mevinphos	0.013	U	0.066	0.013	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Phorate	0.010	U	0.033	0.010	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Ronnel	0.0074	U	0.033	0.0074	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Stirophos	0.018	U	0.033	0.018	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Terbutryn	0.0083	U	0.033	0.0083	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Tokuthion	0.021	U	0.033	0.021	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Dimethoate	0.0082	U	0.066	0.0082	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
EPN	0.0081	U	0.066	0.0081	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Ethyl Parathion	0.0084	U	0.033	0.0084	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Malathion	0.0064	U	0.033	0.0064	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Sulfotepp	0.0066	U	0.033	0.0066	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Thionazin	0.0092	U	0.033	0.0092	mg/Kg		01/21/14 11:27	01/30/14 19:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	83		30 - 164				01/21/14 11:27	01/30/14 19:35	

Lab Sample ID: MB 400-205180/14-A

Matrix: Solid

Analysis Batch: 206210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coumaphos	0.013	U	0.33	0.013	mg/Kg		01/21/14 11:27	01/31/14 19:42	1
Famphur	0.0085	U	0.066	0.0085	mg/Kg		01/21/14 11:27	01/31/14 19:42	1

TestAmerica Pensacola

QC Sample Results

AR-003193

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Method: 8141A - Organophosphorous Pesticides (GC/MS) (Continued)

Lab Sample ID: MB 400-205180/14-A

Matrix: Solid

Analysis Batch: 206210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205180

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	88		30 - 164	01/21/14 11:27	01/31/14 19:42	1

Lab Sample ID: LCS 400-205180/13-A

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bolstar	0.166	0.142		mg/Kg		85	40 - 156
Chlorpyrifos	0.166	0.154		mg/Kg		93	22 - 130
Coumaphos	0.166	0.112	I	mg/Kg		67	51 - 147
Diazinon	0.166	0.137		mg/Kg		83	41 - 130
Dichlorvos	0.166	0.193		mg/Kg		116	10 - 130
Disulfoton	0.166	0.131		mg/Kg		79	10 - 134
Ethoprop	0.166	0.156		mg/Kg		94	30 - 130
Fensulfothion	0.166	0.119	I	mg/Kg		72	43 - 145
Fenthion	0.166	0.152		mg/Kg		91	10 - 130
Methyl parathion	0.166	0.123		mg/Kg		74	36 - 149
Mevinphos	0.166	0.134		mg/Kg		81	30 - 130
Phorate	0.166	0.140		mg/Kg		84	36 - 130
Ronnel	0.166	0.147		mg/Kg		88	30 - 130
Stirophos	0.166	0.124		mg/Kg		75	36 - 130
Terbutryn	0.166	0.170		mg/Kg		102	30 - 130
Tokuthion	0.166	0.152		mg/Kg		92	14 - 130
Dimethoate	0.166	0.156		mg/Kg		94	38 - 130
EPN	0.166	0.151		mg/Kg		91	48 - 124
Ethyl Parathion	0.166	0.185		mg/Kg		111	24 - 151
Malathion	0.166	0.180		mg/Kg		108	10 - 141
Sulfotepp	0.166	0.152		mg/Kg		92	13 - 171
Famphur	0.166	0.133		mg/Kg		80	10 - 130
Thionazin	0.167	0.175		mg/Kg		105	10 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	105		30 - 164

Lab Sample ID: 400-85591-6 MS

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: 03-SS-06

Prep Type: Total/NA

Prep Batch: 205180

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bolstar	0.0074		0.187	0.146		mg/Kg	☼	78	40 - 156
Chlorpyrifos	0.0085		0.187	0.129		mg/Kg	☼	69	22 - 130
Coumaphos	0.015	U	0.187	0.146	I	mg/Kg	☼	78	51 - 147
Diazinon	0.017		0.187	0.150		mg/Kg	☼	80	41 - 130
Dichlorvos	0.0078		0.187	0.213		mg/Kg	☼	114	10 - 130
Disulfoton	0.0070		0.187	0.113		mg/Kg	☼	61	10 - 134
Ethoprop	0.012		0.187	0.178		mg/Kg	☼	95	30 - 130
Fensulfothion	0.012		0.187	0.126	I	mg/Kg	☼	68	43 - 145
Fenthion	0.0086		0.187	0.253	J3	mg/Kg	☼	135	10 - 128

TestAmerica Pensacola

QC Sample Results

AR-003194

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Method: 8141A - Organophosphorous Pesticides (GC/MS) (Continued)

Lab Sample ID: 400-85591-6 MS

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: 03-SS-06

Prep Type: Total/NA

Prep Batch: 205180

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl parathion	0.0086		0.187	0.153		mg/Kg	☼	82	36 - 149
Mevinphos	0.015		0.187	0.151		mg/Kg	☼	81	30 - 130
Phorate	0.011		0.187	0.153		mg/Kg	☼	82	36 - 130
Ronnel	0.0083		0.187	0.188		mg/Kg	☼	100	30 - 130
Stirophos	0.020		0.187	0.267	J3	mg/Kg	☼	143	36 - 126
Terbutryn	0.0094		0.187	0.0093	U J3	mg/Kg	☼	0	30 - 130
Tokuthion	0.024		0.187	0.352	J3	mg/Kg	☼	188	14 - 130
Dimethoate	0.0092		0.187	0.194		mg/Kg	☼	104	38 - 130
EPN	0.0091		0.187	0.142		mg/Kg	☼	76	48 - 124
Ethyl Parathion	0.0095		0.187	0.257		mg/Kg	☼	137	24 - 151
Malathion	0.14		0.187	0.204		mg/Kg	☼	34	10 - 141
Sulfotepp	0.0074		0.187	0.127		mg/Kg	☼	68	13 - 171
Famphur	0.0096	U	0.187	0.109		mg/Kg	☼	58	10 - 130
Thionazin	0.010		0.188	0.181		mg/Kg	☼	96	10 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
Triphenylphosphate	128		30 - 164

Lab Sample ID: 400-85591-6 MSD

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: 03-SS-06

Prep Type: Total/NA

Prep Batch: 205180

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bolstar	0.0074		0.187	0.138		mg/Kg	☼	74	40 - 156	5	40
Chlorpyrifos	0.0085		0.187	0.0084	U J3	mg/Kg	☼	0	22 - 130	NC	40
Coumaphos	0.015	U	0.187	0.130	I	mg/Kg	☼	69	51 - 147	12	40
Diazinon	0.017		0.187	0.136		mg/Kg	☼	73	41 - 130	9	30
Dichlorvos	0.0078		0.187	0.196		mg/Kg	☼	105	10 - 130	8	40
Disulfoton	0.0070		0.187	0.112		mg/Kg	☼	60	10 - 134	1	93
Ethoprop	0.012		0.187	0.152		mg/Kg	☼	81	30 - 130	16	40
Fensulfthion	0.012		0.187	0.147	I	mg/Kg	☼	79	43 - 145	15	40
Fenthion	0.0086		0.187	0.277	J3	mg/Kg	☼	148	10 - 128	9	60
Methyl parathion	0.0086		0.187	0.267	J3	mg/Kg	☼	143	36 - 149	54	40
Mevinphos	0.015		0.187	0.127		mg/Kg	☼	68	30 - 130	17	40
Phorate	0.011		0.187	0.129		mg/Kg	☼	69	36 - 130	17	40
Ronnel	0.0083		0.187	0.205		mg/Kg	☼	110	30 - 130	9	40
Stirophos	0.020		0.187	0.107	J3	mg/Kg	☼	57	36 - 126	86	40
Terbutryn	0.0094		0.187	0.0093	U J3	mg/Kg	☼	0	30 - 130	NC	40
Tokuthion	0.024		0.187	0.429	J3	mg/Kg	☼	229	14 - 130	20	40
Dimethoate	0.0092		0.187	0.170		mg/Kg	☼	91	38 - 130	13	40
EPN	0.0091		0.187	0.139		mg/Kg	☼	74	48 - 124	3	30
Ethyl Parathion	0.0095		0.187	0.226		mg/Kg	☼	121	24 - 151	13	79
Malathion	0.14		0.187	0.270		mg/Kg	☼	70	10 - 141	28	40
Sulfotepp	0.0074		0.187	0.115		mg/Kg	☼	62	13 - 171	10	65
Famphur	0.0096	U	0.187	0.110		mg/Kg	☼	59	10 - 130	1	60
Thionazin	0.010		0.188	0.155		mg/Kg	☼	82	10 - 130	16	60

TestAmerica Pensacola

QC Sample Results

AR-003195

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Method: 8141A - Organophosphorous Pesticides (GC/MS) (Continued)

Lab Sample ID: 400-85591-6 MSD

Matrix: Solid

Analysis Batch: 205698

Client Sample ID: 03-SS-06

Prep Type: Total/NA

Prep Batch: 205180

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Triphenylphosphate	118		30 - 164

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-205462/12-A

Matrix: Solid

Analysis Batch: 205507

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Acenaphthylene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Benzo[a]anthracene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Benzo[a]pyrene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Benzo[b]fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Benzo[g,h,i]perylene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Benzo[k]fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Chrysene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Dibenz(a,h)anthracene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Fluoranthene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Fluorene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Indeno[1,2,3-cd]pyrene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Naphthalene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Phenanthrene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
Pyrene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
1-Methylnaphthalene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1
2-Methylnaphthalene	0.010	U	0.33	0.010	mg/Kg		01/23/14 09:32	01/24/14 18:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	92		44 - 108	01/23/14 09:32	01/24/14 18:40	1
Nitrobenzene-d5 (Surr)	84		27 - 114	01/23/14 09:32	01/24/14 18:40	1
Terphenyl-d14 (Surr)	96		36 - 134	01/23/14 09:32	01/24/14 18:40	1

Lab Sample ID: LCS 400-205462/11-A

Matrix: Solid

Analysis Batch: 205507

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205462

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.37		mg/Kg		82	62 - 120
Acenaphthylene	1.67	1.29		mg/Kg		78	61 - 120
Anthracene	1.67	1.51		mg/Kg		91	68 - 120
Benzo[a]anthracene	1.67	1.54		mg/Kg		92	67 - 120
Benzo[a]pyrene	1.67	1.55		mg/Kg		93	64 - 120
Benzo[b]fluoranthene	1.67	1.58		mg/Kg		95	58 - 121
Benzo[g,h,i]perylene	1.67	1.20		mg/Kg		72	49 - 151
Benzo[k]fluoranthene	1.67	1.50		mg/Kg		90	61 - 123
Chrysene	1.67	1.51		mg/Kg		91	65 - 120

TestAmerica Pensacola

QC Sample Results

AR-003196

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-205462/11-A

Matrix: Solid

Analysis Batch: 205507

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205462

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	1.67	1.45		mg/Kg		87	58 - 130
Fluoranthene	1.67	1.55		mg/Kg		93	67 - 123
Fluorene	1.67	1.45		mg/Kg		87	64 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.35		mg/Kg		81	55 - 133
Naphthalene	1.67	2.35	J3	mg/Kg		141	59 - 120
Phenanthrene	1.67	1.52		mg/Kg		91	62 - 130
Pyrene	1.67	1.28		mg/Kg		77	57 - 127
1-Methylnaphthalene	1.67	1.46		mg/Kg		88	66 - 120
2-Methylnaphthalene	1.67	1.49		mg/Kg		89	64 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	78		44 - 108
Nitrobenzene-d5 (Surr)	76		27 - 114
Terphenyl-d14 (Surr)	79		36 - 134

Lab Sample ID: 400-85630-A-1-L MS

Matrix: Solid

Analysis Batch: 205507

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205462

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	11		19.8	29.4	I	mg/Kg		95	10 - 150
Acenaphthylene	11		19.8	26.7	I	mg/Kg		81	10 - 150
Anthracene	4.4		19.8	21.2	I	mg/Kg		85	10 - 150
Benzo[a]anthracene	3.3		19.8	20.2	I	mg/Kg		85	10 - 150
Benzo[a]pyrene	2.4		19.8	19.6	I	mg/Kg		87	10 - 150
Benzo[b]fluoranthene	1.2		19.8	20.7	I	mg/Kg		104	10 - 150
Benzo[g,h,i]perylene	1.5		19.8	9.21	I	mg/Kg		39	10 - 150
Benzo[k]fluoranthene	1.2		19.8	17.8	I	mg/Kg		90	10 - 150
Chrysene	2.5		19.8	20.2	I	mg/Kg		90	10 - 150
Dibenz(a,h)anthracene	1.2		19.8	10.5	I	mg/Kg		53	32 - 111
Fluoranthene	6.6		19.8	26.0	I	mg/Kg		98	10 - 150
Fluorene	29		19.8	54.8		mg/Kg		132	10 - 150
Indeno[1,2,3-cd]pyrene	1.4		19.8	10.4	I	mg/Kg		45	10 - 150
Naphthalene	410		19.8	536	L J3	mg/Kg		643	10 - 150
Phenanthrene	30		19.8	53.0		mg/Kg		115	10 - 150
Pyrene	12		19.8	29.9	I	mg/Kg		89	10 - 150
1-Methylnaphthalene	450		19.8	637	L J3	mg/Kg		952	10 - 150
2-Methylnaphthalene	860		19.8	1170	L J3	mg/Kg		1564	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	74		44 - 108
Nitrobenzene-d5 (Surr)	73		27 - 114
Terphenyl-d14 (Surr)	80		36 - 134

TestAmerica Pensacola

QC Sample Results

AR-003197

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-85630-A-1-M MSD

Matrix: Solid

Analysis Batch: 205507

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205462

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	11		19.5	22.1	I	mg/Kg		60	10 - 150	28	36
Acenaphthylene	11		19.5	20.8	I	mg/Kg		52	10 - 150	25	29
Anthracene	4.4		19.5	18.8	I	mg/Kg		74	10 - 150	12	30
Benzo[a]anthracene	3.3		19.5	17.9	I	mg/Kg		75	10 - 150	12	33
Benzo[a]pyrene	2.4		19.5	17.0	I	mg/Kg		75	10 - 150	14	30
Benzo[b]fluoranthene	1.2		19.5	18.6	I	mg/Kg		96	10 - 150	10	31
Benzo[g,h,i]perylene	1.5		19.5	9.37	I	mg/Kg		40	10 - 150	2	30
Benzo[k]fluoranthene	1.2		19.5	16.4	I	mg/Kg		84	10 - 150	8	29
Chrysene	2.5		19.5	17.8	I	mg/Kg		79	10 - 150	13	33
Dibenz(a,h)anthracene	1.2		19.5	11.0	I	mg/Kg		57	32 - 111	5	30
Fluoranthene	6.6		19.5	20.9	I	mg/Kg		74	10 - 150	22	42
Fluorene	29		19.5	39.7		mg/Kg		57	10 - 150	32	36
Indeno[1,2,3-cd]pyrene	1.4		19.5	10.6	I	mg/Kg		47	10 - 150	2	31
Naphthalene	410		19.5	378	J3	mg/Kg		-159	10 - 150	35	33
Phenanthrene	30		19.5	37.8	I	mg/Kg		39	10 - 150	34	34
Pyrene	12		19.5	23.6	I	mg/Kg		59	10 - 150	23	45
1-Methylnaphthalene	450		19.5	406	L J3	mg/Kg		-219	10 - 150	44	29
2-Methylnaphthalene	860		19.5	747	L J3	mg/Kg		-561	10 - 150	44	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	72		44 - 108
Nitrobenzene-d5 (Surr)	71		27 - 114
Terphenyl-d14 (Surr)	82		36 - 134

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 400-205185/25-B

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
alpha-BHC	0.000041	U	0.00085	0.000041	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
beta-BHC	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
delta-BHC	0.000035	U	0.00085	0.000035	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
gamma-BHC (Lindane)	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
alpha-Chlordane	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
gamma-Chlordane	0.000048	U	0.00085	0.000048	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
4,4'-DDD	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
4,4'-DDE	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
4,4'-DDT	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Dieldrin	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endosulfan I	0.000080	U	0.00085	0.000080	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endosulfan II	0.000041	U	0.00085	0.000041	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endosulfan sulfate	0.00013	U	0.00085	0.00013	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endrin	0.000039	U	0.00085	0.000039	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Endrin aldehyde	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1

TestAmerica Pensacola

QC Sample Results

AR-003198

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

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

Lab Sample ID: MB 400-205185/25-B

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Heptachlor	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Heptachlor epoxide	0.000050	U	0.00085	0.000050	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Methoxychlor	0.00014	U	0.00085	0.00014	mg/Kg		01/21/14 11:39	01/24/14 14:48	1
Toxaphene	0.0085	U	0.050	0.0085	mg/Kg		01/21/14 11:39	01/24/14 14:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	129		47 - 148	01/21/14 11:39	01/24/14 14:48	1
Tetrachloro-m-xylene	128		65 - 134	01/21/14 11:39	01/24/14 14:48	1

Lab Sample ID: LCS 400-205185/23-B

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0166	0.0148		mg/Kg		89	58 - 150
alpha-BHC	0.0166	0.0156		mg/Kg		94	58 - 150
beta-BHC	0.0166	0.0141		mg/Kg		85	57 - 150
delta-BHC	0.0166	0.0155		mg/Kg		93	57 - 150
gamma-BHC (Lindane)	0.0166	0.0152		mg/Kg		92	51 - 150
alpha-Chlordane	0.0166	0.0137		mg/Kg		82	61 - 150
gamma-Chlordane	0.0166	0.0144		mg/Kg		86	60 - 150
4,4'-DDD	0.0166	0.0113		mg/Kg		68	56 - 150
4,4'-DDE	0.0166	0.0150		mg/Kg		90	64 - 150
4,4'-DDT	0.0166	0.0157		mg/Kg		94	52 - 150
Dieldrin	0.0166	0.0151		mg/Kg		90	66 - 150
Endosulfan I	0.0166	0.0121		mg/Kg		73	63 - 150
Endosulfan II	0.0166	0.0131		mg/Kg		79	61 - 150
Endosulfan sulfate	0.0166	0.0153		mg/Kg		92	55 - 150
Endrin	0.0166	0.0137		mg/Kg		82	65 - 150
Endrin aldehyde	0.0166	0.0140		mg/Kg		84	39 - 150
Endrin ketone	0.0166	0.0153		mg/Kg		92	53 - 150
Heptachlor	0.0166	0.0146		mg/Kg		88	58 - 150
Heptachlor epoxide	0.0166	0.0146		mg/Kg		87	64 - 150
Methoxychlor	0.0166	0.0153		mg/Kg		92	46 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	86		47 - 148
Tetrachloro-m-xylene	81		65 - 134

Lab Sample ID: 400-85526-A-5-L MS

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.000055	U	0.0183	0.0203		mg/Kg	☼	111	47 - 135
alpha-BHC	0.000045	U	0.0183	0.0209		mg/Kg	☼	114	61 - 126
beta-BHC	0.000055	U	0.0183	0.0177		mg/Kg	☼	97	53 - 129

TestAmerica Pensacola

QC Sample Results

AR-003199

Client: Barksdale & Associates

TestAmerica Job ID: 400-85591-1

Project/Site: VIIS CANEEL BAY RESORT

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

Lab Sample ID: 400-85526-A-5-L MS

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
delta-BHC	0.000039	U	0.0183	0.0200		mg/Kg	☼	109	59 - 138
gamma-BHC (Lindane)	0.000055	U	0.0183	0.0204		mg/Kg	☼	111	60 - 125
alpha-Chlordane	0.000055	U	0.0183	0.0191		mg/Kg	☼	104	10 - 150
gamma-Chlordane	0.000054	U	0.0183	0.0196		mg/Kg	☼	107	10 - 150
4,4'-DDD	0.000055	U	0.0183	0.0180		mg/Kg	☼	98	10 - 150
4,4'-DDE	0.000055	U *	0.0183	0.0209		mg/Kg	☼	114	49 - 141
4,4'-DDT	0.000055	U	0.0183	0.0224		mg/Kg	☼	122	46 - 150
Dieldrin	0.000055	U	0.0183	0.0203		mg/Kg	☼	111	10 - 150
Endosulfan I	0.000088	U	0.0183	0.0158		mg/Kg	☼	86	10 - 150
Endosulfan II	0.000046	U	0.0183	0.0180		mg/Kg	☼	98	54 - 135
Endosulfan sulfate	0.00014	U	0.0183	0.0121		mg/Kg	☼	66	54 - 144
Endrin	0.000043	U	0.0183	0.0188		mg/Kg	☼	102	55 - 146
Endrin aldehyde	0.000055	U	0.0183	0.00676	J3	mg/Kg	☼	37	50 - 150
Endrin ketone	0.000055	U	0.0183	0.0180		mg/Kg	☼	98	54 - 142
Heptachlor	0.000055	U	0.0183	0.0208		mg/Kg	☼	114	10 - 150
Heptachlor epoxide	0.000055	U	0.0183	0.0198		mg/Kg	☼	108	62 - 134
Methoxychlor	0.00016	U	0.0183	0.0206		mg/Kg	☼	112	50 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	102		47 - 148
Tetrachloro-m-xylene	99		65 - 134

Lab Sample ID: 400-85526-A-5-M MSD

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.000055	U	0.0183	0.0190		mg/Kg	☼	104	47 - 135	7	66
alpha-BHC	0.000045	U	0.0183	0.0198		mg/Kg	☼	108	61 - 126	5	19
beta-BHC	0.000055	U	0.0183	0.0168		mg/Kg	☼	92	53 - 129	5	30
delta-BHC	0.000039	U	0.0183	0.0193		mg/Kg	☼	105	59 - 138	3	31
gamma-BHC (Lindane)	0.000055	U	0.0183	0.0191		mg/Kg	☼	105	60 - 125	7	25
alpha-Chlordane	0.000055	U	0.0183	0.0179		mg/Kg	☼	98	10 - 150	6	42
gamma-Chlordane	0.000054	U	0.0183	0.0185		mg/Kg	☼	101	10 - 150	6	46
4,4'-DDD	0.000055	U	0.0183	0.0173		mg/Kg	☼	94	10 - 150	4	106
4,4'-DDE	0.000055	U *	0.0183	0.0201		mg/Kg	☼	110	49 - 141	4	55
4,4'-DDT	0.000055	U	0.0183	0.0218		mg/Kg	☼	119	46 - 150	3	39
Dieldrin	0.000055	U	0.0183	0.0191		mg/Kg	☼	104	10 - 150	6	38
Endosulfan I	0.000088	U	0.0183	0.0148		mg/Kg	☼	81	10 - 150	7	62
Endosulfan II	0.000046	U	0.0183	0.0171		mg/Kg	☼	93	54 - 135	5	30
Endosulfan sulfate	0.00014	U	0.0183	0.0112		mg/Kg	☼	61	54 - 144	8	29
Endrin	0.000043	U	0.0183	0.0179		mg/Kg	☼	98	55 - 146	5	30
Endrin aldehyde	0.000055	U	0.0183	0.00640	J3	mg/Kg	☼	35	50 - 150	5	38
Endrin ketone	0.000055	U	0.0183	0.0160		mg/Kg	☼	87	54 - 142	12	28
Heptachlor	0.000055	U	0.0183	0.0206		mg/Kg	☼	113	10 - 150	1	33
Heptachlor epoxide	0.000055	U	0.0183	0.0186		mg/Kg	☼	102	62 - 134	7	26
Methoxychlor	0.00016	U	0.0183	0.0199		mg/Kg	☼	109	50 - 150	3	36

TestAmerica Pensacola

QC Sample Results

AR-003200

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

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

Lab Sample ID: 400-85526-A-5-M MSD

Matrix: Solid

Analysis Batch: 205926

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 205185

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	99		47 - 148
Tetrachloro-m-xylene	96		65 - 134

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 400-205142/18-A

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.011	U	0.20	0.011	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
2,4-DB	0.0070	U	0.015	0.0070	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
2,4,5-T	0.0034	U	0.040	0.0034	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Silvex (2,4,5-TP)	0.017	U	0.040	0.017	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dalapon	0.071	U	1.2	0.071	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dicamba	0.0012	U	0.060	0.0012	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dichlorprop	0.0033	U	0.13	0.0033	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
Dinoseb	0.0043	U	0.20	0.0043	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
MCPA	0.87	U	50	0.87	mg/Kg		01/21/14 08:33	01/23/14 10:22	1
MCPP	0.40	U	50	0.40	mg/Kg		01/21/14 08:33	01/23/14 10:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	71		10 - 150	01/21/14 08:33	01/23/14 10:22	1

Lab Sample ID: LCS 400-205142/17-A

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-DB	0.166	0.151		mg/Kg		91	16 - 117
2,4,5-T	0.0166	0.0187	I J3	mg/Kg		112	40 - 105
Silvex (2,4,5-TP)	0.0166	0.017	U	mg/Kg		89	34 - 97
Dalapon	0.416	0.287	I	mg/Kg		69	10 - 115
Dicamba	0.0166	0.0146	I	mg/Kg		88	10 - 141
Dichlorprop	0.166	0.136		mg/Kg		82	28 - 102
Dinoseb	0.0832	0.0469	I	mg/Kg		56	10 - 71
MCPA	16.6	13.1	I	mg/Kg		78	10 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	84		10 - 150

Lab Sample ID: 400-85591-6 MS

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: 03-SS-06

Prep Type: Total/NA

Prep Batch: 205142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-DB	0.0079	U	0.187	0.0922		mg/Kg	☼	49	10 - 88

TestAmerica Pensacola

QC Sample Results

AR-003201

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 400-85591-6 MS

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: 03-SS-06

Prep Type: Total/NA

Prep Batch: 205142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	0.0038	U J3	0.0187	0.0159	I	mg/Kg	✱	85	10 - 107
Silvex (2,4,5-TP)	0.019	U	0.0187	0.019	U	mg/Kg	✱	NC	10 - 111
Dalapon	0.080	U	0.467	0.238	I	mg/Kg	✱	51	10 - 126
Dicamba	0.0014	U	0.0187	0.0132	I	mg/Kg	✱	71	10 - 150
Dichlorprop	0.0037	U	0.187	0.119	I	mg/Kg	✱	63	10 - 81
Dinoseb	0.0048	U	0.0934	0.0603	I J3	mg/Kg	✱	65	10 - 64
MCPA	0.98	U	18.7	11.1	I	mg/Kg	✱	59	10 - 101

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	95		10 - 150

Lab Sample ID: 400-85591-6 MSD

Matrix: Solid

Analysis Batch: 205583

Client Sample ID: 03-SS-06

Prep Type: Total/NA

Prep Batch: 205142

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-DB	0.0079	U	0.188	0.0956		mg/Kg	✱	51	10 - 88	4	109
2,4,5-T	0.0038	U J3	0.0188	0.0176	I	mg/Kg	✱	94	10 - 107	10	121
Silvex (2,4,5-TP)	0.019	U	0.0188	0.019	U	mg/Kg	✱	NC	10 - 111	NC	102
Dalapon	0.080	U	0.471	0.315	I	mg/Kg	✱	67	10 - 126	28	76
Dicamba	0.0014	U	0.0188	0.0166	I	mg/Kg	✱	88	10 - 150	23	159
Dichlorprop	0.0037	U	0.188	0.122	I	mg/Kg	✱	65	10 - 81	3	96
Dinoseb	0.0048	U	0.0942	0.0475	I	mg/Kg	✱	50	10 - 64	24	99
MCPA	0.98	U	18.8	12.9	I	mg/Kg	✱	69	10 - 101	15	134

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	80		10 - 150

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 400-205034/1-A

Matrix: Solid

Analysis Batch: 205504

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.33	U	1.0	0.33	mg/Kg			01/21/14 20:14	1
Nitrite as N	0.33	U	1.0	0.33	mg/Kg			01/21/14 20:14	1
Nitrate Nitrite as N	0.33	U	1.0	0.33	mg/Kg			01/21/14 20:14	1

Lab Sample ID: 400-85591-1 MS

Matrix: Solid

Analysis Batch: 205504

Client Sample ID: 03-SS-01

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	15		27.2	45.1		mg/Kg	✱	111	80 - 120
Nitrite as N	15		36.6	32.6	J3	mg/Kg	✱	49	80 - 120

TestAmerica Pensacola

QC Sample Results

AR-003202

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Method: 9056 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 400-85591-1 MSD

Matrix: Solid

Analysis Batch: 205504

Client Sample ID: 03-SS-01

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	15		28.1	47.4		mg/Kg	☼	115	80 - 120	5	15
Nitrite as N	15		37.8	32.9	J3	mg/Kg	☼	48	80 - 120	1	15

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 400-205202/1-A

Matrix: Solid

Analysis Batch: 206287

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.37	U	0.46	0.37	mg/Kg		01/22/14 10:30	01/31/14 18:19	1
Barium	0.19	U	0.93	0.19	mg/Kg		01/22/14 10:30	01/31/14 18:19	1
Cadmium	0.093	U	0.46	0.093	mg/Kg		01/22/14 10:30	01/31/14 18:19	1
Chromium	0.19	U	0.93	0.19	mg/Kg		01/22/14 10:30	01/31/14 18:19	1
Lead	0.19	U	0.46	0.19	mg/Kg		01/22/14 10:30	01/31/14 18:19	1
Selenium	0.37	U	0.93	0.37	mg/Kg		01/22/14 10:30	01/31/14 18:19	1
Silver	0.19	U	0.46	0.19	mg/Kg		01/22/14 10:30	01/31/14 18:19	1

Lab Sample ID: LCS 400-205202/2-A

Matrix: Solid

Analysis Batch: 206287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	151	144		mg/Kg		95	81 - 120
Barium	262	260		mg/Kg		99	83 - 117
Cadmium	152	152		mg/Kg		100	82 - 118
Chromium	117	118		mg/Kg		101	79 - 121
Lead	254	266		mg/Kg		105	81 - 119
Selenium	162	146		mg/Kg		90	77 - 122
Silver	44.3	42.3		mg/Kg		96	74 - 126

Lab Sample ID: 400-85591-1 MS

Matrix: Solid

Analysis Batch: 206287

Client Sample ID: 03-SS-01

Prep Type: Total/NA

Prep Batch: 205202

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.1		115	108		mg/Kg	☼	93	75 - 125
Barium	36		115	137		mg/Kg	☼	87	75 - 125
Cadmium	0.16	I	57.4	56.3		mg/Kg	☼	98	75 - 125
Chromium	17		115	120		mg/Kg	☼	90	75 - 125
Lead	7.7		115	120		mg/Kg	☼	98	75 - 125
Selenium	1.6		115	104		mg/Kg	☼	89	75 - 125
Silver	0.23	U	57.4	56.5		mg/Kg	☼	98	75 - 125

TestAmerica Pensacola

QC Sample Results

AR-003203

Client: Barksdale & Associates
Project/Site: VIIS CANEEL BAY RESORT

TestAmerica Job ID: 400-85591-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 400-85591-1 MSD

Matrix: Solid

Analysis Batch: 206287

Client Sample ID: 03-SS-01

Prep Type: Total/NA

Prep Batch: 205202

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.1		113	107		mg/Kg	☼	93	75 - 125	1	20
Barium	36		113	145		mg/Kg	☼	96	75 - 125	6	20
Cadmium	0.16	I	56.7	56.6		mg/Kg	☼	100	75 - 125	1	20
Chromium	17		113	126		mg/Kg	☼	96	75 - 125	5	20
Lead	7.7		113	122		mg/Kg	☼	101	75 - 125	2	20
Selenium	1.6		113	103		mg/Kg	☼	89	75 - 125	1	20
Silver	0.23	U	56.7	53.8		mg/Kg	☼	95	75 - 125	5	20

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 400-205147/14-A

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 205147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.039	0.023	mg/Kg		01/21/14 09:03	01/22/14 11:57	1

Lab Sample ID: LCS 400-205147/15-A

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.76	4.73		mg/Kg		82	80 - 120

Lab Sample ID: 400-85522-A-1-E MS

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 205147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.030		0.183	0.188		mg/Kg	☼	86	75 - 125

Lab Sample ID: 400-85522-A-1-F MSD

Matrix: Solid

Analysis Batch: 205374

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

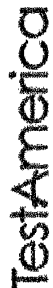
Prep Batch: 205147

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.030		0.180	0.188		mg/Kg	☼	88	75 - 125	0	20

TestAmerica Pensacola

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-1001

Chain of Custody Record



THE LATEST IN ENVIRONMENTAL TESTING

Client Information Client Contact: Mr. John Barksdale Company: Barksdale & Associates Address: 105 South G Street City: Pensacola State, Zip: FL, 32502 Phone: 850-291-4704(Tel) Email: john@barksdaleandassociates.com Project Name: VHS Carrel Bay Resort Site:		Lab Pk: Whitmire, Cheyenne R E-Mail: cheyenne.whitmire@testamerica.com Carrier Tracking No(s): 400-37086-17742.3		Sample: John Barksdale Phone:																																											
Analysis Request Due Date Requested: TAT Requested (days): 2 weeks Purchase Order not required PO #: 400000008 WFO #: 400000008 Project #: 400000008 SSOW #:		Analysis Request 100-85597 COC																																													
Sample Identification <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=overstitch)</th> <th>Preservation Code</th> </tr> </thead> <tbody> <tr> <td>03-SS-01</td> <td>1340</td> <td>G</td> <td>Solid</td> <td></td> <td></td> </tr> <tr> <td>03-SS-02</td> <td>1350</td> <td>G</td> <td>Solid</td> <td></td> <td></td> </tr> <tr> <td>03-SS-03</td> <td>1410</td> <td>C</td> <td>Solid</td> <td></td> <td></td> </tr> <tr> <td>03-SS-04</td> <td>1440</td> <td>G</td> <td>Solid</td> <td></td> <td></td> </tr> <tr> <td>03-SS-05</td> <td>1510</td> <td></td> <td>Solid</td> <td></td> <td></td> </tr> <tr> <td>03-SS-06</td> <td>1525</td> <td></td> <td>Solid</td> <td></td> <td></td> </tr> </tbody> </table>		Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=overstitch)	Preservation Code	03-SS-01	1340	G	Solid			03-SS-02	1350	G	Solid			03-SS-03	1410	C	Solid			03-SS-04	1440	G	Solid			03-SS-05	1510		Solid			03-SS-06	1525		Solid			Special Instructions/Note: Total Number of Containers: 2		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - NaOH G - H2SO4 H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsH2O2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 X - EDTA Y - other (specify)	
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=overstitch)	Preservation Code																																										
03-SS-01	1340	G	Solid																																												
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03-SS-04	1440	G	Solid																																												
03-SS-05	1510		Solid																																												
03-SS-06	1525		Solid																																												
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months																																															
Special Instructions/QC Requirements:																																															
Method of Shipment: Received by: <i>John Barksdale</i> Date/Time: 1-18-14 9:28 Received by: Date/Time: Received by: Date/Time: Cooler Temperature(s) °C and Other Remarks: 1.5 C - IKZ																																															

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Chain of Custody Record

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THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

Login Sample Receipt Checklist

Client: Barksdale & Associates

Job Number: 400-85591-1

SDG Number:

Login Number: 85591

List Source: TestAmerica Pensacola

List Number: 1

Creator: Chea, Vandy

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5°C IR2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

AR-003207

Client: Barksdale & Associates

TestAmerica Job ID: 400-85591-1

Project/Site: VIIS CANEEL BAY RESORT

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-14
Arkansas DEQ	State Program	6	88-0689	09-01-14
Florida	NELAP	4	E81010	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200041	10-09-14
Iowa	State Program	7	367	08-01-14
Kansas	NELAP	7	E-10253	10-31-14
Kentucky (UST)	State Program	4	53	06-30-14
Louisiana	NELAP	6	30976	06-30-14
Maryland	State Program	3	233	09-30-14
Massachusetts	State Program	1	M-FL094	06-30-14
Michigan	State Program	5	9912	05-04-14
New Jersey	NELAP	2	FL006	06-30-14
North Carolina DENR	State Program	4	314	12-31-14
Oklahoma	State Program	6	9810	08-31-14
Pennsylvania	NELAP	3	68-00467	01-31-15
Rhode Island	State Program	1	LAO00307	12-30-14
South Carolina	State Program	4	96026	06-30-13 *
Tennessee	State Program	4	TN02907	06-30-14
Texas	NELAP	6	T104704286-12-5	09-30-14
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-14
West Virginia DEP	State Program	3	136	06-30-14

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Pensacola

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone/Fax: (407) 599-5887 / (407) 599-9063

<http://www.EMSL.com>orlandolab@emsl.com

EMSL Order: 341400868

CustomerID: BARK99

CustomerPO:

ProjectID:

Attn: **John Barksdale**
Barksdale & Associates, Inc.
105 South G Street

Pensacola, FL 32502

Phone: (850) 470-0705
Fax: (850) 429-0277
Received: 02/03/14 11:25 AM
Analysis Date: 2/7/2014
Collected: 1/17/2014

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CB-AS-01 341400868-0001	Grounds & Landscaping - Pipe	Gray Fibrous Heterogeneous		10% Ca Carbonate 57% Non-fibrous (other)	30% Chrysotile 3% Crocidolite
CB-AS-02 341400868-0002	Grounds & Landscaping - Pipe	Gray/Blue Fibrous Heterogeneous		10% Ca Carbonate 60% Non-fibrous (other)	25% Chrysotile 5% Crocidolite

Analyst(s)

Katelyn Wright (1)

Manolo Hernandez (1)

Jonathan Teda, Asbestos Lab Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from 02/10/2014 08:00:54

Appendix E

Level II Certification Page

Level II Certification**1. Preparer's Certification**

I certify that I have made a reasonable effort to perform a technically accurate and comprehensive evaluation during completion of this Level II Survey.

Signed John D. Barksdale Print Name John D. Barksdale, P.G.
Date 3/4/14 Title B & A Project Manager
Professional Geologist

2. SSO Hazardous Materials Coordinator Review

I certify that I have reviewed this Level II Survey and have determined to the best of my ability that the survey is complete and accurate. I am qualified to perform this review, concur with the recommendation(s), and recommend approval by the Regional Director.

Signed _____ Print Name _____
Date _____ Title _____

3. Regional Director Approval

I hereby approve this Level II Survey and all of the above conclusions and recommendations.

Signed _____ Print Name _____
Date _____ Region _____