COMPLIANCE STATUS REPORT - UPDATE

DETTELBACH PESTICIDE WAREHOUSE SITE
1251 PARK AVENUE
ATLANTA, DEKALB COUNTY, GEORGIA
HSI NUMBER 10612

PREPARED FOR:

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EarthCon Project No. 02.20140272.00

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COMPLIANCE CERTIFICATION

I certify under penalty of law that this report and all attachments were prepared under my direction in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Based on my review of the findings of this report with respect to the risk reduction standards of the Rules for Hazardous Site Response, Rule 391-3-19-.07, I have determined that this site/property complies with Type 1 risk reduction standards (RRS) for soil. I have also determined that groundwater at this site/property complies with the provisions, purposes, standards, and policies of the Georgia Voluntary Remediation Program Act (VRPA) and applicable voluntary remediation cleanup standards as referenced in OCGA 12-8-108(7).

Gary Rogers
Environmental Manager
Rollins, Inc.

3-27-2018
Date

QUALIFIED GROUNDWATER SCIENTIST CERTIFICATION

I certify that I am a qualified groundwater scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields as demonstrated by state registration and completion of accredited university courses that enable me to make sound professional judgements regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction.

Russell K. Schlecht, P.E.
Principal Engineer
License No 13867

Date: 3/28/18

State of Georgia



1.0 INTRODUCTION

The Dettelbach Pesticide Warehouse (DPW) Property, located at 1251 Park Avenue in Atlanta (Brookhaven), DeKalb County, Georgia, is listed on the Georgia Environmental Protection Division's (EPD) Hazardous Site Inventory (HSI) as HSI Site #10612. The Apple Valley Associates (AVA) property, located adjacent and to the east of the DPW Property, is sublisted under HSI Site #10612. The DPW and AVA properties, which are collectively known as the DPW Site, are located at the intersection of Apple Valley Road and Sunland Drive (33° 51.778' N, 84° 20.243' W) in a mostly residential area with some light industrial and commercial use (Figure 1). The site is bounded to the west by Norfolk Southern and MARTA rail lines and to the east by the Ashford Park residential community. The site is bounded to the north by Park Avenue with a residential home and commercial business across the street, and a multi-use commercial office building to the south. The DPW Site is owned by Rollins, Inc. (Rollins).

2.0 SITE SUMMARY

The DPW Site covers approximately three acres. Rollins purchased the AVA property from Apple Valley Associates, LLC on October 4, 2010. Historically the DPW and AVA properties have been identified as Tracts One through Five. Tract One is the undeveloped AVA parcel north of Tract Four. Tract Two is the DPW Property. Tract Three is a small AVA parcel separating Tracts Two and Four. The AVA Tract Four parcel was leased by the Mexican Consulate from 1999 through approximately 2008 and Tract Five is the undeveloped AVA parcel south of Tract Four. The site layout is shown on Figure 2. Prior to initiation of the Property remediation activities, a new boundary survey was completed to consolidate the impacted property into one parcel. This parcel, consisting of 0.857-acres, is shown on Figure 3, and for purposes of this CSR Update, will be referred to as the DPW Property. The property immediately east of this parcel currently consists of a single-story building (the former Mexican Consulate building) occupied by Bark and Board Brookhaven, a pet grooming and boarding business, a paved parking lot, and vegetated areas in the northern and southern portions of the property.

The DPW Property formerly consisted of a warehouse in the central portion of the property and maintenance shed on the northern portion of the property. Pesticides were packaged in the warehouse from the 1940s through the early 2000s, when the buildings were demolished. A Hazardous Site Response Act (HSRA) release notification was submitted to EPD on May 25, 1999 for a vacant lot adjacent to former Tract Five for concentrations of 4,4'-dichlorodiphenyltrichloroethane (4,4'-DDT), 4,4'-dichlorodiphenyldichloroethylene (4,4'-DDE), 4,4'-dichlorodiphenyldichloroethane (4.4'-DDD), and dieldrin in soil above notification criteria. A HSRA release notification was submitted to EPD on July 9, 1999 for the former Mexican Consulate property (former Tract Four) for concentrations of 4,4'-DDT, 4,4'-DDE, 4,4'-DDD, and dieldrin in soil above notification criteria. EPD conducted two inspections in July 1999 and identified the source of pesticides in soil as the DPW Property located adjacent and upgradient to former Tracts Four and Five. On February 14, 2000, EPD listed the DPW Property as HSI Site

No. 10612 for the release of dieldrin to soil above a reportable quantity, and sublisted former AVA Tract Four, located at 2600 Apple Valley Road, on HSI Site No. 10612 due to organochlorine pesticides impacts resulting from surface runoff from the DPW Property.

Numerous soil and groundwater investigations were conducted following the listing of the Site on the HSI, as described in Sections 5 and 6 below. A Voluntary Investigation and Remediation Plan (VIRP) and application was submitted for the Site on September 8, 2015. The Site was accepted into the Voluntary Investigation and Remediation Program on February 26, 2016. A total of three VIRP Progress Reports have been submitted, dated August 26, 2016, February 23, 2017, and August 23, 2017.

A compliance status report (CSR) dated September 2001 was submitted to the EPD summarizing results from the assessment and subsequent remediation activities through that report date. This CSR Update is intended to summarize the previous site assessment activities along with the more recent activities completed after acceptance of the site in the VRP.

3.0 CONCEPTUAL SITE MODEL

The DPW Site is located in a primarily residential area with light industrial and commercial uses. As discussed in Section 4.2, groundwater was assessed during previous site investigations and determined to not be impacted with pesticides. Therefore, the primary route of exposure to site COCs would be through direct contact and inhalation and/or ingestion of pesticide impacted soil particulates. The contamination has been delineated and remains onsite on the DPW Property. The DPW property is secured with a chain link fence and locked. Former AVA Tracts Three, Four, and Five have unlimited access.

3.1 Regional Geology and Hydrology

The DPW Site is located in the Winder Slope District of the Georgia Piedmont Physiographic Province (Clark and Zisa, 1976) and is underlain by the Lithonia Gneiss (Higgins, 2003). Numerous episodes of deformation have produced varying degrees of metamorphism, folding, and shearing in the underlying rock. The resulting metamorphic rock types in this area of the Piedmont are metagranites and granitic gneisses that make up the Lithonia Gneiss. Approximately 40 to 50% of the rock type in the Atlanta quadrangle is composed of a light-gray to grayish-white, medium grained, poorly foliated, metagranite that is cut by numerous pegmatite and aplite dikes and sills (Higgins, 2003). The remaining portion of the rock in this area is characterized as a light-gray to whitish-gray, medium-grained muscovite-biotite-microcline-oligocase-quartz gneiss with well-defined, contorted, generally 3 mm - 1 cm thick gneissic layering known as the Mount Arabia Migmatite (Higgins, 2003). The characteristic soil profile of this area can generally be divided into three zones: 1. An upper zone near the ground surface consisting of red clays and brown clayey silts which have been subject to increased weathering; 2. An

intermediate zone of less weathered light-whitish-yellow sandy silty soils; and 3. Saprolite or partially weathered rock (PWR) where the mineralogy, texture and banded appearance replicates the structure of the original rock.

The Winder Slope District is comprised of numerous dome-shaped granitic mountains, such as Stone Mountain, located along narrow, rounded stream divides. The gently rolling topography of the Winder Slope District is dissected by headwater tributaries of major regional streams. The streams in the area of the DPW Site flow toward tributaries of the Chattahoochee River. However, there are few surface water bodies in the immediate vicinity of the property due to the heavy urbanization of the Cities of Atlanta and Brookhaven. Most storm water is captured by storm sewers and managed by the City of Atlanta storm water sewer system. The closest surface water body is a tributary to the North Fork Peachtree Creek, located approximately 0.25 miles southeast of the property (Figure 1).

3.2 Site Geology and Hydrogeology

Soils encountered during the 2014 investigations consisted of light brown to orange micaceous silty sands found consistently throughout the upper few feet of the soil borings. The lithology transitions with depth to a light-gray soft sand then to partially weathered rock (PWR). Approximately 40 borings encountered native soils or PWR at depths ranging as shallow as 6 feet to 15 feet below ground surface (bgs). Cross-section locations and 2014 soil boring locations are shown on Figure 4 while the site stratigraphy is presented on cross sections A-A', B-B', and C-C' presented on Figures 5, 6, and 7.

Historical topographic maps show a significant elevation drop and a ravine on the north end between the DPW Property and former AVA parcels. Field observations indicate that the native soils had been managed onsite through grading and earth work to change the topography of the land to suit building purposes. This is evident in soil boring SB-07 where an organic layer was encountered at approximately 10 feet bgs followed immediately by PWR at 11.5 feet bgs.

Groundwater in the Piedmont typically occurs under unconfined or semi-confined aquifer conditions. The groundwater table in the Piedmont generally reflects surface topography. Borings located on the former AVA parcels encountered saturated soil conditions at depths ranging from 12 to 15 feet bgs. Saturated soils were not encountered in the soil borings on the DPW Property, which is located at a higher elevation than the former AVA parcels.

3.3 Identification of Potential Receptors

Potential human receptors to current COCs at the site include the future construction worker through potential exposure routes including direct contact and inhalation and/or ingestion of pesticide impacted soil particulates.

Surface water at the site flows from the DPW Property to the east via overland flow that diverges around the northern and southern ends of the former AVA parcels and discharges first into a storm water detention pond, then into several storm sewers located along Apple Valley Road and Sundance Drive. The closest surface water body is a tributary to North Fork Peachtree Creek located approximately 0.25 miles south/southeast from the site (Figure 1). In the event the pesticides moved with surface runoff water, they would likely adsorb to soil particulates and become immobile. COCs have been delineated to Type 1 RRS, which demonstrates the lack of migration through overland flow.

4.0 CONSTITUENTS/AREAS OF CONCERN

Soils on the DPW Property have been impacted by releases of organochlorine pesticides during active operations of the pesticide warehouse. The DPW Property is located topographically upgradient of the AVA parcels. Through surface runoff, constituents of concern (COCs) from the DPW Property migrated and impacted portions of the downgradient of the former AVA parcels.

4.1 Soil Constituents of Concern

Previous soil investigations and subsequent excavations on the former AVA parcels were not coordinated with investigations on the DPW Property. Therefore, additional soil investigations of the two properties were conducted from June to August 2014 to determine the horizontal and vertical extent of COCs in soil for the DPW Site as a whole. A total of 187 soil samples collected from 71 boring locations were analyzed for pesticides by EPA Method 8081A. The following HSRA regulated substances were present above laboratory detection limits:

- 4,4'-DDD
- 4,4'-DDE
- 4,4'-DDT
- Aldrin
- Chlordane
- Dieldrin
- Endrosulfan I
- Endrin
- gamma-BHC
- Heptachlor
- Heptachlor epoxide

Based on the extensive soil sampling performed across the properties, the following areas of concern were identified:

- DPW Property: The DPW Property covers approximately 0.74 acres and formerly consisted of a warehouse in the central portion of the property and maintenance shed on the northern portion of the property. Pesticides were formulated and packaged from the 1940s through early 2000s, when the buildings were demolished.
- Former Tract Five: Former Tract Five is approximately 0.6 acres and is an undeveloped, wooded lot. It is located south of the DPW Property and east and adjacent to the Norfolk Southern and MARTA rail lines.

Based on additional soil sampling conducted from June through August 2014, areas on the former AVA parcels where pesticide contamination had previously been excavated were confirmed to be in compliance with Type 1 RRS. Therefore, soil contamination was limited to the DPW Property and a small area on former Tract Five.

4.2 Groundwater Constituents of Concern

As reported in the September 2015 VIRP, groundwater samples were collected by Matrix Engineering in March 1999 from two temporary monitoring wells installed on the eastern and western edges of the southern portion of the former AVA parcels. Laboratory analytical results indicated that site COCs were not present at concentrations above detection limits. Additionally, a groundwater sample was collected in June 2009 from a monitoring well installed on the north side of the former Mexican Consulate building. Laboratory analytical results confirmed that site COCs were not present at concentrations above detection limits. Therefore, pesticide concentrations documented in soil on the DPW Property, as well as historical concentrations in soils previously removed from former AVA parcels, have not impacted groundwater. Copies of the groundwater analytical reports are included in Appendix A.

5.0 CORRECTIVE ACTION IMPLEMENTATION

As outlined in the VIRP, corrective action for soils was focused on achieving compliance with applicable RRS. The DPW Site was listed on the HSI in February 2000 due to a release of dieldrin in soil exceeding a reportable quantity. The Site was not listed on the HSI as a result of a release to groundwater exceeding a reportable quantity. Additionally, the 1999 and 2009 groundwater samples collected and analyzed for organochlorine pesticides resulted in concentrations below laboratory reporting limits (Appendix A). This demonstrated that a release exceeding a reportable quantity for groundwater does not exist at the Site. Therefore, in accordance with Section 12-8-107(g)2 of the VRPA, Rollins is not required to perform corrective action or to certify compliance for groundwater.

5.1 2001 Compliance Status Report (CSR) Activities

Following listing of the DPW Site on the HSI, investigation and remediation efforts were initiated. In May 2001, Winter Environmental, Inc. was contracted to remove pesticide-contaminated soil that contained concentrations above Type 1 Risk Reduction Standards (RRS) from portions of the former AVA parcels. As described in the September 2001 CSR, a total of 666 cubic yards of soil were removed from an area including an embankment in the southern portion of the property, as shown on Figure 8. Confirmation samples consisting of 3-point or 5-point composite samples were collected following excavation to document removal of soils above Type 1 RRS. The area of the 2001 historical excavation and location of confirmation samples is shown on Appendix B, CSR (2001) Figures 3.2 and 3.3. A summary of the confirmation sample analytical results is

provided in Appendix B, CSR (2001) Table 3.6. Following excavation, fill material was imported from offsite and placed into the excavation area to match the former grade. Following backfill of the excavation, the area was paved for use as a parking lot.

5.2 Additional Soil Excavation Activities

In July 2002, Four Seasons Environmental, Inc. was contracted to remove pesticide-contaminated soil with concentrations above Type 1 RRS from the parcel north of the former AVA parcel and east of DPW Property along Park Avenue (formerly known as the North Parcel), shown on Figure 7. Approximately 220 cubic yards of soil was removed from an approximately 1,900 square foot area to depths ranging from 1 to 4 feet below grade. The 2002 excavation area was subdivided into subsections A, B, C, D, and E, as shown on Appendix C, Figure 1. Following excavation, composite confirmatory soil samples were collected to demonstrate compliance with Type I RRS. The confirmation samples were collected by Conestoga-Rovers & Associates (CRA) and split confirmation samples were collected by the Dextra Group. A summary of the confirmation sample analytical results is provided in Appendix C, Table 1. Following removal of pesticide-impacted soils above Type I RRS, imported soil was placed in the excavation to match the original grade and seeded to establish a grass cover.

In March 2004, Contaminant Control, Inc. (CCI) was contracted to remove pesticide contaminated soil above Type 1 RRS on the former AVA parcels between the West Retaining Wall and the DPW Property-AVA parcel property line, shown on Figure 3. Approximately 370 cubic yards of soil was removed from an approximately 12,200 square foot excavation area at depths ranging from 2 to 10.5 feet below grade. Following the initial excavation, confirmatory composite soil samples were collected from the bottom of the excavation trench. The areas where the confirmatory sample results were above the Type I RRS were excavated an additional 1 to 4 feet and subsequently resampled to document removal of pesticide-impacted soil above Type I RRS. The locations and depths of the confirmatory samples are shown on Appendix D, Figure 2. A description of confirmation soil samples is listed in Appendix D, Table 1, and a summary of the excavation confirmation soil sample analytical data is provided in Appendix D, Table 2.

From October 2008 through January 2009, Longhunter Contracting Company, LLC (Longhunter) was contracted to remove the remaining pesticide-contaminated soils from the former AVA parcels, as shown on Figure 3. Excavations were completed in multiple stages to varying depths until the analytical results for the confirmatory soil samples were in compliance with Type 1 RRS. The final depth of excavations ranged from 1.5 to 6.0 feet below grade. A total of 1,600 cubic yards of soil was excavated from the Property, as shown on Appendix E, Figure 4. The locations of confirmatory soil samples are shown on Appendix E, Figure 5. A summary of the excavation confirmation soil sample analytical data is provided in Appendix E, Table 1.

6.0 SUMMARY OF VRP ACTIVITIES

A VIRP and application was submitted to EPD on September 8, 2015 for the Site. As summarized in the VIRP, EarthCon Consultants, Inc. (EarthCon) conducted a soil investigation at the DPW Property and AVA parcels from June through August 2014. Approximately 187 soil samples (including duplicates) were collected from 71 soil borings at designated discrete intervals. The intent of the soil boring locations was to assess and delineate potential pesticide-impacted soil on the DPW Property, investigate and delineate preferential pathways for overland flow and migration of contaminants, and confirm that previous excavation areas complied with applicable Type I RRS listed in Table 1.

In June and July 2014, 51 direct-push and hand-auger borings (SB-17, SB-20/SB-61, SB-24/SB-62, SB-46 to SB-50) were completed at locations shown on Figure 9. On July 2, 2014, the groundwater monitoring well located in the concrete area on the north side of the former Mexican Consulate building was abandoned in general accordance with the applicable state regulations.

Analytical results from the June-July 2014 soil sampling event indicated additional samples were necessary to complete horizontal and vertical delineation of pesticides in soil. On August 27, 2014, 20 additional soil samples were collected from six direct push and/or hand auger borings (SB-61 through SB-66). Soil borings SB-61, SB-62, SB-63, and SB-65 were completed in the same locations as soil borings SB-20, SB-24, SB-31, and SB-50, respectively, and resampled to establish vertical delineation (Figure 8). Boring locations were measured from the existing site survey. The soil samples were collected following the procedures described above and were analyzed for pesticides using EPA Method 8081A. Figure 7 depicts the 2014 soil sample locations in relation to the historical excavation areas. With the exception of two sample locations within the 2004 excavation area, the 2014 samples confirmed that the historical excavation areas meet Type 1 RRS, as outlined in Table 2. Analytical data reports from the June-July 2014 sampling are provided in Appendix F.

6.1 Delineation and Remediation of Wooded Area at Southern Property Line

On November 7, 2016, additional soil delineation was conducted in the southeast wooded area of the DPW Property and behind the existing stone block wall. A total of 11 grab soil samples were collected at designated intervals from nine hand-auger soil borings (CS-5, CS-6, CS-7, CS-8, CS-9, CS-10, CS-11, CS-12, and CS-13). The boring locations are shown on Appendix G, Figure 1. The purpose of the additional soil investigation was to further delineate pesticide concentrations in soil both horizontally and vertically in the southeast wooded area and characterize the soil in both areas for future disposal.

In the southeast wooded area of the DPW Property, seven grab soil samples were collected from hand auger borings CS-5, CS-6, CS-7, CS-8, and CS-9 at depths ranging from 6 inches to 5 feet

below ground surface (bgs) and analyzed for total pesticides using EPA Method 8081A. The remaining soil from each sample was homogenized to create one composite sample for analysis by the toxicity characteristic leaching procedure (TLCP). This sample was designated as TCLP-1.

In the area behind the stone block wall behind the existing building, four grab soil samples were collected from hand auger borings CS-10, CS-11, CS-12, and CS-13 at depths ranging from 3 to 5 feet bgs. The soil was homogenized to create one composite sample for analysis by TCLP. This sample was designated TCLP-2.

Results of the additional soil delineation indicated the horizontal extent of the proposed excavation would be smaller than the area proposed in the approved Voluntary Investigation and Remediation Plan dated September 8, 2015. The laboratory analytical report for the wooded area near the southern property boundary is provided in Appendix G.

Subsequent to the additional delineation activities, soil in the southeast wooded area was excavated, placed on plastic sheeting, and temporarily stockpiled on-site. On November 21, 2016, excavation confirmation soil sampling was conducted to confirm the removal of soil containing pesticide concentrations above non-residential risk reduction standards (RRSs) was achieved. Nine samples were collected from various depths from the centerline of each excavation side wall and analyzed for total pesticides using EPA Method 8081A. One sample was collected from the centerline of each side wall at two feet below the top of excavation (EXC-1, EXC-3, EXC-5, and EXC-7), one sample was collected from the floor of the base of the excavation at the centerline of each side wall (EXC-2, EXC-4, EXC-6, and EXC-8), and one sample was collected from the floor of the center of the excavation (EXC-10). The excavation was approximately 30 feet wide, 50 feet long, and 5 feet deep. The approximate excavated area and confirmation sampling locations are shown on Appendix G, Figure 2.

The results of the excavation confirmation sampling indicated that only chlordane concentrations for samples collected from EXC-1, EXC-3, EXC-6, and EXC-8 exceeded the non-residential RRS of 11.1 mg/Kg. As such, additional excavation and confirmation sampling was necessary.

On November 28, 2016, additional excavation confirmation sampling was conducted. The northern and eastern side walls were excavated to a depth of 7 feet bgs at 3 feet inside the excavation side well. The southern and western side walls were extended 3 feet and excavated to a depth of 3 feet bgs. Four confirmation soil samples were collected from the centerline of the floor of each additional excavation side wall (EXC-11, EXC-12, EXC-13, and EXC-14) and analyzed for total pesticides by EPA Method 8081A. The additional approximate excavated area and confirmation sampling locations are shown on Appendix G, Figure 3.

Results of the additional excavation confirmation sampling indicated the extent of soil excavation was below the residential RRS. The laboratory analytical report for the additional confirmation sampling is provided in Appendix G.

In addition to the confirmation samples, excavated soil was sampled for waste characterization disposal purposes. Various depths and locations of the stockpile were sampled and homogenized into one composite sample for analysis by TCLP. This sample was designated SP-1. The laboratory analytical report for both the confirmation soil samples and the stockpile soil sample is provided in Appendix G.

On December 7, 2016, additional excavated soil stockpiled on site was sampled and analyzed for total pesticides using EPA Method 8081A and for TCLP pesticide analysis for chlordane. Both additional excavated soils from the contaminated area and other excavated areas for detention pond construction were separated and stockpiled on plastic sheeting. In order to further characterize the contaminated waste, the stockpiles were divided into multiple sections to better characterize the soil for disposal. Six samples were collected from three contaminated soil piles divided up into two sections (SP-2, SP-3, SP-5, SP-6, SP-7, and SP-8), and two samples were collected from two pond construction soil stockpiles (SP-4 and SP-9). Measurements of the stockpiles and stumps removed during construction were approximately 225 feet long, 30 feet wide, and varied from 1 to 6 feet high. The approximate location and measurements of the stockpile are shown on Appendix G, Figure 4.

Results of the contaminated soil and pond stockpiled soil samples exceeded limits for non-hazardous and hazardous landfill disposal. As a result, Rollins made the decision to postpone construction activities in order to arrange for dispose of the stockpiled soil by means of incineration. Approximately 993-tons of soil were transported to the permitted hazardous waste incinerator located in Deer Park, Texas. The laboratory analytical report for the additional soil stockpile waste characterization is provided as Appendix G.

6.2 Soil Delineation Along Eastern Property Line of DPW Property

Additional soil sampling was completed to demonstrate delineation below the retaining wall footing in response to Georgia Environmental Protection Division's (EPD) "*Comments on Voluntary Remediation Program Application"* letter on February 26, 2016. Sampling was conducted after removal of the wall, footing, and approximately 3 feet of underlying soil to confirm the extent of soil exceeding the residential and non-residential risk reduction standards (RRS) in the area below retaining wall footing. The approved RRS for this site are included on Table 1.

On March 6, 2017, soil sampling was conducted along the western side of the building in the area below the original retaining wall footing. Two grab soil samples were collected from locations SB-61A and SB-62A at depths of 3.7 and 3.2 feet respectively, below the top of the sidewalk located

adjacent to the original retaining wall. Each sample was analyzed for total pesticides via EPA Method 8081B. The sample locations, sample results, and previous analyses for samples collected in this area are shown on Appendix H, Figure 1. Soil representative of the previous sampling and analysis activities have been excavated and was characterized for waste disposal.

Results of the additional soil sampling indicate that concentrations of pesticide constituents for samples collected from SB-61A and SB-62A do not exceed the approved residential RRS. The laboratory analytical report for the vertical soil delineation activities is provided as Appendix H.

6.3 Soil Delineation Along Western Property Line

On February 10, 2017, soil sampling was conducted along the western property line of the DPW Property in the area where samples SB-14 and SB-32 had been collected previously. Three grab soil samples were collected from hand auger borings SB-14A, SB-32A, and SB-32B at depths of 0 to 2 feet below ground surface (bgs) and analyzed for total pesticides via EPA Method 8081B. The boring locations are shown on Appendix I, Figure 1.

Results of the additional soil sampling indicate that concentrations for samples collected from SB-14A, SB-32A, and SB-32B exceed the approved RRS. The laboratory analytical report for the horizontal soil delineation activities is provided in Appendix I.

Additional delineation was also completed along the western property line within the 25-foot R/W of the Norfolk Southern rail lines. Norfolk Southern required that any work occurring within the R/W be approved prior to start to ensure safety of field crews and to inform rail operations of ongoing work in the vicinity of the rails. Approval to conduct the additional soil sampling within the Norfolk South R/W was obtained from Norfolk Southern on July 28, 2017.

On September 22, 2017, soil sampling was conducted along the western property line within the NS R/W and southwest of previously collected samples SB-14A, SB-32A, and SB-32B. Surface and subsurface grab soil samples were collected from hand auger boring SB-14B at depths of 0 to 1 foot below ground surface (bgs) and 4 to 5 feet bgs, respectively. Surface and subsurface grab soil samples were collected from hand auger boring SB-32C at depths of 1.5 to 2.5 feet bgs (gravel extended from 0 to 1.5 feet bgs) and 4 to 5 feet bgs, respectively. The four grab samples were analyzed for total pesticides via EPA Method 8081B. The boring locations are shown on Appendix J, Figure 1.

Results of the additional soil sampling indicate that concentrations for the surface soil sample collected from SB-14B exceed the approved Type 1 and 4 RRS for chlordane. The concentrations for the subsurface soil sample collected from SB-14B and the surface and subsurface soil samples collected at SB-32C are below the approved Type 1 RRS for all pesticides analyzed. Based on these results, and considering that storm water flows from the northeast to the

southwest (from boring SB-14 towards boring SB-32) in the ditch, the extent of pesticides in the Norfolk Southern R/W has been delineated in the direction downstream from these detections. The laboratory analytical report for the additional soil delineation activities is provided as Appendix J.

6.4 Engineering Control

The site remediation activities (engineering control) outlined in the VIRP were initiated in March 2016 and completed in August 2017. These activities consisted of the following:

- Preparing a new site topographic, boundary, and tree survey for the DWP Property to allow for development of engineering plans;
- Obtaining an access agreement with the Norfolk Southern Rail Road to allow work to be completed within the right of way;
- Working with representatives of Georgia Power regarding the relocation of two power poles to allow access to area of the Property subject to site grading/soil removal activities;
- Preparing construction plans for review and approval by the City of Brookhaven and addressing multiple review comments in order to obtain a land disturbance permit for site grading activities;
- Preparing construction plans and contract specifications and obtaining bids from qualified contractors for completion of the work;
- Reviewing the bids, and negotiating contract terms and conditions with the low bidder;
- Conducting preconstruction meeting at the site with the contractor to review sediment and erosion plan requirements;
- Implementation of the approved construction plans and specifications including routine on-site oversight; and,
- Preparation of an as-built survey for site improvements.

The engineering controls included excavation of impacted soil within the wooded area of the DPW Property, demolition of the stone retaining wall and replacing it with a reinforced concrete wall so that impacted soil is contained on the DPW Property, and capping the DPW Property with a material that would serve as an impermeable barrier to prevent impacted soils from leaving the site. Capping the DPW Property also eliminated the potential for contaminants to leach and eliminated the potential exposure route to human receptors. A copy of the permit drawings for the construction activities are included in Appendix K.

The initial site activities consisted of installation of perimeter erosion control silt fence, construction of a storm water sedimentation/detention pond, and clearing/grubbing the DPW Property. The detention pond was located in the proximity of the site where soil was to be removed and sent off-site for disposal. As discussed in Section 6.1, soil that was documented to contain pesticides at a concentration that exceed the residential RRS was removed and the soil stockpiled for later characterization and shipment off-site for incineration. This resulted in the

area meeting the residential RRS and no subject to future monitoring/management. The soil behind the block retaining wall was also excavated, stockpiled on-site for characterization, and shipped off-site for incineration.

Upon completion of the detention pond construction, the stone retaining wall located along the eastern property line and immediately adjacent to the former Mexican Consulate building was demolished. The soil excavated from behind the wall and beneath the footing was removed and stockpiled for shipment and disposal in an off-site incinerator. A new concrete retaining wall with the associated footing was constructed approximately 12 feet west of the original wall so that all impacted soil could be contained to only the DPW Property. The new wall consists of steel-reinforced concrete approximately 10-feet in height with end wingwalls that tied into the existing cement block walls on both the northern and southern ends. A trench drain was constructed at the base of the wall and the roof drains from the former Consulate building tied into the drain and directed via a buried eight-inch diameter PVC pipe to the existing storm water detention pond located along Apple Valley Road.

Once the excavated soils had been removed, construction of the cap over soil that contained pesticide concentrations above the residential RRS, was initiated. Cap installation consisted of the following tasks:

- Grading the Property to achieve planned subgrade elevations;
- Installation of a perimeter concrete curb and gutter to control and direct storm water run-off to the detention pond;
- Installation of a 6-inch compacted clayey soil layer that met the hydraulic conductivity requirement of less than 1 X 10^{-5} centimeters per section permeability criteria;
- Placement of a minimum of 6-inches of granular base material on top of the compacted clayey soil layer;
- Placement of a 4-inch thick asphalt pavement on top of the granular material.

A copy of the as-built survey reflecting the asphalt cap, detention pond, retaining wall, and other site improvements is included in Appendix L.

7.0 SUMMARY

As described in Section 5.2, the extent of constituents in soil above delineation criteria has been defined. Impacted soils remaining on the former AVA parcels have been demonstrated to be below the RRS for residential soils. The impacted soils above the applicable RRS remaining on the DPW Property were capped with asphalt to prevent leaching and eliminate the exposure

pathway to potential receptors.

Based on the information provided in this report, the Site meets the requirements for compliance with site-specific cleanup standards set forth in the VRPA. Rollins will submit a UEC to EPD which, when executed, will restrict the use of groundwater at the Site to non-potable uses only. A revised schedule reflecting this recommendation is provided in Table 4.

8.0 MONTHLY INVOICE SUMMARY

EPD requires that a professional geologist or engineer oversee the implementation of the VIRP in accordance with the provisions, purposes, standards and policies of the VRPA. During the six-month period from February 2016 to July 2016, Ms. Kristen Rivera, P.G invoiced 37.5 hours on this project. During the eighteen-month period from August 2016 to December 2017, Mr. Russell Schlecht, P.E. invoiced 374 hours on this project. A monthly summary of hours invoiced and a description of services provided is outlined in Table 5.

9.0 REFERENCES

Clark, William Z. and Zisa, Arnold C., 1976, Physiographic Map of Georgia, Department of Natural Resources, Geological and Water Resources Division.

Conestoga-Rovers & Associates, 2001, *Compliance Status Report, Dettelbach Pesticide Warehouse, Atlanta, DeKalb County, Georgia, HSI Site No. 10612*, December 2001.

EarthCon Consultants, Inc. (EarthCon), 2015, *Voluntary Investigation and Remediation Plan, Dettelbach Pesticide Warehouse Site, Atlanta (Brookhaven), DeKalb County, Georgia, HSI No. 10612.* September 8, 2015.

Higgins, M.W., T.J. Crawford, R.L. Atkins & R.F. Crawford. 2003. *Geologic map of the Atlanta 30' x 60' Quadrangle, Georgia*. Scientific Investigations Map 2602. U.S. Geologic Survey, Reston, VA.

TABLES

TABLE 1
SUMMARY OF APPROVED RESIDENTIAL AND NON-RESIDENTIAL RISK REDUCTION STANDARDS

Regulated Substance (mg/Kg)	**Type 1** (Residential)	**Type 4** (Non-Residential)
4,4'-DDD	0.66	56.1
4,4'-DDE	0.66	39.6
4,4'-DDT	0.66	56.8
Aldrin	0.66	--
Chlordane	9.2	11.1
Dieldrin	0.66	0.14
Endosulfan I	10	--
Endrin	10	--
gamma-BHC	0.66	--
Heptachlor	0.66	1.05
Heptachlor epoxide	1.64	0.13

Notes
mg/Kg - milligram per kilogram
-- Not calculated

TABLE 2: 2014 SOIL ANALYTICAL RESULTS WITH DELINEATION CRITERIA

2014 Delineation Sampling			Regulated Substance: Organochlorine Pesticides (mg/Kg)										
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	Chlordane	Dieldrin	Endosulfan I	Endrin	gamma-BHC	Heptachlor	Heptachlor Epoxide
Delineation Criteria (mg/Kg)			0.66	0.66	0.66	0.66	9.2	0.66	10	10	0.66	0.66	1.64
Location	Depth	Date											
SB-01	0-2'	7/1/14	<0.0037	<0.0037	<0.0037	<0.0018	<0.037	<0.0037	<0.0018	<0.0037	<0.0018	<0.0018	<0.0018
	4.5-5.5'	7/1/14	<0.0039	<0.0039	<0.0039	<0.002	<0.039	<0.0039	<0.002	<0.0039	<0.002	<0.002	<0.002
SB-02	0-2'	7/1/14	<0.0041	<0.0041	<0.0041	<0.0021	<0.041	<0.0041	<0.0021	<0.0041	<0.0021	<0.0021	<0.0041
	4.5-5.5'	7/1/14	<0.0041	<0.0041	<0.0041	<0.002	<0.041	<0.0041	<0.002	<0.0041	<0.002	<0.002	<0.002
SB-3	0-2'	6/30/14	<0.0079	<0.0079	<0.0079	<0.004	**0.13**	<0.0079	<0.004	<0.0079	<0.004	<0.004	<0.004
	4.5-5.5'	6/30/14	<0.0039	<0.0039	<0.0039	<0.002	<0.039	<0.0039	<0.002	<0.0039	<0.002	<0.002	<0.002
	10-11'	6/30/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
SB-4	0-2'	6/30/14	<0.0078	<0.0078	<0.0078	<0.0039	**0.4**	<0.0078	<0.0039	<0.0078	<0.0039	<0.0039	<0.0039
	4.5-5.5'	6/30/14	<0.0039	<0.0039	<0.0039	<0.002	<0.039	<0.0039	<0.002	<0.0039	<0.002	<0.002	<0.002
	10-11'	6/30/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
SB-5	0-2'	6/30/14	<0.370	<0.370	<0.370	<0.190	**11**	<0.370	<0.190	<0.370	<0.190	<0.190	<0.190
	4.5-5.5'	6/30/14	<0.0039	<0.0039	<0.0039	<0.002	<0.039	<0.0039	<0.002	<0.0039	<0.002	<0.002	<0.002
	10-11'	6/30/14	<0.0037	<0.0037	<0.0037	<0.0019	<0.037	<0.0037	<0.0019	<0.0037	<0.0019	<0.0019	<0.0019
SB-6	0-2'	6/30/14	**0.018**	<0.039	**0.18**	<0.002	**2.1**	**0.0052**	<0.002	<0.0039	<0.002	<0.002	<0.002
	4.5-5.5'	6/30/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
	10-11'	6/30/14	<0.0039	<0.0039	<0.0039	<0.0019	<0.039	<0.0039	<0.0019	<0.0039	<0.0019	<0.0019	<0.0019
SB-07	0-2'	7/1/14	<0.0039	<0.0039	<0.0039	<0.002	<0.039	<0.0039	<0.002	<0.0039	<0.002	<0.002	<0.002
	4.5-5.5'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
SB-08	0-2'	7/1/14	<0.0042	<0.0042	<0.0042	<0.0021	<0.042	<0.0042	<0.0021	<0.0042	<0.0021	<0.0021	<0.0021
	4.5-5.5'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
SB-09	0-2'	7/1/14	**0.0074**	<0.0037	**0.0055**	<0.0018	<0.037	<0.0037	<0.0018	<0.0037	<0.0018	<0.0018	**0.0024**
	4.5-5.5'	7/1/14	<0.0045	<0.0045	<0.0045	<0.0022	<0.045	<0.0045	<0.0022	<0.0045	<0.0022	<0.0022	<0.0022
SB-11	0-2'	7/1/14	<0.0038	**0.028**	**0.02**	<0.0019	**0.13**	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	**0.012**
	4.5-5.5'	7/1/14	<0.0039	<0.0039	<0.0039	<0.002	<0.039	<0.0039	<0.002	<0.0039	<0.002	<0.002	<0.002
SB-12	0-2'	7/1/14	<0.0038	<0.0038	<0.0038	<0.0019	**0.094**	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
	4.5-5.5'	7/1/14	<0.0041	<0.0041	<0.0041	<0.002	<0.041	<0.0041	<0.002	<0.0041	<0.002	<0.002	<0.002
SB-14	0-2'	6/30/14	<0.370	<0.370	<0.370	<0.180	**43**	**0.99**	<0.180	<0.370	<0.180	**1.9**	<0.180
	4.5-5.5'	6/30/14	<0.004	<0.004	<0.004	<0.002	**0.085**	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
	10-11'	6/30/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019

Notes

Bold Detected at concentration above reporting limit

E Estimated (value above quantitation range)

Indicates concentration is above delineation criteria

Prepared by: SNW 9/16/2014
Checked by: DME 9/17/2014

TABLE 2: 2014 SOIL ANALYTICAL RESULTS WITH DELINEATION CRITERIA

2014 Delineation Sampling			Regulated Substance: Organochlorine Pesticides (mg/Kg)										
			4,4'-DDD	**4,4'-DDE**	**4,4'-DDT**	**Aldrin**	**Chlordane**	**Dieldrin**	**Endosulfan I**	**Endrin**	**gamma-BHC**	**Heptachlor**	**Heptachlor Epoxide**
Delineation Criteria (mg/Kg)			**0.66**	**0.66**	**0.66**	**0.66**	**9.2**	**0.66**	**10**	**10**	**0.66**	**0.66**	**1.64**
SB-15	0-2'	6/30/14	<3.8	<3.8	<3.8	<1.9	**170**	<3.8	<1.9	<3.8	<1.9	**4.5**	<1.9
	5-6'	6/30/14	**0.06**	<0.04	**0.094**	<0.02	**1.9**	<0.04	<0.02	<0.04	<0.02	<0.02	<0.02
	11-12'	6/30/14	<0.0041	<0.0041	<0.0041	<0.0021	<0.041	<0.0041	<0.0021	<0.0041	<0.0021	<0.0021	<0.0021
	15-16'	6/30/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
SB-16	0-2'	7/1/14	**0.099**	<0.078	<0.078	<0.039	**7.1**	**0.15**	<0.039	<0.078	<0.039	<0.039	<0.039
	4.5-5.5'	7/1/14	<0.0039	<0.0039	<0.0039	<0.002	**0.043**	<0.0039	<0.002	<0.0039	<0.002	<0.002	<0.002
	9.5-10.5'	7/1/14	<0.0039	<0.0039	<0.0039	<0.002	<0.039	<0.0039	<0.002	<0.0039	<0.002	<0.002	<0.002
SB-17	0-2'	7/2/14	<0.0035	<0.0035	<0.0035	<0.0018	<0.035	<0.0035	<0.0018	<0.0035	<0.0018	<0.0018	<0.0018
	2-4'	7/2/14	<0.0035	<0.0035	**0.016**	<0.0018	<0.035	<0.0035	<0.0018	<0.0035	<0.0018	<0.0018	<0.0018
SB-18	0-2'	7/1/14	<0.0039	<0.0039	<0.0039	<0.0019	**0.23**	**0.029**	<0.0019	<0.0039	<0.0019	<0.0019	<0.0019
	4.5-5.5'	7/1/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
	9.5-10.5'	7/1/14	<0.0041	<0.0041	<0.0041	<0.0021	<0.041	<0.0041	<0.0021	<0.0041	<0.0021	<0.0021	<0.0021
	13-14'	7/1/14	<0.0042	<0.0042	<0.0042	<0.0021	<0.042	<0.0042	<0.0021	<0.0042	<0.0021	<0.0021	<0.0021
SB-19	0-2'	7/2/14	<0.037	<0.037	<0.037	<0.018	**0.69**	**0.044**	<0.018	<0.037	<0.018	<0.018	**0.027**
SB-20	0-2'	7/2/14	<0.360	<0.360	<0.360	<0.18	**27**	<0.360	<0.18	<0.360	<0.18	**0.8**	<0.18
SB-21	0-2'	6/30/14	<3.8	<3.8	<3.8	<1.9	**150**	<3.8	<1.9	<3.8	<1.9	<1.9	<1.9
	4-5'	6/30/14	<21	<21	<21	<11	**410**	<21	<11	<21	<11	<11	<11
	8.5-9.5'	6/30/14	<0.0045	<0.0045	<0.0045	<0.0022	<0.045	<0.0045	<0.0022	<0.0045	**0.043**	<0.0022	<0.0022
	14-15'	6/30/14	<0.0044	<0.0044	<0.0044	<0.0022	**0.097**	<0.0044	<0.0022	<0.0044	**0.029**	<0.0022	<0.0022
SB-22	0-2'	6/30/14	<0.038	<0.038	<0.038	<0.019	**2.2**	**0.074**	<0.019	<0.038	<0.019	<0.019	<0.019
	4-5'	6/30/14	<0.0038	<0.0038	**0.0039**	<0.0019	**0.093**	**0.014**	<0.0019	<0.0038	**0.0061**	<0.0019	<0.0019
	8.5-9.5'	6/30/14	<0.0037	<0.0037	<0.0037	<0.0019	<0.037	<0.0037	<0.0019	<0.0037	**0.013**	<0.0019	<0.0019
SB-24	0-2'	7/2/14	<0.077	<0.077	<0.077	<0.039	**13**	**0.15**	<0.039	<0.077	<0.039	**0.077**	<0.039
	2-4'	7/2/14	**19**	**20**	**22**	<1.9	**400**	**76**	<1.9	<3.9	<1.9	**78 E**	**34**
SB-25	1-2'	7/1/14	<0.0041	<0.0041	<0.0041	**0.0052**	**0.33**	**0.016**	<0.002	<0.0041	<0.002	<0.002	<0.002
	9.5-10.5'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	**0.007**	<0.002	<0.004	<0.002	<0.002	<0.002
SB-26	0-2'	7/1/14	<0.18	<0.18	**0.22**	<0.092	**6.4**	**0.33**	<0.092	<0.18	<0.092	<0.092	**0.46**
	4.5-5.5'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
SB-28	0-2'	7/1/14	<0.0044	<0.0044	<0.44	<0.0022	**0.09**	**0.006**	<0.0022	<0.0044	<0.0022	<0.22	<0.0022
	4-5'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002

Notes

Bold Detected at concentration above reporting limit
E Estimated (value above quantitation range)
Indicates concentration is above delineation criteria

Prepared by: SNW 9/16/2014
Checked by: DME 9/17/2014

TABLE 2: 2014 SOIL ANALYTICAL RESULTS WITH DELINEATION CRITERIA

2014 Delineation Sampling			Regulated Substance: Organochlorine Pesticides (mg/Kg)										
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	Chlordane	Dieldrin	Endosulfan I	Endrin	gamma-BHC	Heptachlor	Heptachlor Epoxide
Delineation Criteria (mg/Kg)			**0.66**	**0.66**	**0.66**	**0.66**	**9.2**	**0.66**	**10**	**10**	**0.66**	**0.66**	**1.64**
SB-29	0-2'	7/1/14	<0.04	<0.04	<0.04	<0.02	<0.4	<0.04	<0.02	<0.04	<0.02	<0.02	<0.02
	4.5-5.5'	7/1/14	<0.0041	<0.0041	<0.0041	<0.0021	<0.041	<0.0041	<0.0021	<0.0041	<0.0021	<0.0021	<0.0021
SB-30	0-2'	7/1/14	<0.0037	<0.0037	<0.0037	<0.0019	**0.45**	**0.023**	<0.0019	<0.0037	<0.0019	<0.0019	**0.032**
	4.5-5.5'	7/1/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	**0.0038**
SB-31	0-2'	6/30/14	<3.8	<3.8	<3.8	<1.9	**150**	<3.8	<1.9	<3.8	<1.9	<1.9	<1.9
	4-5'	6/30/14	<0.039	<0.039	<0.039	<0.020	**0.73**	<0.039	<0.020	<0.039	<0.020	<0.020	<0.020
	9.5-11'	6/30/14	<0.2	<0.2	<0.2	<0.098	**17**	<0.2	<0.098	<0.2	<0.098	**0.15**	<0.098
SB-32	0-2'	6/30/14	<0.19	<0.19	<0.19	<0.097	**15**	<0.19	<0.097	<0.19	<0.097	<0.097	<0.097
	4-5'	6/30/14	<0.0039	<0.0039	<0.0039	<0.0019	**0.063**	**0.0058**	<0.0019	<0.0039	<0.0019	<0.0019	**0.0022**
	8.5-9.5'	6/30/14	<0.0037	<0.0037	<0.0037	<0.0019	**0.11**	**0.0084**	<0.0019	<0.0037	**0.011**	<0.0019	**0.002**
SB-33	0-2'	6/30/14	<0.2	<0.2	<0.2	<0.099	**10**	<0.2	<0.099	<0.2	<0.099	**0.17**	<0.099
	4-5'	6/30/14	**0.0052**	<0.0039	<0.0039	<0.002	**0.28**	<0.0039	<0.002	<0.0039	<0.002	**0.0087**	<0.002
	8.5-9.5'	6/30/14	<0.0039	<0.0039	<0.0039	<0.0019	<0.039	<0.0039	<0.0019	<0.0039	<0.0019	<0.0019	<0.0019
SB-34	0-2'	7/1/14	<0.0039	<0.0039	<0.0039	<0.002	<0.039	<0.0039	<0.002	<0.0039	<0.002	<0.002	<0.002
	4.5-5.5'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
SB-35	0-2'	7/1/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
	4.5-5.5'	7/1/14	<0.0039	<0.0039	<0.0039	<0.0019	<0.039	<0.0039	<0.0019	<0.0039	<0.0019	<0.0019	<0.0019
SB-37	0-2'	7/1/14	<0.0036	**0.006**	<0.072	<0.0018	**0.17**	**0.0058**	<0.0018	<0.0036	<0.0018	<0.036	**0.013**
	4.5-5.5'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
SB-38	1-3'	7/1/14	<0.077	<0.077	<0.077	<0.039	<0.77	<0.077	<0.039	<0.077	<0.039	<0.039	<0.039
	5-6'	7/1/14	<0.0048	<0.0048	<0.0048	<0.0024	<0.048	<0.0048	<0.0024	<0.0048	<0.0024	<0.0024	<0.0024
SB-39	3-5'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
	5-6'	7/1/14	<0.0039	<0.0039	<0.0039	<0.0019	<0.039	<0.0039	<0.0019	<0.0039	<0.0019	<0.0019	<0.0019
SB-40	0-2'	7/1/14	<0.0039	<0.0039	<0.0039	<0.0019	<0.039	<0.0039	<0.0019	<0.0039	<0.0019	<0.0019	<0.0019
	4.5-5.5'	7/1/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
SB-41	0-2'	6/30/14	<0.0039	<0.039	**0.12**	<0.002	**2.2**	**0.041**	<0.002	<0.0039	<0.002	**0.0037**	<0.002
	4-5'	6/30/14	<0.0039	**0.004**	<0.0039	<0.0019	**0.24**	**0.065**	<0.0019	<0.0039	<0.0019	<0.0019	<0.0019
	8.5-9.5'	6/30/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
SB-42	0-2'	6/30/14	<0.750	<0.750	**3**	<0.038	**5.3**	<0.075	<0.038	<0.075	<0.038	<0.038	<0.038
	4-5'	6/30/14	<0.004	**0.01**	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	**0.0051**
	8.5-9.5'	6/30/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002

Notes

Bold Detected at concentration above reporting limit
E Estimated (value above quantitation range)
Indicates concentration is above delineation criteria

Prepared by: SNW 9/16/2014
Checked by: DME 9/17/2014

TABLE 2: 2014 SOIL ANALYTICAL RESULTS WITH DELINEATION CRITERIA

2014 Delineation Sampling			Regulated Substance: Organochlorine Pesticides (mg/Kg)										
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	Chlordane	Dieldrin	Endosulfan I	Endrin	gamma-BHC	Heptachlor	Heptachlor Epoxide
Delineation Criteria (mg/Kg)			**0.66**	**0.66**	**0.66**	**0.66**	**9.2**	**0.66**	**10**	**10**	**0.66**	**0.66**	**1.64**
SB-44	0-2'	7/1/14	**0.13**	**0.013**	**0.072**	<0.002	**0.15**	<0.039	<0.002	<0.0039	<0.002	<0.002	<0.002
	4.5-5.5'	7/1/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
SB-45	0-2'	7/1/14	<0.0038	<0.0038	<0.0038	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
	4.5-5.5'	7/1/14	<0.02	<0.02	<0.02	<0.01	<0.2	**0.063**	<0.01	<0.02	<0.01	<0.01	<0.01
SB-46	0-2'	7/2/14	<0.0076	<0.0076	<0.0076	<0.0038	**0.091**	<0.0076	<0.0038	<0.0076	<0.0038	<0.0038	<0.0038
SB-47	0-2'	7/2/14	<0.0037	**0.016**	**0.011**	<0.0019	**0.78**	**0.026**	<0.0019	<0.0037	<0.0019	<0.0019	**0.035**
SB-48	0-2'	7/2/14	<0.0073	**0.0073**	<0.0073	<0.0036	**0.56**	**0.017**	<0.0036	<0.0073	<0.0036	<0.0036	**0.025**
SB-49	0-2'	7/2/14	<0.038	**0.053**	**0.085**	<0.019	**1.4**	**0.16**	<0.019	<0.038	<0.019	<0.019	**0.056**
SB-50	0-1'	7/2/14	**97**	<7.5	**210**	<3.8	**140**	<7.5	<3.8	<7.5	<3.8	<3.8	<3.8
SB-51	0-2'	7/1/14	<0.0038	<0.0038	<0.0076	<0.0019	<0.038	<0.0038	<0.0019	<0.0038	<0.0019	<0.0038	<0.0019
	4.5-5.5'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
SB-60	0-6''	7/2/14	<0.072	**0.25**	**0.33**	<0.036	**6.1**	**0.26**	<0.036	<0.072	<0.036	<0.036	**0.33**
SB-61	3.5'	8/27/14	<0.038	<0.038	<0.038	<0.019	**2.8**	**0.058**	<0.019	<0.038	<0.019	<0.019	**0.063**
	4'	8/27/14	<0.037	<0.037	<0.037	<0.019	**3.9**	**0.059**	<0.019	**0.07**	<0.019	**0.089**	<0.019
	5'	8/27/14	<0.75	<0.75	<0.75	<0.37	**1200**	**11**	<0.37	<0.75	<0.37	<1.9	<0.37
SB-62	4'	8/27/14	<0.0039	<0.0039	<0.0039	<0.002	**0.038**	**0.011**	<0.002	<0.0039	<0.002	<0.002	**0.0098**
	5-6'	8/27/14	<0.0039	<0.0039	**0.005**	<0.002	**0.52**	**0.011**	<0.002	<0.0039	<0.002	<0.002	**0.0099**
	6-7'	8/27/14	**0.028**	<0.0039	**0.0052**	<0.002	**1.5**	**0.037**	<0.002	<0.0039	<0.002	<0.002	**0.032**
SB-63	0-2'	8/27/14	<0.36	**0.39**	**1.3**	<0.18	**20**	**0.51**	<0.18	<0.36	<0.18	<0.18	**0.65**
	4-5'	8/27/14	<0.037	**0.052**	<0.037	<0.019	**9.6**	**0.15**	<0.019	<0.037	<0.019	<0.019	**0.25**
	9.5'-11'	8/27/14	<0.0036	<0.0036	<0.0036	<0.0018	**0.081**	<0.0036	**0.0029**	<0.0036	<0.0018	<0.0018	**0.0049**
SB-64	1-2'	8/27/14	<0.0074	**0.02**	**0.025**	<0.0037	**0.26**	**0.025**	<0.0037	<0.0074	<0.0037	<0.0037	**0.02**
	2-3'	8/27/14	<1.9	<1.9	**3.7**	<0.94	**39**	**3.7**	<0.94	<1.9	<0.94	<0.94	<0.94
	3.5'	8/27/14	<1.9	<1.9	<1.9	<0.97	**41**	**3.3**	<0.97	<1.9	<0.97	<0.97	<0.97
	4.5'	8/27/14	<1.9	<1.9	**4.1**	<0.94	**33**	**3.3**	<0.94	<1.9	<0.94	<0.94	<0.94
	5-6'	8/27/14	<0.004	**0.037**	**0.046**	<0.002	**3.9**	**0.29**	<0.002	**0.08**	<0.002	<0.04	**0.03**
SB-65	2.5-3.5'	8/27/14	<1.8	<1.8	<1.8	<0.91	**33**	<1.8	<0.91	<1.8	<0.91	<0.91	<0.91
	4-5'	8/27/14	<0.0038	<0.0038	**0.0054**	<0.0019	**0.47**	**0.0079**	<0.0019	<0.0038	<0.0019	<0.0019	**0.011**
SB-66	1-2.5'	8/27/14	<0.072	**0.11**	**0.22**	<0.036	**6.3**	**0.18**	<0.036	<0.072	<0.036	<0.036	**0.18**
	3.5-4.5'	8/27/14	<0.0036	**0.0078**	**0.0092**	<0.0018	**0.45**	**0.0083**	<0.0018	**0.018**	<0.0018	<0.0018	**0.0075**
B-1	0-2'	7/1/14	<0.0076	<0.0076	<0.0076	<0.0038	**0.22**	**0.018**	<0.0038	<0.0076	<0.0038	**0.02**	**0.0048**
	4.5-5.5'	7/1/14	<0.078	<0.078	<0.078	<0.039	**5.9**	<0.078	<0.039	<0.078	<0.039	**0.52**	**0.085**

Notes

Bold Detected at concentration above reporting limit

E Estimated (value above quantitation range)

Indicates concentration is above delineation criteria

Prepared by: SNW 9/16/2014
Checked by: DME 9/17/2014

TABLE 2: 2014 SOIL ANALYTICAL RESULTS WITH DELINEATION CRITERIA

2014 Delineation Sampling			Regulated Substance: Organochlorine Pesticides (mg/Kg)										
			4,4'-DDD	**4,4'-DDE**	**4,4'-DDT**	**Aldrin**	**Chlordane**	**Dieldrin**	**Endosulfan I**	**Endrin**	**gamma-BHC**	**Heptachlor**	**Heptachlor Epoxide**
Delineation Criteria (mg/Kg)			**0.66**	**0.66**	**0.66**	**0.66**	**9.2**	**0.66**	**10**	**10**	**0.66**	**0.66**	**1.64**
B-2	1-3'	7/1/14	**0.0067**	<0.0038	<0.0038	<0.0019	**0.27**	**0.012**	<0.0019	<0.0038	<0.0019	<0.0019	<0.0019
	5-6'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
	10-11'	7/1/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
B-3*	0-2'	6/30/14	<0.039	<0.039	<0.039	<0.020	**0.78**	<0.039	<0.020	<0.039	<0.020	<0.020	<0.020
	4-5'	6/30/14	<0.004	<0.004	<0.004	<0.002	<0.04	<0.004	<0.002	<0.004	<0.002	<0.002	<0.002
	8.5-9.5'	6/30/14	<0.0039	<0.0039	<0.0039	<0.0019	<0.039	<0.0039	<0.0019	<0.0039	<0.0019	<0.0019	<0.0019
B-4	0-2'	6/30/14	<0.76	<0.76	<0.76	<0.19	**76**	**2.9**	<0.19	<0.38	<0.19	<0.19	<0.19
	3.5-4.5'	6/30/14	<0.039	<0.039	<0.039	<0.02	**0.87**	<0.039	<0.02	<0.039	<0.02	<0.02	<0.02
	13.5-14.5'	6/30/14	<0.0039	<0.0039	<0.0039	<0.0019	<0.039	<0.0039	<0.0019	<0.0039	<0.0019	<0.0019	<0.0019
B-5	0-2'	6/30/14	**100**	<19	<3.8	<1.9	**500**	<3.8	<1.9	<3.8	<1.9	<1.9	<1.9
	4.5-5.5'	6/30/14	**780**	<20	**190**	<2	**190**	<4	<2	<4	<2	<2	<2
	10-11'	6/30/14	**0.0088**	<0.0079	<0.0079	<0.0039	**0.081**	<0.0079	<0.0039	<0.0079	<0.0039	<0.0039	<0.0039

Notes

Bold Detected at concentration above reporting limit
E Estimated (value above quantitation range)
Indicates concentration is above delineation criteria
***** Sample collected at boring B-3 is identified as SB-22-B-3 on the lab sheet

TABLE 3: 2016-2017 SOIL ANALYTICAL RESULTS WITH DELINEATION CRITERIA

			Regulated Substance: Organochlorine Pesticides (mg/Kg)													
			4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-Chlorodane	beta-BHC	Chlordane	Dieldrin	Endosulfan II	Endrin	Endrin ketone	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor Epoxide
Type 1 RRS (mg/Kg)			**0.66**	**0.66**	**0.66**	**0.66**	--	--	**9.2**	**0.66**	--	**10**	--	**0.66**	--	**0.66**	**1.64**
Type 4 RRS (mg/Kg)			**56.1**	**39.6**	**56.8**	--	--	--	**11.1**	**0.14**	--	--	--	--	--	**1.05**	**0.13**
Location	**Depth (ft.)**	**Date**															
Wooded Area at Southern Property Boundary																	
CS-5-0-2'	0-2	11/7/16	< 0.0036	0.22	**0.73**	< 0.0018	0.81	0.0011 J	5.4	0.18	< 0.0036	< 0.0036	< 0.0036	0.00056 J	1.0	0.063	0.33
CS-6-0-2'	0-2	11/7/16	0.054	0.042	0.31	< 0.0018	0.23	< 0.0018	1.8	0.092	< 0.0036	< 0.0036	< 0.0036	0.0058	0.33	0.0045	0.013
CS-7-0-2'	0-2	11/7/16	< 0.0035	0.0071	0.012	< 0.0018	0.0065	< 0.0018	0.071	0.016	< 0.0035	< 0.0035	< 0.0035	< 0.0018	0.0078	< 0.0018	0.0034
CS-7-4-5'	4-5	11/7/16	< 0.0035	< 0.0035	0.012	< 0.0017	0.18	< 0.0017	4.3	0.015	< 0.0035	< 0.0035	< 0.0035	< 0.0017	0.51	0.65	0.14
CS-8-0-2'	0-2	11/7/16	< 0.018	**1.6**	**17**	< 0.18	47	< 0.18	**410**	**5.7**	< 0.36	< 0.36	< 0.36	< 0.18	92	16	**2.8**
CS-8-4-5'	4-5	11/7/16	< 0.36	0.093 J	**2.7**	< 0.0018	2.7	< 0.0018	**23**	0.30	< 0.0036	< 0.0036	< 0.0036	0.0015 J	5.1	**0.80**	0.22
CS-9-0-2'	0-2	11/7/16	0.16	0.12	**1.2**	0.0039	0.52	< 0.0018	3.5	0.25	0.00089 J	< 0.0037	< 0.0037	0.00065 J	0.79	0.0093	0.017
CS-9-3'	3	11/7/16	**1.7**	0.47	**0.95**	< 0.0018	3.4	< 0.0018	**24**	0.13 J	< 0.0035	0.036	< 0.0035	< 0.0018	4.1	0.012	0.10
Excavation/Confirmation Sampling - Wooded Area at Southern Property Boundary																	
EXC-1	0-2	11/21/16	0.16	0.27	**1.1**	< 0.0018	1.8	0.0020	**15**	0.092	< 0.0035	0.043	< 0.0035	0.0017 J	2.6	0.12	0.099
EXC-2	5	11/21/16	0.04	0.027	0.63	< 0.0018	0.21	< 0.0018	2.4	< 0.0036	< 0.0036	0.0063	< 0.0036	< 0.0018	0.59	0.0031	0.015
EXC-3	0-2	11/21/16	0.31	0.34	**0.76**	< 0.0018	3.2	< 0.0018	**25**	0.46	0.015	0.092	< 0.0036	0.0045	4.6	0.024	0.100
EXC-4	5	11/21/16	0.03	0.065	0.35 B	< 0.0018	0.21	< 0.0018	2.2	0.042	< 0.0035	0.0034 J	< 0.0035	< 0.0018	0.25	0.0082	0.014
EXC-5	0-2	11/21/16	0.015	0.047	0.16 B	0.0012 J	0.13	< 0.0017	0.93	0.082	< 0.0035	0.0012 J	0.0022 J	< 0.00020	0.17	0.0031	0.019
EXC-6	5	11/21/16	0.52	**1.2**	**2.5**	**6.7**	35	< 0.0018	**350**	**66**	0.35 J	1.3	0.29 J	0.023	55	**9.3**	0.99
EXC-7	0-2	11/21/16	**0.91**	0.39	**46**	< 0.0018	1.4	< 0.0018	**11**	0.17	< 0.0036	< 0.0036	< 0.0036	0.00056 J	2.4	0.08	0.18
EXC-8	5	11/21/16	**3.6**	0.55	**4.1**	0.17	5	< 0.0017	**44**	**1.0**	< 0.0035	0.074	0.033	0.0065	6.9	0.20	0.16
EXC-10	5	11/21/16	0.019	0.0071	0.048	0.0013 J	0.063	< 0.0019	0.52	0.013	< 0.0038	0.0014 J	< 0.0038	< 0.0019	0.097	0.0024	0.0022
EXC-11	3	11/28/16	0.014	0.19	0.21	< 0.0018	0.56	0.00065 J	3.6	0.016	< 0.0035	0.011	< 0.0035	< 0.0018	0.78	0.0036	0.028
EXC-12	7	11/28/16	< 0.0039	< 0.0039	0.0013 J	< 0.0019	0.0015 J	< 0.0019	0.014 J	0.00078 J	< 0.0039	< 0.0039	< 0.0039	< 0.0019	0.0024	< 0.0019	0.00024 J
EXC-13	7	11/28/16	0.0017 J	0.0037 J	0.067	0.00072 J	0.030	< 0.0019	0.22	0.016	< 0.0037	0.00043 J	< 0.0037	< 0.0019	0.056	0.0058	0.0026
EXC-14	3	11/28/16	< 0.0035	< 0.0035	0.0022 J	< 0.0017	0.0073	< 0.0017	0.063	0.0017 J	< 0.0035	< 0.0035	< 0.0035	< 0.0017	0.0079	0.0014 J	0.0053
Soil Sampling Below Original Retaining Wall Footing																	
SB-61-A-3.7'	3.7	3/6/17	0.23	0.015	0.31	< 0.0020	0.57	< 0.0020	3.9	0.17	< 0.0040	0.054	< 0.0040	0.0059	0.67	0.011	< 0.0020
SB-62-A-3.2'	3.2	3/6/17	< 0.0038	< 0.0038	< 0.0038	< 0.0019	0.039	< 0.0019	0.27	0.0079	< 0.0038	< 0.0038	< 0.0038	< 0.0019	0.055	< 0.0019	0.0023
Horizontal Soil Delineation Adjacent to Norfolk Southern Railroad																	
SB-14A	0-2	2/10/17	0.083	**0.86**	0.59	< 0.0019	6.6	< 0.0019	**48**	**0.80**	< 0.0037	0.30 J	< 0.0037	0.0072	8.1	**0.73**	< 0.0019
SB-32A	0-2	2/10/17	0.091	**0.91**	**2.4**	< 0.0018	7.7	< 0.0018	**66**	**0.76**	< 0.0036	0.18 J	< 0.0036	0.0051	12	**1.5**	0.66
SB-32B	0-2	2/10/17	0.016	0.12	0.25	< 0.0021	1.6	< 0.0021	**12**	0.12	< 0.0021	0.055	< 0.0042	0.0017 J	2.0	0.049	0.11
Horizontal Soil Delineation In Norfolk Southern R/W																	
SB-14B SUR	0-1	9/22/17	0.29	< 0.18	0.19	< 0.0081	1.8	< 0.0081	**15**	**0.29**	< 0.0037	< 0.0037	< 0.0037	< 0.0018	2.6	< 0.0018	< 0.0018
SB-14B SUBSUR	4-5	9/22/17	0.053	< 0.0041	0.17	< 0.0020	0.18	< 0.0020	1.3	0.015	< 0.0041	< 0.0041	< 0.0041	< 0.0020	0.22	< 0.0020	< 0.0020
SB-32C SUR	1.5-2.5	9/22/17	0.045	0.082	0.12	< 0.0020	1.0	< 0.0020	7.4	0.18	< 0.0040	< 0.0040	< 0.0040	0.0036	1.2	0.059	0.028
SB-32C SUBSUR	4-5	9/22/17	< 0.0039	< 0.0039	0.0063	< 0.0020	0.11	< 0.0020	0.71	0.017	< 0.0039	< 0.0039	< 0.0039	< 0.0020	0.14	0.0084	0.0066

Created by: KAH 12/18/17
Checked by: RJT 12/19/17

Notes
-- - Not calculated
ft. - feet
J - Estimated value above quantitation range
B - Analyte detected in the associated method blank
Bold - Detected above Type 1 RRS
Shaded - Detected above Type 4 RRS

TABLE 4: PROJECTED MILESTONE SCHEDULE

Date	Activity
October 2015	Enrollment in the VRP
October 2015	Begin Corrective Action Activities
August 2016	First VIRP Progress Report
February 2017	Second VIRP Progress Report
August 2017	Third VIRP Progress Report
March 2018	Compliance Status Report Update Submittal
April 2018	UEC Submittal

Table 5. Summary of Monthly Invoices

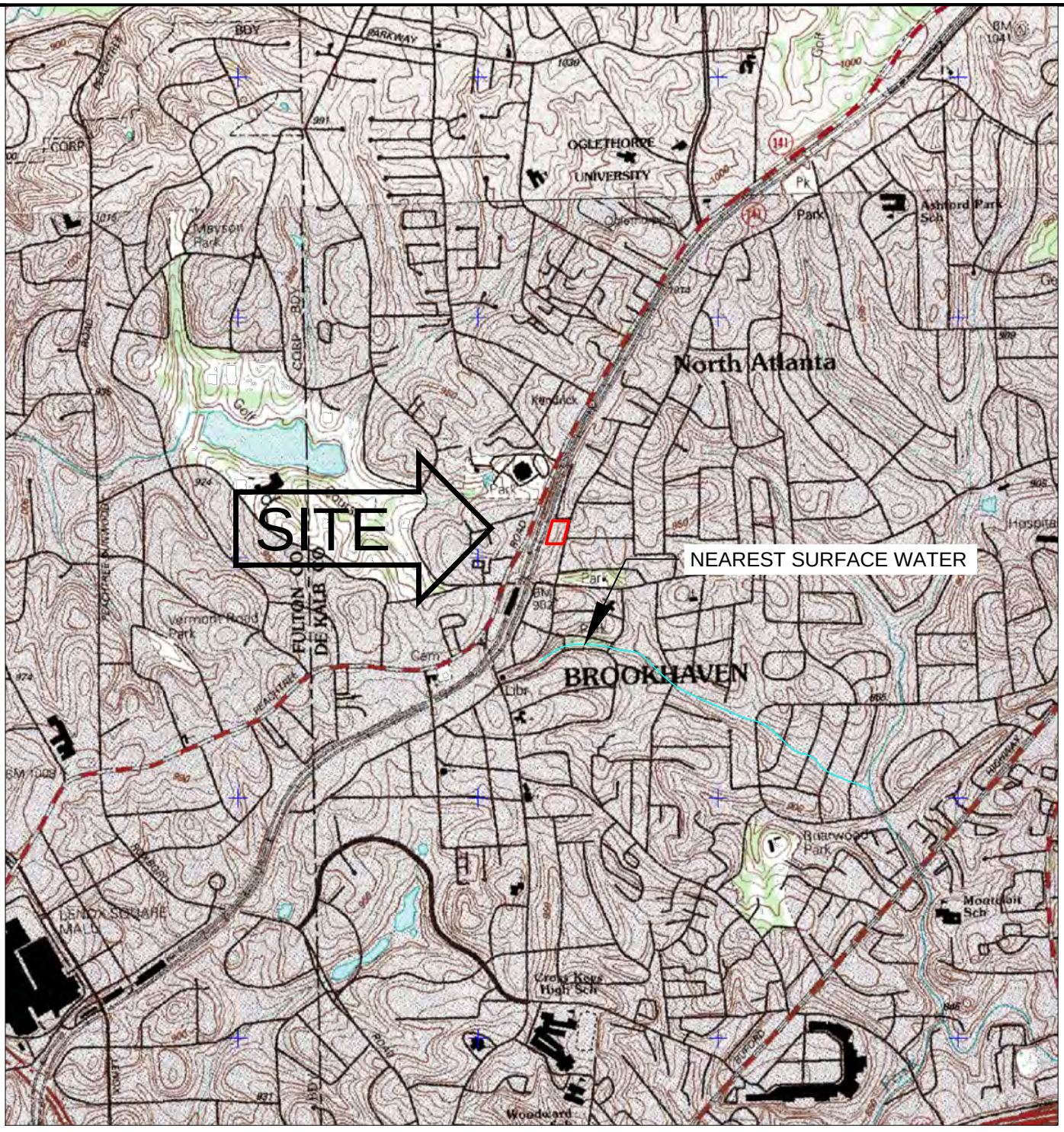
Month	Hours Billed by Kristen Rivera, P.G.	Description of Activities
February 2016	10.5	– Project management; – Review of EPD's VIRP Approval and Comment Letters; – Preparing the plans and information for the City of Brookhaven permit application.
March 2016	8	– Project management; – Preparing and recording the new plat combining Tracts 1 and 2 and associated expenses.
April 2016	11.75	– Project management; – Preparing, filing, and recording the affidavit and associated expenses; – Responding to City of Brookhaven's permit application comments and updating/reprinting permit application.
May 2016	3.5	– Project management; – Responding to the City of Brookhaven's comments on the land disturbance permit application and updating/ resubmitting the plans; – Submitting the recorded affidavit to the Georgia Environmental Protection Division (EPD).
June 2016	2.5	– Project management; – Discussions with City of Brookhaven regarding their comments on the permit plans and revisions.
July 2016	1.25	– Project scheduling update; – Revision of zoning permit variance request.
Month	**Hours Billed by Russell K. Schlecht, P.E.**	**Description of Activities**
August 2016	22.5	– Preparation and submittal of First VIRP Progress Report – Bid document preparation, pre-bid meeting, respond to contractor's questions; – Assistance with client's tenant build out design; – Communication with City of Brookhaven.

September 2016	16	– Project management; – Assisting client's tenant with dog walk pad design and City of Brookhaven communication; – Preparing the parking lot lighting specs.
October 2016	0.75	– Project management; – Submitting an additional scope of work and access agreement extension request to Norfolk Southern; and, – Evaluation of soil management options for off-site disposal.
November 2016	39	– Project management; – Soil sampling analyses; – Construction oversight; – Evaluation of soil management options for off-site disposal.
December 2016	9	– Project management; – Soil sampling analyses; – Construction oversight; – Evaluation of soil management options for off-site disposal.
January 2017	11.5	– Project management; – Construction oversight; – Meeting with EPD; – Prepare sampling and analysis summary report.
February 2017	40.5	– Prepare and submit Second VIRP Progress Report; – Retaining wall design and construction oversight; – Site meeting; – Review sampling data and reports for wooded area and Norfolk Southern area.
March 2017	45.5	– Project management; – Detention pond wall construction design review; – Retraining wall and drainage trench design review; – Parking lot block wall repair consultation; – Georgia Power pole relocation consultation; – Additional soil delineation and reporting; – Waste management consultation; – Construction oversight.

April 2017	14.5	– Project management; – Site construction observations; – Retaining wall crack evaluation.
May 2017	14	– Project management; – Site construction observations; – Retaining wall crack evaluation; – Review of a historic site assessment and remediation report.
June 2017	19	– Project management; – Site construction observations; – Evaluate earthwork balance; – Review of a historic site assessment and remediation report.
July 2017	35	– Project management; – Site construction observations; – Redesign of section of the curb and gutter; – Coordination with Norfolk Southern regarding Right of Way soil sampling.
August 2017	28.5	– Project management; – Site construction observations; – On-site meeting with EPD representatives; – Redesign of detention pond materials.
September 2017	35	– Project management and contractor change order review; – Implement Norfolk Southern Right of Way Sampling; – Site construction observations; – Design slope stabilization and French drain at northern concrete wall.
October 2017	17	– Project management; – Prepare CSR Update; – Addressing fencing concern from the City of Brookhaven.
November 2017	13	– Project management; – Letter report for Norfolk Southern Right of Way sampling; – Preparation of a Variance application and meeting with the City of Brookhaven regarding fencing.

December 2017	13.25	– Project management; – Preparation / review of CSR Update; – Site meeting with contractor regarding slope repair and French drain.

FIGURES



0 1000 2000 4000

SCALE IN FEET

N

LEGEND

APPROXIMATE SITE BOUNDARY

NEAREST SURFACE WATER

SOURCE: MAPCARD TOPO, ATLANTA (BROOKHAVEN), GEORGIA

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA

DEKALB COUNTY

HSI SITE NUMBER 10612

PROJECT NO. 02.20140272.00

EARTHCON®

EarthCon Consultants, Inc.

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

SITE LOCATION

DRAWN:	CHECKED:	DATE:	FIGURE:
SNW	KRR	FEB 16, 2015	1

FILENAME: site location figure.dwg

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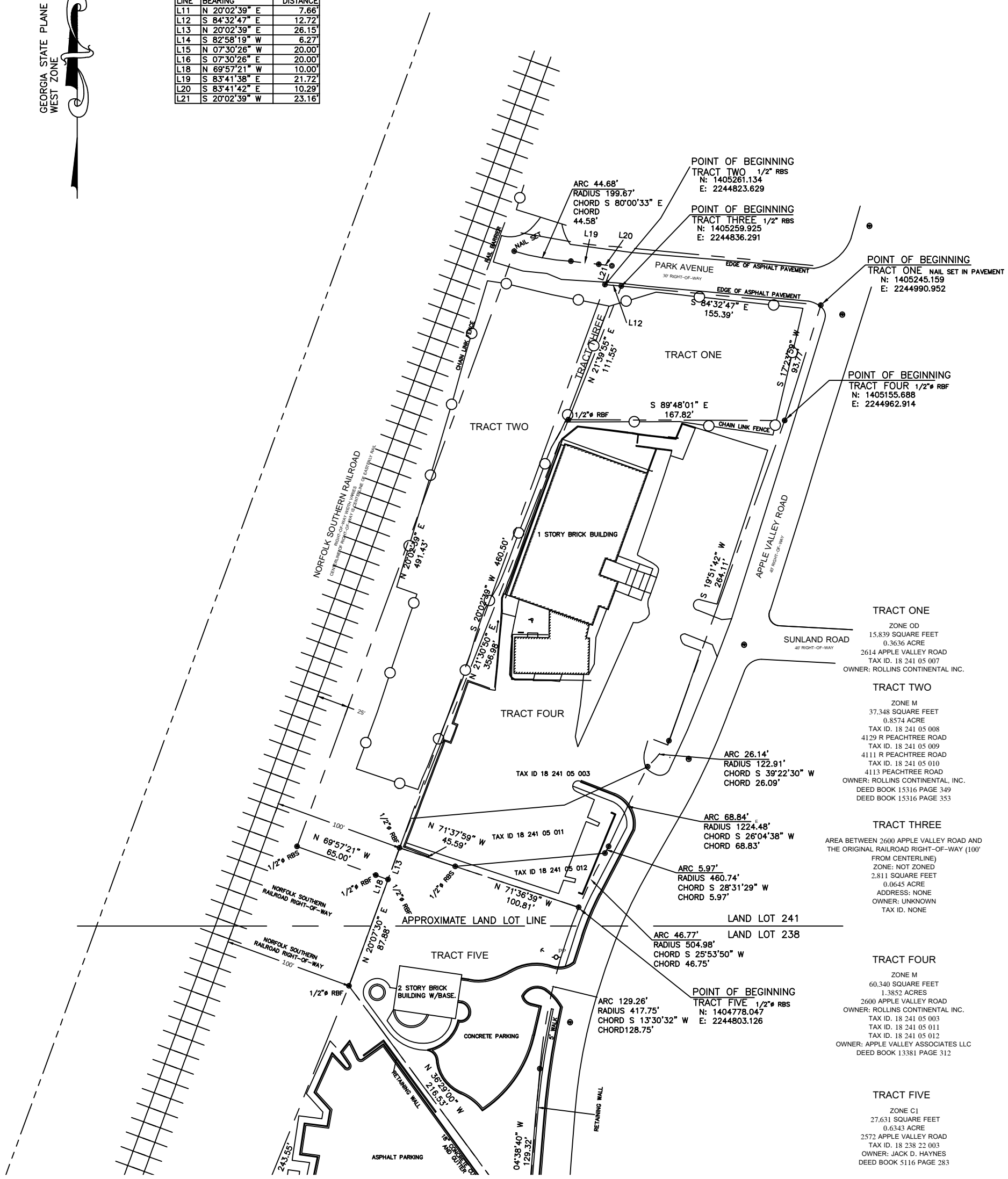
GRID NORTH

GEORGIA STATE PLANE
WEST ZONE

LINE	BEARING	DISTANCE
L11	N 20°02'39" E	7.66'
L12	S 84°32'47" E	12.72'
L13	N 20°02'39" E	26.15'
L14	S 82°58'19" W	6.27'
L15	N 07°30'26" W	20.00'
L16	S 07°30'26" E	20.00'
L18	N 69°57'21" W	10.00'
L19	S 83°41'38" E	21.72'
L20	S 83°41'42" E	10.29'
L21	S 20°02'39" W	23.16'



TRACT ONE

ZONE OD
15,839 SQUARE FEET
0.3636 ACRE
2614 APPLE VALLEY ROAD
TAX ID. 18 241 05 007
OWNER: ROLLINS CONTINENTAL INC.

TRACT TWO

ZONE M
37,348 SQUARE FEET
0.8574 ACRE
TAX ID. 18 241 05 008
4129 R PEACHTREE ROAD
TAX ID. 18 241 05 009
4111 R PEACHTREE ROAD
TAX ID. 18 241 05 010
4113 PEACHTREE ROAD
OWNER: ROLLINS CONTINENTAL, INC.
DEED BOOK 15316 PAGE 349
DEED BOOK 15316 PAGE 353

TRACT THREE

AREA BETWEEN 2600 APPLE VALLEY ROAD AND THE ORIGINAL RAILROAD RIGHT-OF-WAY (100' FROM CENTERLINE)
ZONE: NOT ZONED
2,811 SQUARE FEET
0.0645 ACRE
ADDRESS: NONE
OWNER: UNKNOWN
TAX ID. NONE

TRACT FOUR

ZONE M
60,340 SQUARE FEET
1.3852 ACRES
2600 APPLE VALLEY ROAD
OWNER: ROLLINS CONTINENTAL INC.
TAX ID. 18 241 05 003
TAX ID. 18 241 05 011
TAX ID. 18 241 05 012
OWNER: APPLE VALLEY ASSOCIATES LLC
DEED BOOK 13381 PAGE 312

TRACT FIVE

ZONE C1
27,631 SQUARE FEET
0.6343 ACRE
2572 APPLE VALLEY ROAD
TAX ID. 18 238 22 003
OWNER: JACK D. HAYNES
DEED BOOK 5116 PAGE 283

SURVEY NOTES

1. THIS SURVEY WAS MADE ON THE GROUND USING A CARLSON NETWORK CORRECTED RTK RECEIVER, A SOUTH 2 SECOND TOTAL STATION AND A STEEL TAPE.

2. THE MAXIMUM RELATIVE POSITIONAL ERROR WAS COMPUTED TO BE 0.06 FEET AND WAS ADJUSTED USING NETWORK LEAST SQUARES METHOD.

3. THE DISTANCES AND AREAS SHOWN ON THIS SURVEY GROUND. THE COMBINED GRID FACTOR USED IS 0.99986. THE BASIS OF BEARING IS GEORGIA STATE PLANE COORDINATE SYSTEM WEST ZONE.

0 40 80 160
SCALE IN FEET

SOURCE: LANDMAN INC. dba LAND DEVELOPING CO. BOUNDARY SURVEY (3/27/2014)

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA
DEKALB COUNTY
HSI SITE NUMBER 10612
PROJECT NO. 02.20140272.00

EARTHCON®
EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

SITE LAYOUT

DRAWN:	CHECKED:	DATE:	FIGURE:
SNW	KRR	NOVEMBER 2014	2

FILENAME: SITE-LAYOUT.DWG

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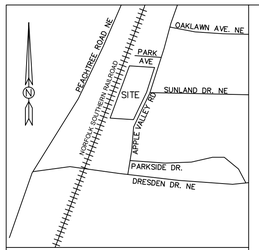
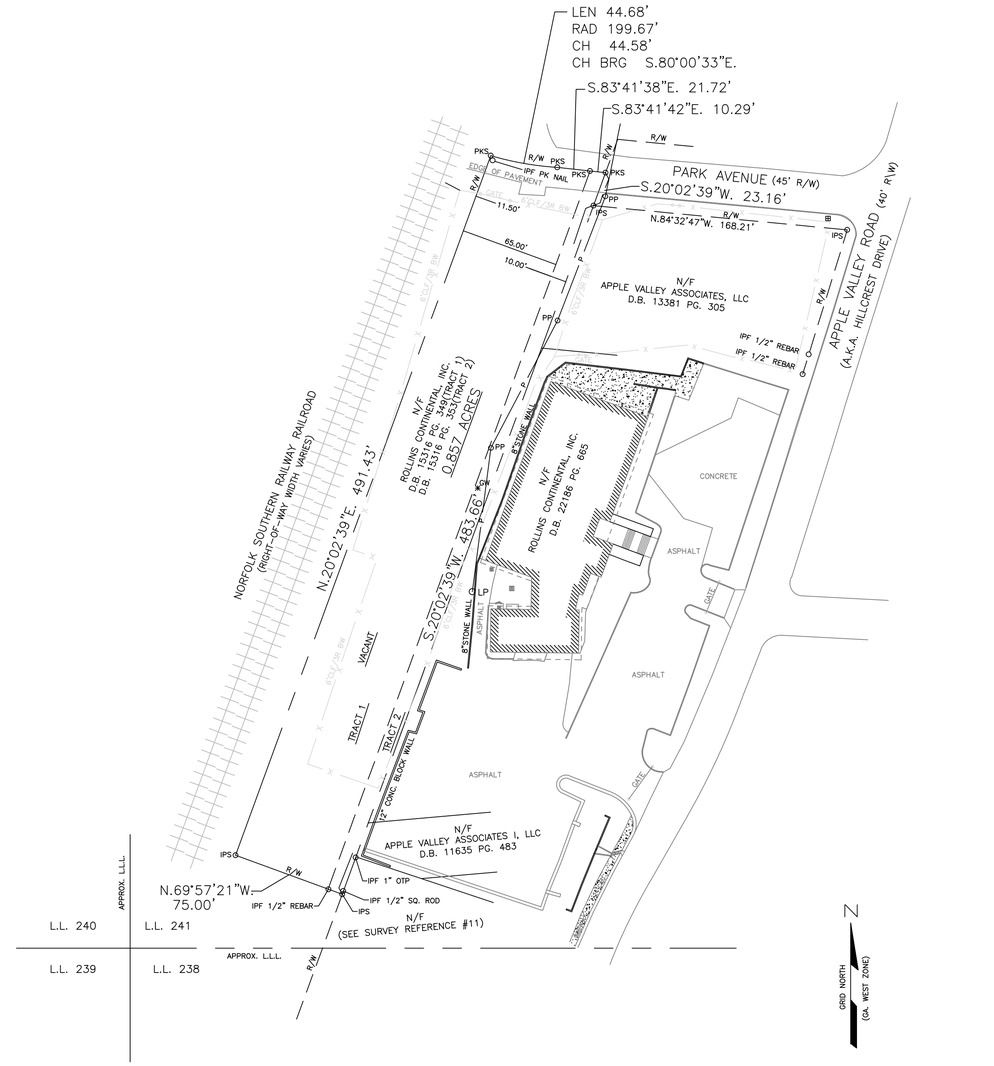


VICINITY MAP
(NOT TO SCALE)



LEGEND:

IPS	DENOTES 1/2" REBAR SET WITH "2431" CAP
IPF	DENOTES IRON PIN FOUND WITH SIZE AND TYPE
N/F	DENOTES NOW OR FORMERLY
D.B.	DENOTES DEED BOOK
PG.	DENOTES PAGE
P.B.	DENOTES PLAT BOOK
RAD	DENOTES RADIUS
LEN	DENOTES ARC LENGTH
CH	DENOTES CHORD
CH BRG	DENOTES CHORD BEARING
R/W	DENOTES RIGHT-OF-WAY
L.L.	DENOTES LAND LOT
PKS	DENOTES PK NAIL SET
PP	DENOTES POWER POLE
GW	DENOTES GUY WIRE
6'CLF/3RBW	DENOTES 6' CHAINLINK FENCE WITH BARB WIRE
—P—	DENOTES 6' CHAINLINK FENCE WITH BARB WIRE

SURVEY REFERENCES:

1. SUBDIVISION MAP FOR PEACHTREE ROAD PARK, RECORDED IN PLAT BOOK 2, PAGE 30, DATED 11/1912, DEKALB COUNTY, GEORGIA.
2. SURVEY FOR ROLLINS CONTINENTAL, INC., BY TATE ENGINEERING AND SURVEYING, INC., DATED 10/17/2003, REVISED 10/27/2003. (DELINEATES TRACTS 1 & 2)
3. BOUNDARY SURVEY FOR GEOSYNTEC CONSULTANTS, BY LANDMAN INC., DATED 3/6/2013, REVISED 3/27/2013.
4. QUIT CLAIM DEED, DEED BOOK 11635, PAGE 483 TO APPLE VALLEY ASSOCIATES I, LLC, DATED 10/10/2000.
5. LIMITED WARRANTY DEED, DEED BOOK 22186, PAGE 665 TO ROLLINS CONTINENTAL, INC., DATED 10/20/2010.
6. LIMITED WARRANTY DEED, DEED BOOK 13381, PAGE 305 TO APPLE VALLEY ASSOCIATES, LLC, DATED 6/26/2002.
7. LIMITED WARRANTY DEED, DEED BOOK 15316, PAGE 349 TO ROLLINS CONTINENTAL, INC., DATED 11/3/2003.(DENOTED AS TRACT 1 HEREON)
8. QUIT CLAIM DEED, DEED BOOK 15316, PAGE 353 TO ROLLINS CONTINENTAL, INC., DATED 11/3/2003.(DENOTED AS TRACT 2 HEREON)
9. QUIT CLAIM DEED, DEED BOOK 13381, PAGE 309 TO APPLE VALLEY ASSOCIATES, LLC, DATED 6/26/2002.
10. QUIT CLAIM DEED, DEED BOOK 13381, PAGE 312 TO APPLE VALLEY ASSOCIATES, LLC, DATED 6/26/2002.
11. NOTE: ABUTTING PROPERTY OWNER REFERENCE AT SOUTHEAST CORNER OF SUBJECT TRACTS TAKEN FROM CLIENT FURNISHED MAP. NOT ABLE TO LOCATE OR VERIFY ADJOINER OWNERSHIP/DEED IN THIS AREA.

SURVEYOR'S NOTES/CERTIFICATION:

1. THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE OF ONE FOOT IN 37,680 FEET AND AN ANGULAR ERROR OF 02" PER ANGLE POINT AND WAS ADJUSTED BY THE LEAST SQUARES METHOD.
2. THE LINEAR AND ANGULAR MEASUREMENTS SHOWN ON THIS PLAT WERE OBTAINED BY USING IN THE FIELD SURVEY A SOKKIA SET3X TOTAL STATION.
3. THIS PLAT HAS BEEN CALCULATED FOR CLOSURE BY THE COORDINATE METHOD AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 312,150 FEET.
4. ACREAGE WAS COMPUTED FROM DIMENSIONS AS SHOWN ON THE PLAT.
5. THE BEARINGS SHOWN ON THIS PLAT WERE BASED UPON GEORGIA STATE PLANE GRID SYSTEM – WEST ZONE.
6. THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF A TITLE COMMITMENT/OPINION.
7. THE PROPERTY IS IN ZONE C (AREAS OF MINIMAL FLOODING) ACCORDING TO DEKALB COUNTY F.I.R.M. FLOOD MAP, COMMUNITY PANEL NO. 130065003E, DATED 9/2/1988.
8. SURVEYOR'S CERTIFICATION :
IT IS HEREBY CERTIFIED THAT THIS SURVEY IS TRUE AND CORRECT AND WAS PREPARED FROM AN ACTUAL SURVEY OF THE PROPERTY MADE UNDER MY SUPERVISION; THAT ALL MONUMENTS SHOWN HEREON EXIST AND THEIR LOCATION, SIZE, TYPE AND MATERIAL ARE CORRECTLY SHOWN.

ERIC P. FLATEBO, GEORGIA LAND SURVEYOR #2636 DATE
MARTIN SURVEY ASSOCIATES, INC.

REV	DATE	DESCRIPTION	DR BY	APP BY

BY:
MARTIN SURVEY ASSOCIATES, INC.
P.O. BOX 448
3005 HOLLY SPRINGS PARKWAY
SUITE 101
HOLLY SPRINGS, GA. 30142
TELEPHONE (770) 345-7350
CFN : APPVAL

PROJECT NO
DATE 2/10/2016

PROJECT
ROLLINS CONTINENTAL, INC.
PROPERTY – TRACTS 1 & 2

SHEET TITLE
BOUNDARY SURVEY
PART OF LAND LOT 241, 18TH DISTRICT
DEKALB COUNTY, GEORGIA

FOR :
EARTHCON CONSULTANTS, INC.
1880 WEST OAK PARKWAY
BUILDING 100, SUITE 106
MARIETTA, GEORGIA 30062

SHEET 1 OF 1
SHEET NO
1

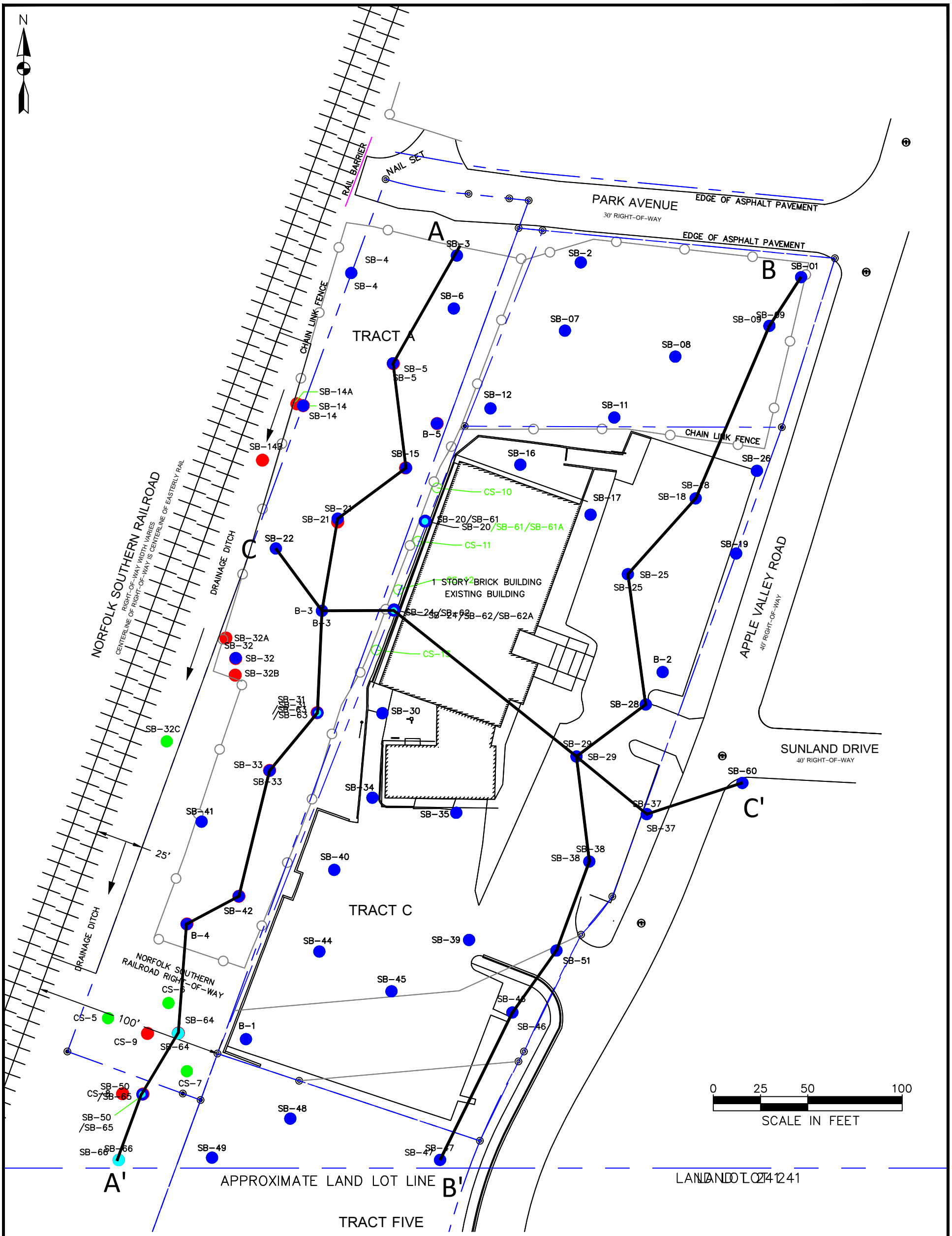
EARTHCON®
EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

Revisions
Date Description

DETTELBACH PESTICIDE WAREHOUSE
PROPERTY SURVEY
HSI NO. 10612
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: RJT
Checked by: RKS
Scale: 1"=50'
Project Number: 02.20140272.00
Date: 12/20/2017
Sheet:
3

FILE NAME: S:\Premier\Projects\Clients\Rollins\Dettelbach Pesticide Warehouse\VIRP\CSR Update\Figures\Figure F3 PROPERTY SURVEY.dwg (SIZE D) 01/16/18 17:28 – hpham



SURVEY NOTES

1. THIS SURVEY WAS MADE ON THE GROUND USING A CARLSON NETWORK CORRECTED RTK RECEIVER, A SOUTH 2 SECOND TOTAL STATION AND A STEEL TAPE.

2. THE MAXIMUM RELATIVE POSITIONAL ERROR WAS COMPUTED TO BE 0.06 FEET AND WAS ADJUSTED USING NETWORK LEAST SQUARES METHOD.

3. THE DISTANCES AND AREAS SHOWN ON THIS SURVEY GROUND. THE COMBINED GRID FACTOR USED IS 0.99986. THE BASIS OF BEARING IS GEORGIA STATE PLANE COORDINATE SYSTEM WEST ZONE.

LEGEND

SB-3 — SOIL BORING LOCATIONS (JUNE/JULY 2014)

SB-66 — SOIL BORING LOCATIONS (AUGUST 2014)

SB-64 — ADDITIONAL SOIL BORING LOCATION – EXCEEDS RRS

SB-47 — ADDITIONAL SOIL BORING LOCATION – DOES NOT EXCEED RRS

SOURCE: LANDMAN INC. dba LAND DEVELOPING CO. BOUNDARY SURVEY (3/27/2014)

FILENAME: S:\Premier\Projects\Clients\Rollins\Dettelbach Pesticide Warehouse\VRP\CSR Update\Figures

DETTELBACH PESTICIDE WAREHOUSE

HSI NO. 10612

ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

PROJECT NO. 02.20140272.00

EARTHCON®

EarthCon Consultants, Inc.

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

CROSS-SECTION LOCATION MAP

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	RJT	DEC 2017	4

NORTH
A

SOUTH
A'

990
985
980
975
970
965
960

SB–5	
REGULATED SUBSTANCE	0–2'
Chlordane	11

SB–15	
REGULATED SUBSTANCE	0–2'
Chlordane	170
Heptachlor	4.5

SB–21	
REGULATED SUBSTANCE	4–5'
Chlordane	410

SB–63	
REGULATED SUBSTANCE	4–5'
Chlordane	9.6

SB–33	
REGULATED SUBSTANCE	0–2'
Chlordane	10

SB–42	
REGULATED SUBSTANCE	0–2'
4,4'–DDT	3

B–4	
REGULATED SUBSTANCE	0–2'
Chlordane	76
Dieldrin	2.9

SB–64	
REGULATED SUBSTANCE	4.5'
4,4'–DDT	4.1
Chlordane	33
Dieldrin	3.3

SB–65	
REGULATED SUBSTANCE	2.5–3.5'
Chlordane	33

SB–3
SB–5
SB–15
SB–21
B–3
SB–31/
SB–63
SB–33
SB–42
B–4
SB–64*
SB–50/
SB–65
SB–66*

LEGEND

- ASPHALT
- CONCRETE
- CLAYEY SAND
- SILT
- SAND
- TOTAL ORGANOCHLORINE PESTICIDES ABOVE DELINEATION CRITERIA
- ORGANIC MATERIAL
- GRAVEL
- CLAY
- SILTY SAND
- PARTIALLY WEATHERED ROCK

CONCENTRATIONS IN MG/KG.

SCALE (FEET)

0 50 5

DELINEATION CRITERIA	
REGULATED SUBSTANCE	TYPE 1 RRS (mg/Kg)
4,4'–DDT	0.66
Chlordane	9.20
Dieldrin	0.66
Heptachlor	0.66

* ELEVATIONS WERE ESTIMATED BASED ON NEARBY BORINGS PREVIOUSLY SURVEYED.

DETTELBACH PESTICIDE WAREHOUSE

HSI NO. 10612

ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

PROJECT NO. 02.20140272.00

EARTHCON®

EarthCon Consultants, Inc.

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

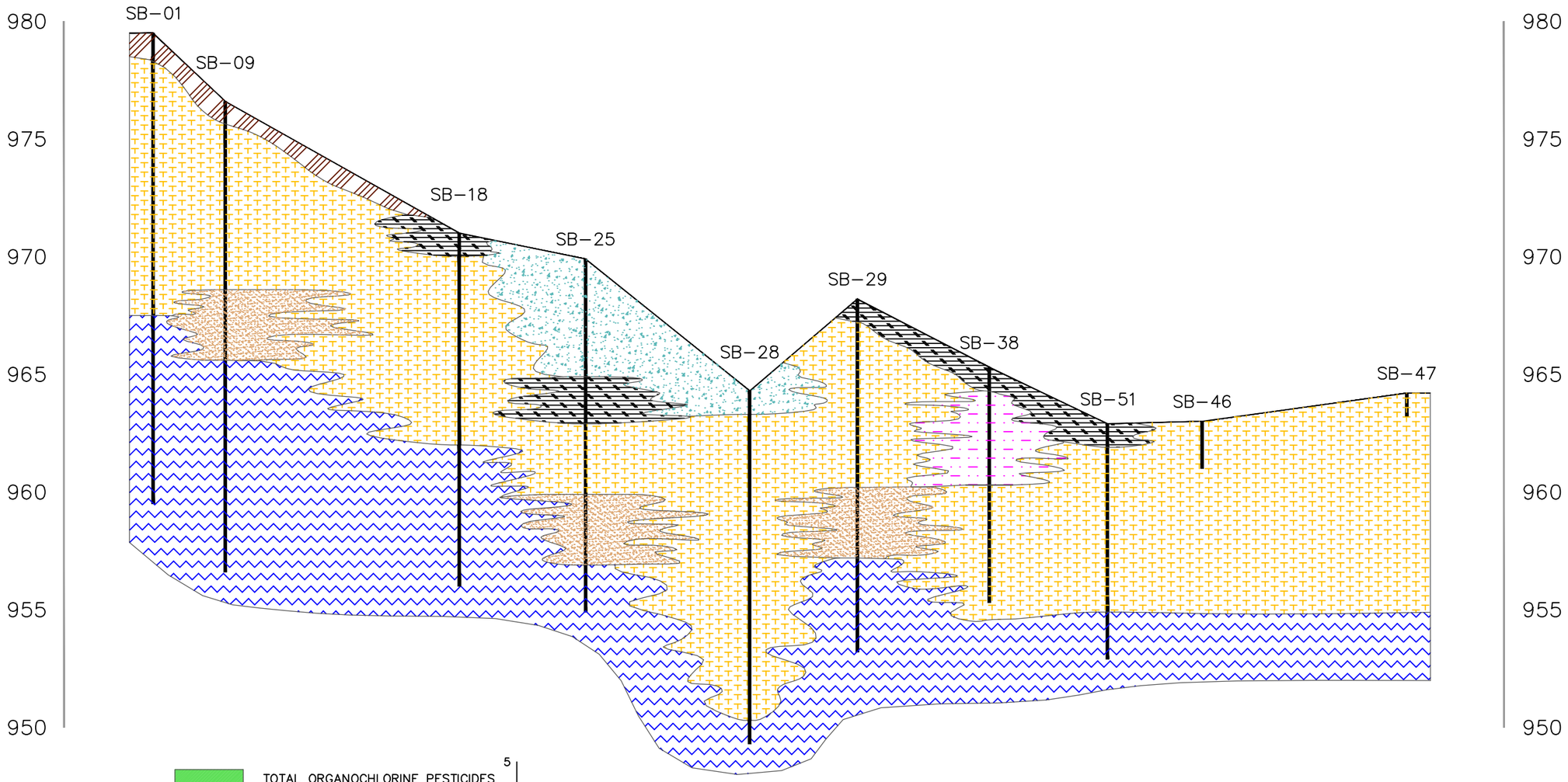
CROSS SECTION
A - A'

DRAWN:	CHECKED:	DATE:	FIGURE:
SSW	KRR	JANUARY 2015	5

FILENAME: soil boring - cross sections.dwg

NORTH
B

SOUTH
B'



LEGEND

- ASPHALT
- CONCRETE
- CLAYEY SAND
- SILT
- SAND
- TOTAL ORGANOCHLORINE PESTICIDES ABOVE DELINEATION CRITERIA
- ORGANIC MATERIAL
- GRAVEL
- CLAY
- SILTY SAND
- PARTIALLY WEATHERED ROCK

5
SCALE
(FEET)
0
50

FILENAME: soil boring - cross sections.dwg

DETTELBACH PESTICIDE WAREHOUSE

HSI NO. 10612

ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

PROJECT NO. 02.20140272.00

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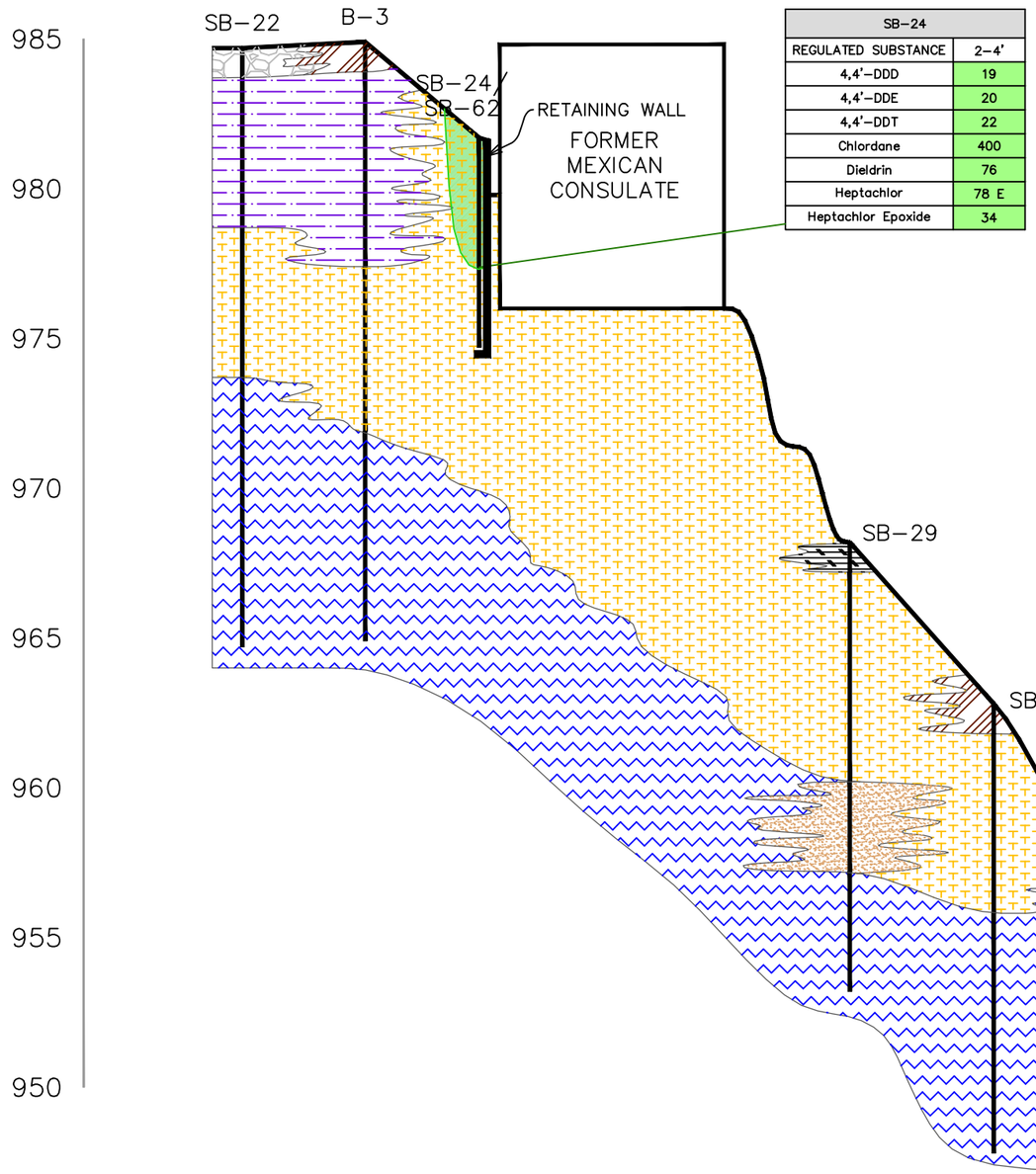
CROSS-SECTION
B - B'

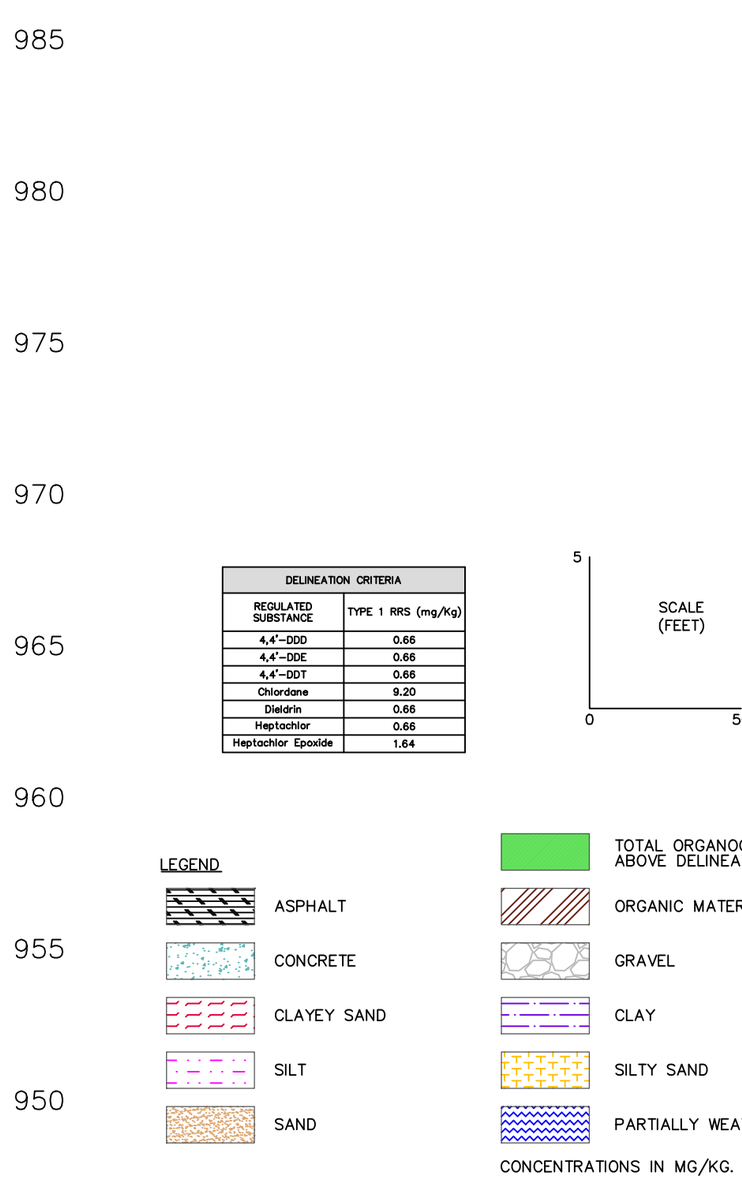
DRAWN:	CHECKED:	DATE:	FIGURE:
SSW	KRR	JANUARY 2015	6

WEST
C

EAST
C'



SB–24	
REGULATED SUBSTANCE	2–4'
4,4'–DDD	19
4,4'–DDE	20
4,4'–DDT	22
Chlordane	400
Dieldrin	76
Heptachlor	78 E
Heptachlor Epoxide	34



DELINEATION CRITERIA	
REGULATED SUBSTANCE	TYPE 1 RRS (mg/Kg)
4,4'–DDD	0.66
4,4'–DDE	0.66
4,4'–DDT	0.66
Chlordane	9.20
Dieldrin	0.66
Heptachlor	0.66
Heptachlor Epoxide	1.64

LEGEND

- ASPHALT
- CONCRETE
- CLAYEY SAND
- SILT
- SAND
- TOTAL ORGANOCHLORINE PESTICIDES ABOVE DELINEATION CRITERIA
- ORGANIC MATERIAL
- GRAVEL
- CLAY
- SILTY SAND
- PARTIALLY WEATHERED ROCK

CONCENTRATIONS IN MG/KG.

DETTELBACH PESTICIDE WAREHOUSE

HSI NO. 10612

ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

PROJECT NO. 02.20140272.00

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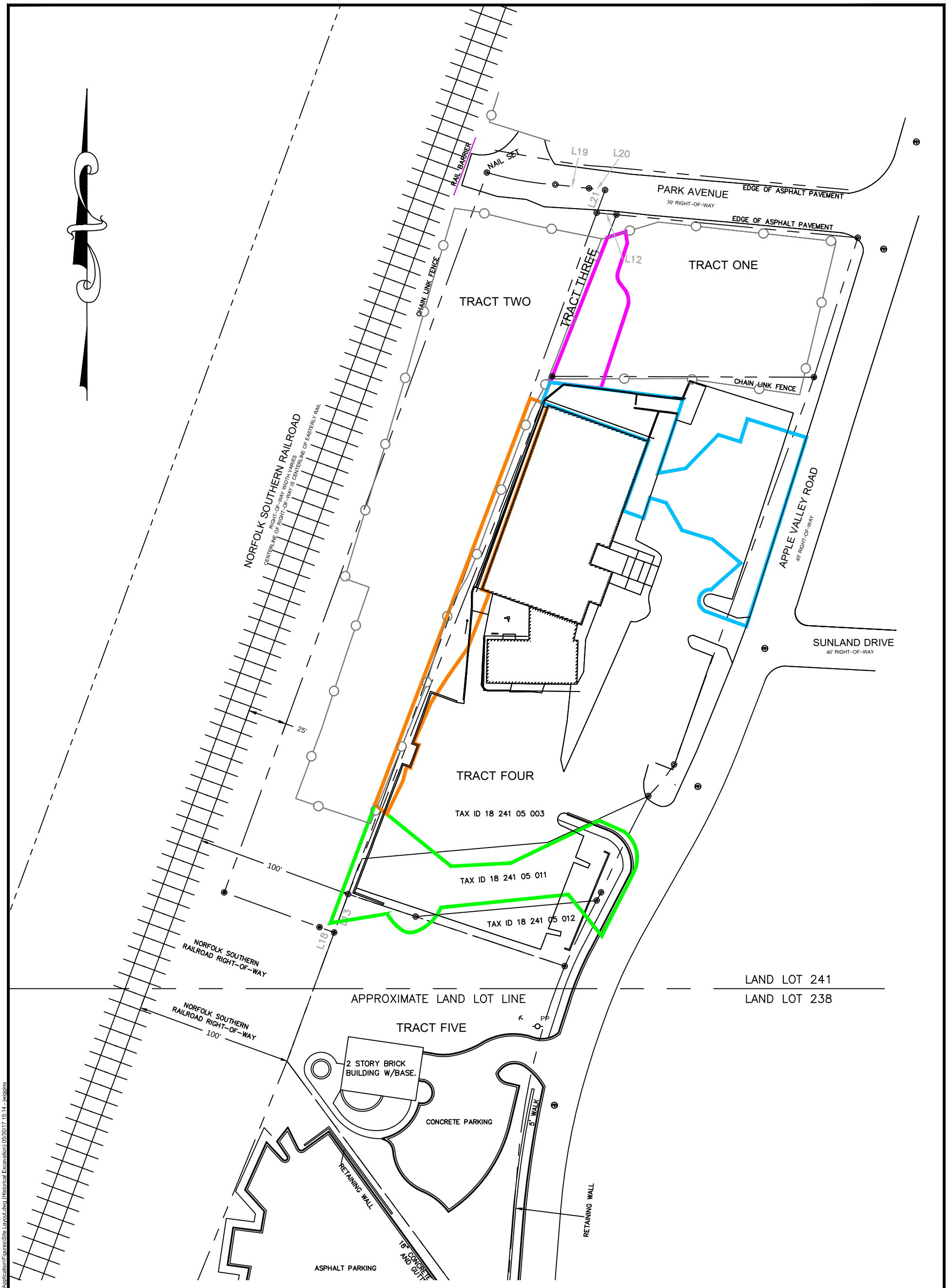
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

CROSS-SECTIONS
C - C'

DRAWN:	CHECKED:	DATE:	FIGURE:
SSW	KRR	AUGUST 2014	7

FILENAME: soil boring - cross sections.dwg



SOURCE: LANDMAN INC. dba LAND DEVELOPING CO. BOUNDARY SURVEY (3/27/2014)

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA
DEKALB COUNTY
HSI SITE NUMBER 10612
PROJECT NO. 02.20140272.00

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HISTORICAL SOIL EXCAVATION AREAS 2001-2009

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	RJT	MAY 2017	8

FILENAME: S:\Premier\Projects\Clients\Rollins\Dettelbach Pesticide Warehouse\VRP Application\Figures\Site Layout.dwg (Historical Excavation) 05/30/17 15:14 - jwiggins

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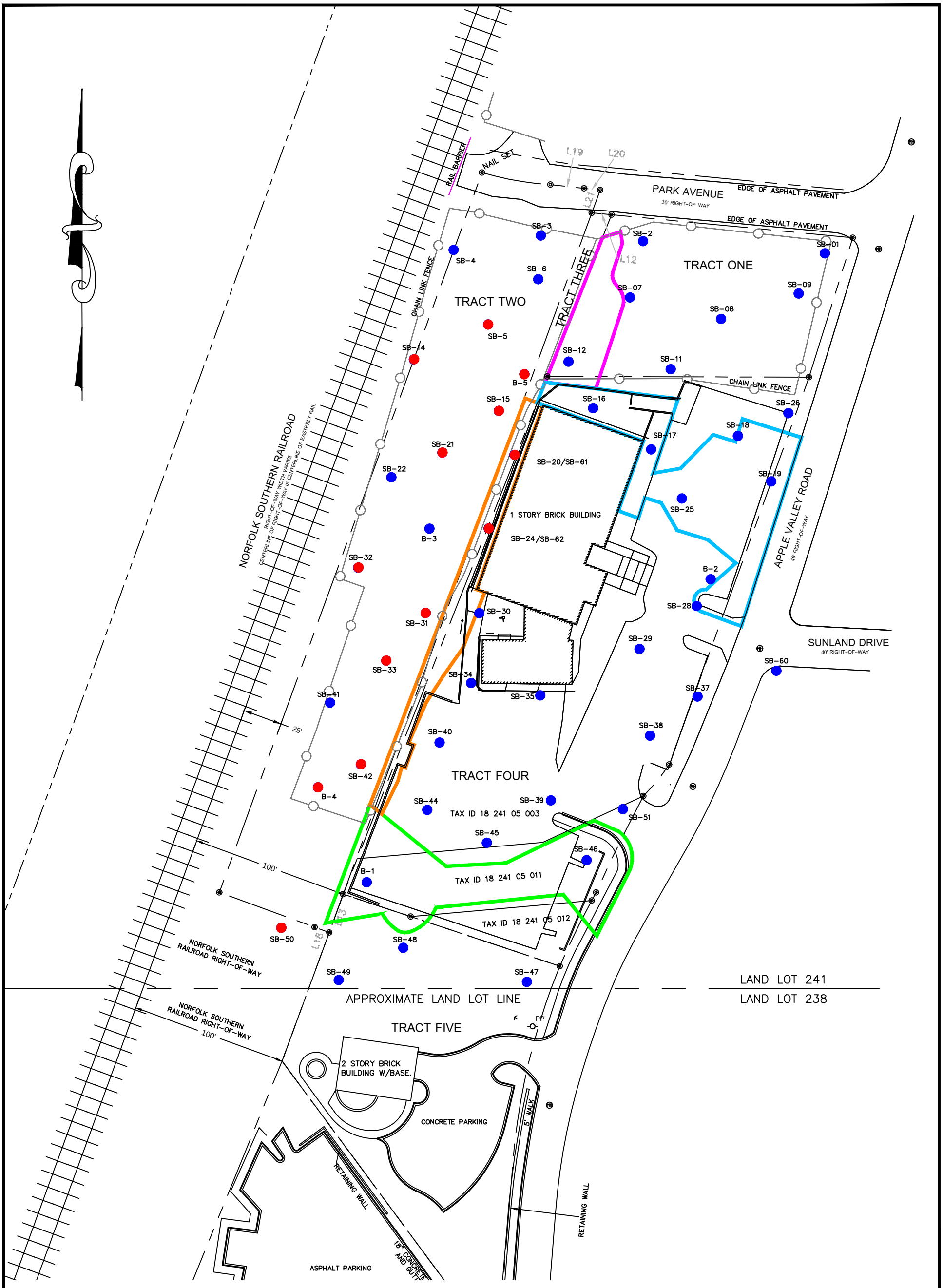

LEGEND

- MAY 2001 EXCAVATION LIMIT
- JULY 2002 EXCAVATION LIMIT
- MARCH-APRIL 2004 EXCAVATION LIMIT
- OCTOBER 2008-JANUARY 2009 EXCAVATION LIMIT

SB-64 SOIL BORING LOCATION – EXCEEDS RRS

SB-47 SOIL BORING LOCATION – DOES NOT EXCEED RRS

0 30 60 120

SCALE IN FEET

SOURCE: LANDMAN INC. dba LAND DEVELOPING CO. BOUNDARY SURVEY (3/27/2014)

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA
DEKALB COUNTY
HSI SITE NUMBER 10612
PROJECT NO. 02.20140272.00

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HISTORICAL EXCAVATION AREAS AND 2014 SOIL BORING LOCATIONS

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	RJT	MAY 2017	9

FILENAME: SITE.dgn,SITE.dwg

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APPENDICES

APPENDIX A

HISTORICAL GROUNDWATER INVESTIGATION

1999 TEMPORARY MONITORING WELL

SAMPLING RESULTS AND SAMPLE LOCATION FIGURE

(SOURCE: MATRIX ENGINEERING AS REPORTED BY CRA, 2001)

TABLE 3.9
ANALYTICAL DATA SUMMARY -- ORGANOCHLORINE PESTICIDES IN GROUNDWATER
DETTELBACH WAREHOUSE SITE
ATLANTA, GEORGIA

		Map Location/Temporary Well ID:	MW1	MW2
		Consulting Firm:	*MATRIX*	*MATRIX*
		Sample ID:	*MW1*	*MW2*
		Sample Date:	*3/29/1999*	*3/29/1999*
Parameter	*Units*	*HSRA Type 1 RRS*		
Organochlorine Pesticides				
4,4-DDD	mg/L	0.0001	0.0001 U	0.0001 U
4,4-DDE	mg/L	0.0001	0.0001 U	0.0001 U
4,4-DDT	mg/L	0.0001	0.0001 U	0.0001 U
Aldrin	mg/L	0.00002 (a)	0.00005 U	0.00005 U
alpha-BHC	mg/L	0.000006 (a)	0.00005 U	0.00005 U
alpha-Chlordane	mg/L	0.002	0.00005 U	0.00005 U
beta-BHC	mg/L	0.00002 (a)	0.00005 U	0.00005 U
delta-BHC	mg/L	see lindane*	0.00005 U	0.00005 U
Dieldrin	mg/L	0.00002 (a)	0.0001 U	0.0001 U
Endosulfan I	mg/L	0.002	0.00005 U	0.00005 U
Endosulfan II	mg/L	0.002	0.0001 U	0.0001 U
Endosulfan sulfate	mg/L	0.002	0.0001 U	0.0001 U
Endrin aldehyde	mg/L	see endrin*	0.0001 U	0.0001 U
Endrin ketone	mg/L	see endrin*	0.0001 U	0.0001 U
Endrin	mg/L	0.002	0.0001 U	0.0001 U
gamma-BHC (Lindane)	mg/L	0.0002	0.00005 U	0.00005 U
gamma-Chlordane	mg/L	0.002	0.00005 U	0.00005 U
Heptachlor epoxide	mg/L	0.0002	0.00005 U	0.00005 U
Heptachlor	mg/L	0.0004	0.00005 U	0.00005 U
Methoxychlor	mg/L	0.04	0.00051 U	0.00052 U
Toxaphene	mg/L	0.003	0.0051 U	0.0052 U

Notes:

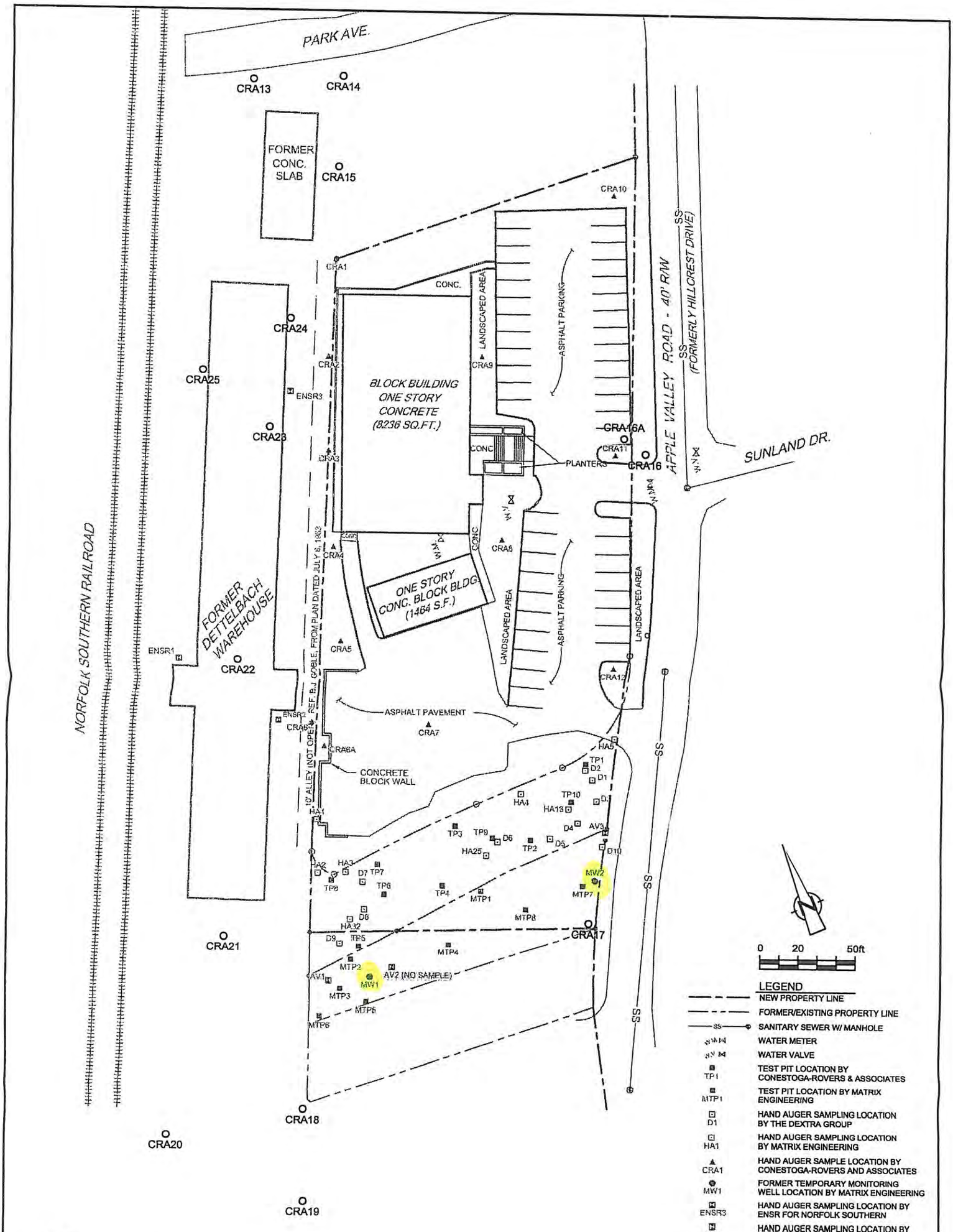
HSRA Type 1 RRS [& 3] -- target concentrations for the groundwater protection criteria in the Georgia Rules for Hazardous Site Response, Rule 391-3-19-.07(6) [and (8)].

(a) -- because the health-based drinking water criterion is lower than the lowest achievable PQL, the actual detection limit or background is the promulgated RRS criterion.

* -- the value for this form of the substance is not established; the substance referenced is proposed as a surrogate.

U -- substance was not detected at the detection limit concentration given.

mg/L -- milligrams per liter (parts per million)



NOTES

1. ALL OVERHEAD POWERLINES AND COMMUNICATION LINES ARE NOT SHOWN FOR CLARITY
2. PLAN SOURCE: PT&B ENGINEERING, INC. LITHIA SPRINGS, GA.

figure 3.5

LOCATIONS OF CSR SOIL SAMPLES
FORMER DETTELBACH WAREHOUSE SITE
Atlanta (Brookhaven), Georgia

15830-00(004)GN-AT008 NOV 30/2001

MONITORING WELL INSTALLATION AND GROUNDWATER SAMPLING

DRAFT REPORT AND LABORATORY DATA SHEETS

JULY 8, 2009, CRA

CONESTOGA-ROVERS
& ASSOCIATES

1412 Oakbrook Drive, Suite #180. Norcross, GA 30093
Telephone: (770) 441-0027 Fax: (770) 441-2050
www.CRAworld.com

DRAFT FOR REVIEW

July 8, 2009 Reference No. 015830

Mr. David Reuland
Department of Natural Resources
Hazardous Sites Response Program
2 Martin Luther King Jr. Drive, SE, Suite 1462 East
Atlanta, Georgia 30334

Dear Mr. Reuland:

RE: Monitoring Well Installation and Groundwater Sampling
Apple Valley Associates (AVA) Property
Atlanta, Georgia
HSI #10612

Conestoga-Rovers & Associates (CRA) completed installation and sampling of a monitoring well at the Apple Valley Associates (AVA) Property, which is located at 2600 Apple Valley Road, Atlanta, Georgia (Property or Site). The purpose of the monitoring well installation and groundwater sampling was to characterize groundwater beneath the Site.

1.0 MONITORING WELL LOCATION

Monitoring well, MW-1, is located north of the one story block building approximately 15 feet north from the foundation of the building. A Site location map is provided as Figure 1 and the location of the monitoring well is shown on Figure 2.

2.0 MONITORING WELL INSTALLATION

Atlas Geo Sampling (Atlas) of Marietta, Georgia, installed the monitoring well on May 9, 2009 under the direction of a CRA geologist, using the hollow stem auger (HSA) drilling method. The monitoring well was installed in general accordance with the Environmental Protection Authority (EPA) *Region IV Field Branches Quality System and Technical Procedures* dated February 2008. Soil samples were collected during drilling using direct push technology (DPT) for description of the soil stratigraphy. Each 2-foot interval of soil was screened for the presence of volatile organic constituents using a properly calibrated organic vapor analyzer equipped with a photoionization detector (PID). None of the soil samples screened showed the presence of volatile organic compounds. The results of field screening and soil descriptions are shown on the monitoring well log that is included as Attachment A. Soil cuttings generated during drilling were placed into 55-gallon drums and staged on the Dettelbach property. The well was installed

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ENGINEERING DESIGN

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in an area of prior soil excavation. Soils encountered included imported fill overlying native that met the Type 1 Risk Reduction Standards (RRS) (reported under separate cover).

Once groundwater was encountered, the soil boring was advanced for an additional 8 feet and terminated at 35 feet below ground surface (BGS). The monitoring well was constructed using 2-inch diameter PVC using a 15-foot long section of screen with the remainder of the well constructed of solid PVC riser pipe. The annular space around the well was filled with sand to a depth of approximately 2-feet above the top of the screened interval. A 6-foot thick layer of hydrated bentonite pellets was poured in above the sand to create a seal. The remainder of the annular space in the well was filled with a neat cement grout to approximately 0.5 feet below ground surface. The monitoring well was finished with flush mount 8-inch diameter steel bolt down cover within a 2-foot by 2-foot concrete pad. Monitoring well construction details are provided in Attachment A.

The monitoring well was developed by removing eighteen well volumes of groundwater using a proactive/whaler pump approximately sixty-eight hours after well installation. The well development and stabilization forms are provided in Attachment B. The development water was contained in 55-gallon drums and staged at the Dettelbach Site pending receipt of analytical data .

2.1 GROUNDWATER PURGING AND SAMPLING

Depth to water was measured using an electronic water level gauging probe that was pre-cleaned with non-phosphatic soap and distilled water prior to use. The depth to groundwater below the top of casing (TOC) was measured and recorded to a precision of ±0.01 foot.

Prior to sampling, the well was purged using low-flow purging (LFP) techniques in general accordance with the EPA Region IV Field Branches Quality System and Technical Procedures dated February 2008. The LFP technique was performed using a peristaltic pump fitted with new polyethylene tubing prior to use in the well. Field parameters (i.e., pH, conductivity, turbidity, temperature, dissolved oxygen [DO], and oxidation-reduction potential [ORP]) were measured using a flow-through cell. The LFP records are included in Attachment B. Flow rates were monitored, and maintained in order to minimize drawdown of the water column. Stabilization of the screened groundwater was evaluated using the real-time parameter data measured by the flow-through cell and was determined complete when three consecutive sets of parameter measurements were within specific ranges. Upon stabilization of the field parameters, purging was stopped and the groundwater sample collected with the same equipment used for purging.

Field personnel wore disposable gloves during all purging and sampling activities. Groundwater sample from the well was transferred directly into sample containers provided by the laboratory, Analytical Environmental Services, Inc., (AES). All sample containers were sealed, labeled, placed on ice in a cooler and transported with a chain of custody document to the AES laboratory in Atlanta, Georgia. All

DRAFT FOR REVIEW

observations and sampling information collected during sampling activities were recorded in a field book.

Purge water generated from the monitoring well during the event was collected in 5-gallon portable containers and transferred to the 55-gallons drum pending receipt of analytical data.

2.2 GROUNDWATER ANALYTICAL RESULT

The groundwater sample was collected from the monitoring well on June 3, 2009 and was submitted to AES for analyses of Target Compound List (TCL) pesticides.

A summary of the laboratory analytical results for the June 2009 sampling event is presented in Table 1. The complete laboratory data report and a memorandum certifying the data quality for the analytical data are included in Attachment C. None of the TCL pesticides were detected in the groundwater above their detection limit or their respective Type 1 RRS. Dieldrin was reported in the groundwater sample at an estimated value of 0.097 micrograms per Liter (µg/L), below its respective reporting limit of 0.10 µg/L.

3.0 SUMMARY OF FINDINGS

Based on the groundwater sample data, residual pesticides on soils on the Dettelbach Site and those previously in soils on the AVA Property have not impacted the groundwater quality beneath the AVA Property in excess of the Type 1 RRS.

Please contact the undersigned if you have any questions or comments on the above or attached.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

DRAFT FOR REVIEW

Terefe Mazengia, P.G. Robert T. Pyle

TM/PM/01
Encl.

c.c: John Leach
Chet Tisdale

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Dettlebach (AVA Property) PROJECT NO.: 15830

DATE OF WELL DEVELOPMENT: June 1, 2009

DEVELOPMENT CREW MEMBERS: T. Mazengia

PURGING METHOD: Proactive/Whaler pump

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: MW-1

WELL TYPE (diameter/material) 2-inch PVC

MEASURING POINT ELEVATION: TOC

STATIC WATER DEPTH: 17.93 feet ELEVATION:

BOTTOM DEPTH: 34.70 feet ELEVATION:

WATER COLUMN LENGTH: 16.77 feet

SCREENED INTERVAL: 34.7 - 19.7 feet

WELL VOLUME: 2.678 gal

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	1	2	3	4	5	6	7
VOLUME PURGED (volume/total volume):	2.7	5.4	8.1	10.8	13.5	16.2	18.9
FIELD pH:	No reading, Very Silty/muddy					5.5	Silty
DISSOLVED OXYGEN:	No reading, Very Silty/muddy					7.89	Silty
FIELD CONDUCTIVITY:	No reading, Very Silty/muddy					0.355	Silty
CLARITY/TURBIDITY VALUES:	No reading, Very Silty/muddy					-5	Silty
COLOR:	Dark brown/reddish brown					cloudy	Brown
ODOR:	None					None	None
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Dettlebach (AVA Property) PROJECT NO.: 15830

DATE OF WELL DEVELOPMENT: June 1, 2009

DEVELOPMENT CREW MEMBERS: T. Mazengia

PURGING METHOD: Proactive/Whaler pump

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: MW-1

WELL TYPE (diameter/material) 2-inch PVC

MEASURING POINT ELEVATION: TOC

STATIC WATER DEPTH: 17.93 feet ELEVATION:

BOTTOM DEPTH: 34.70 feet ELEVATION:

WATER COLUMN LENGTH: 16.77 feet

SCREENED INTERVAL: 34.7 – 19.7 feet

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Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

UNITS	*8*	*9*	*10*	*11*	*12*	*13*
VOLUME PURGED (volume/total volume):	21.6	24.3	27	29.7	32.4	35.1
FIELD pH: —	Silty	5.75	5.71	5.66	5.51	5.87
DISSOLVED OXYGEN: —	Silty	7.88	7.62	6.41	5.97	7.08
FIELD CONDUCTIVITY: ---	Silty	0.368	0.382	0.363	0.349	0.361
CLARITY/TURBIDITY VALUES: ---	Silty	284	-5	-5	-5	282
COLOR: ---	turbid	Cloudy	Turbid	Turbid	Turbid	Cloudy
ODOR: —	none	none	none	none	none	none
COMMENTS:	Well dried after the 10th volume					

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Dettlebach (AVA Property) PROJECT NO.: 15830

DATE OF WELL DEVELOPMENT: June 1, 2009

DEVELOPMENT CREW MEMBERS: T. Mazengia

PURGING METHOD: Proactive/Whaler pump

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: MW-1

WELL TYPE (diameter/material) 2-inch PVC

MEASURING POINT ELEVATION: TOC

STATIC WATER DEPTH: 17.93 feet ELEVATION:

BOTTOM DEPTH: 34.70 feet ELEVATION:

WATER COLUMN LENGTH: 16.77 feet

SCREENED INTERVAL: 34.7 – 19.7 feet

WELL VOLUME: 2.678 gal

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*14*	*15*	*16*	*17*	*18*	
VOLUME PURGED (volume/total volume):		37.8	40.5	43.2	45.9	48.6	
FIELD pH:	—	5.76	5.69	5.56	5.74	5.61	
DISSOLVED OXYGEN:	—	7.03	6.25	6.18	9.09	8.22	
FIELD CONDUCTIVITY:	—	0.380	0.363	0.343	0.372	0.385	
CLARITY/TURBIDITY VALUES:	—	-5	-5	-5	75.4	70.2	
COLOR:	—	turbid	turbid	cloudy	clear	clear	
ODOR:	—	none	none	none	none	none	
COMMENTS:							

COPIES TO:

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 12, 2009

Bob Pyle
Conestoga, Rovers, & Associates, Inc.
1412 Oakbrook Dr
Norcross GA 30093

TEL: (770) 441-0027
FAX: (770) 441-2050

RE: Dettlebach

Dear Bob Pyle: Order No: 0906289

Analytical Environmental Services, Inc. received 1 samples on June 3, 2009 11:15 am for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/08-06/30/09.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 08/01/09.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

CRKanhai

Chantelle Kanhai
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 0906289

Date: 6/3/09 Page 1 of 1

Page 2 of

COMPANY: CRA

ADDRESS: 1412 Oakbrook Dr

PHONE: 770.441.0027

FAX:

SAMPLED BY: Terefe Mazengia

SIGNATURE: Terefe

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	ANALYSIS REQUESTED: TCL pesticide	PRESERVATION (See codes)	REMARKS	No # of Containers
1	GW-060309-TBM-001	6/3/09	10:35		V	GW	V			2
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Terefe Mazengia	11:15	1:	6/3/09 11:15
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS: See SOW for details

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: Dethlbach

PROJECT #: 15830

SITE ADDRESS: Atlanta, GA

SEND REPORT TO:

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #:_____ PO#:_____

RECEIPT

Total # of Containers: 2

Turnaround Time Request

(X) Standard 5 Business Days

( ) 2 Business Day Rush

( ) Next Business Day Rush

( ) Same Day Rush (auth req.)

( ) Other _____

STATE PROGRAM (if any) _____

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Date: *12-Jun-09*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Lab Order: 0906289
Project: Dettlebach
Lab ID: 0906289-001

Client Sample ID: GW-060309-TBM-001
Collection Date: 6/3/2009 10:35:00 AM
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3510B)**			Analyst: **KDD**	
4,4´-DDD	BRL		0.015	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
4,4´-DDE	BRL		0.016	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
4,4´-DDT	BRL		0.030	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Aldrin	BRL		0.0091	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
alpha-BHC	BRL		0.0066	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
alpha-Chlordane	BRL		0.0069	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
beta-BHC	BRL		0.019	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
delta-BHC	BRL		0.0060	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
Dieldrin	0.097	J	0.016	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Endosulfan I	BRL		0.016	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
Endosulfan II	BRL		0.018	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Endosulfan sulfate	BRL		0.015	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Endrin	BRL		0.016	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Endrin aldehyde	BRL		0.014	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Endrin ketone	BRL		0.065	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
gamma-BHC	BRL		0.0072	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
gamma-Chlordane	BRL		0.012	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
Heptachlor	BRL		0.0085	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
Heptachlor epoxide	BRL		0.011	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
Methoxychlor	BRL		0.055	0.50	ug/L	114053	1	6/5/2009 6:01:00 PM
Toxaphene	BRL		0.26	5.0	ug/L	114053	1	6/5/2009 6:01:00 PM
Surr: Decachlorobiphenyl	86.1		0	17.4-126	%REC	114053	1	6/5/2009 6:01:00 PM
Surr: Tetrachloro-m-xylene	59.5		0	17.6-117	%REC	114053	1	6/5/2009 6:01:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	<	Less than Result value
>	Greater than Result value	B	Analyte detected in the associated Method Blank
E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix
		BRL	Not detected at MDL

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client CRA Work Order Number 0906289

Checklist completed by [signature] 6/3/09
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.8°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by [signature]

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0906289
Project: Dettlebach

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED PESTICIDES, TCL SW8081B

Sample ID: **MB-114053** SampType: **MBLK** Batch ID: **114053** Units: **ug/L** Prep Date: **6/4/2009** RunNo: **149360**
Client ID: TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** Analysis Date: **6/5/2009** SeqNo: **3070468**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	BRL	0.10	0	0	0	0	0	0	0		
4,4´-DDE	BRL	0.10	0	0	0	0	0	0	0		
4,4´-DDT	BRL	0.10	0	0	0	0	0	0	0		
Aldrin	BRL	0.050	0	0	0	0	0	0	0		
alpha-BHC	BRL	0.050	0	0	0	0	0	0	0		
alpha-Chlordane	BRL	0.050	0	0	0	0	0	0	0		
beta-BHC	BRL	0.050	0	0	0	0	0	0	0		
delta-BHC	BRL	0.050	0	0	0	0	0	0	0		
Dieldrin	BRL	0.10	0	0	0	0	0	0	0		
Endosulfan I	BRL	0.050	0	0	0	0	0	0	0		
Endosulfan II	BRL	0.10	0	0	0	0	0	0	0		
Endosulfan sulfate	BRL	0.10	0	0	0	0	0	0	0		
Endrin	BRL	0.10	0	0	0	0	0	0	0		
Endrin aldehyde	BRL	0.10	0	0	0	0	0	0	0		
Endrin ketone	BRL	0.10	0	0	0	0	0	0	0		
gamma-BHC	BRL	0.050	0	0	0	0	0	0	0		
gamma-Chlordane	BRL	0.050	0	0	0	0	0	0	0		
Heptachlor	BRL	0.050	0	0	0	0	0	0	0		
Heptachlor epoxide	BRL	0.050	0	0	0	0	0	0	0		
Methoxychlor	BRL	0.50	0	0	0	0	0	0	0		
Toxaphene	BRL	5.0	0	0	0	0	0	0	0		
Surr: Decachlorobiphenyl	0.4093	0	0.5	0	81.9	17.4	126	0	0		
Surr: Tetrachloro-m-xylene	0.1801	0	0.5	0	36	17.6	117	0	0		

Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0906289
Project: Dettlebach

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED PESTICIDES, TCL SW8081B

Sample ID: **LCS-114053** SampType: **LCS** Batch ID: **114053** Units: **ug/L** Prep Date: **6/4/2009** RunNo: **149360**
Client ID: TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** Analysis Date: **6/5/2009** SeqNo: **3070471**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.958	0.10	1	0	95.8	50.2	130	0	0		
Aldrin	0.7594	0.050	1	0	75.9	37.6	126	0	0		
Dieldrin	0.9027	0.10	1	0	90.3	52.8	138	0	0		
Endrin	0.928	0.10	1	0	92.8	44.4	129	0	0		
gamma-BHC	0.8793	0.050	1	0	87.9	44	134	0	0		
Heptachlor	0.7926	0.050	1	0	79.3	46.1	123	0	0		
Surr: Decachlorobiphenyl	0.3028	0	0.5	0	60.6	17.4	126	0	0		
Surr: Tetrachloro-m-xylene	0.3526	0	0.5	0	70.5	17.6	117	0	0		

Sample ID: **0906245-003CMS** SampType: **MS** Batch ID: **114053** Units: **ug/L** Prep Date: **6/4/2009** RunNo: **149360**
Client ID: TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** Analysis Date: **6/5/2009** SeqNo: **3070477**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.9336	0.10	1	0	93.4	23.3	141	0	0		
Aldrin	0.7614	0.050	1	0	76.1	28.4	126	0	0		
Dieldrin	0.9141	0.10	1	0	91.4	38.8	146	0	0		
Endrin	0.923	0.10	1	0	92.3	37.2	140	0	0		
gamma-BHC	0.8729	0.050	1	0	87.3	44.7	132	0	0		
Heptachlor	0.7977	0.050	1	0	79.8	42.4	125	0	0		
Surr: Decachlorobiphenyl	0.3326	0	0.5	0	66.5	17.4	126	0	0		
Surr: Tetrachloro-m-xylene	0.4358	0	0.5	0	87.2	17.6	117	0	0		

Sample ID: **0906245-003CMSD** SampType: **MSD** Batch ID: **114053** Units: **ug/L** Prep Date: **6/4/2009** RunNo: **149360**
Client ID: TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** Analysis Date: **6/5/2009** SeqNo: **3070480**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.9793	0.10	1	0	97.9	23.3	141	0.9336	4.78	23.8	
Aldrin	0.7062	0.050	1	0	70.6	28.4	126	0.7614	7.52	28.4	

Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0906289
Project: Dettlebach

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED PESTICIDES, TCL SW8081B

Sample ID: **0906245-003CMSD**	SampType: **MSD**	Batch ID: **114053**	Units: **ug/L**	Prep Date: **6/4/2009**	RunNo: **149360**
Client ID:	TestCode: **CHLORINATED PESTICIDES, TCL SW8081B**			Analysis Date: **6/5/2009**	SeqNo: **3070480**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	0.9306	0.10	1	0	93.1	38.8	146	0.9141	1.79	22.6	
Endrin	0.9415	0.10	1	0	94.1	37.2	140	0.923	1.98	23.4	
gamma-BHC	0.8111	0.050	1	0	81.1	44.7	132	0.8729	7.34	27.7	
Heptachlor	0.7395	0.050	1	0	74	42.4	125	0.7977	7.57	32.5	
Surr: Decachlorobiphenyl	0.3441	0	0.5	0	68.8	17.4	126	0.3326	0	0	
Surr: Tetrachloro-m-xylene	0.4335	0	0.5	0	86.7	17.6	117	0.4358	0	0	

Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

1999 TEMPORARY MONITORING WELL

SAMPLING RESULTS AND SAMPLE LOCATION FIGURE

(SOURCE: MATRIX ENGINEERING AS REPORTED BY CRA, 2001)

TABLE 3.9
ANALYTICAL DATA SUMMARY -- ORGANOCHLORINE PESTICIDES IN GROUNDWATER
DETTELBACH WAREHOUSE SITE
ATLANTA, GEORGIA

		Map Location/Temporary Well ID:	MW1	MW2
		Consulting Firm:	*MATRIX*	*MATRIX*
		Sample ID:	*MW1*	*MW2*
		Sample Date:	*3/29/1999*	*3/29/1999*
Parameter	*Units*	*HSRA Type 1 RRS*		
Organochlorine Pesticides				
4,4-DDD	mg/L	0.0001	0.0001 U	0.0001 U
4,4-DDE	mg/L	0.0001	0.0001 U	0.0001 U
4,4-DDT	mg/L	0.0001	0.0001 U	0.0001 U
Aldrin	mg/L	0.00002 (a)	0.00005 U	0.00005 U
alpha-BHC	mg/L	0.000006 (a)	0.00005 U	0.00005 U
alpha-Chlordane	mg/L	0.002	0.00005 U	0.00005 U
beta-BHC	mg/L	0.00002 (a)	0.00005 U	0.00005 U
delta-BHC	mg/L	see lindane*	0.00005 U	0.00005 U
Dieldrin	mg/L	0.00002 (a)	0.0001 U	0.0001 U
Endosulfan I	mg/L	0.002	0.00005 U	0.00005 U
Endosulfan II	mg/L	0.002	0.0001 U	0.0001 U
Endosulfan sulfate	mg/L	0.002	0.0001 U	0.0001 U
Endrin aldehyde	mg/L	see endrin*	0.0001 U	0.0001 U
Endrin ketone	mg/L	see endrin*	0.0001 U	0.0001 U
Endrin	mg/L	0.002	0.0001 U	0.0001 U
gamma-BHC (Lindane)	mg/L	0.0002	0.00005 U	0.00005 U
gamma-Chlordane	mg/L	0.002	0.00005 U	0.00005 U
Heptachlor epoxide	mg/L	0.0002	0.00005 U	0.00005 U
Heptachlor	mg/L	0.0004	0.00005 U	0.00005 U
Methoxychlor	mg/L	0.04	0.00051 U	0.00052 U
Toxaphene	mg/L	0.003	0.0051 U	0.0052 U

Notes:

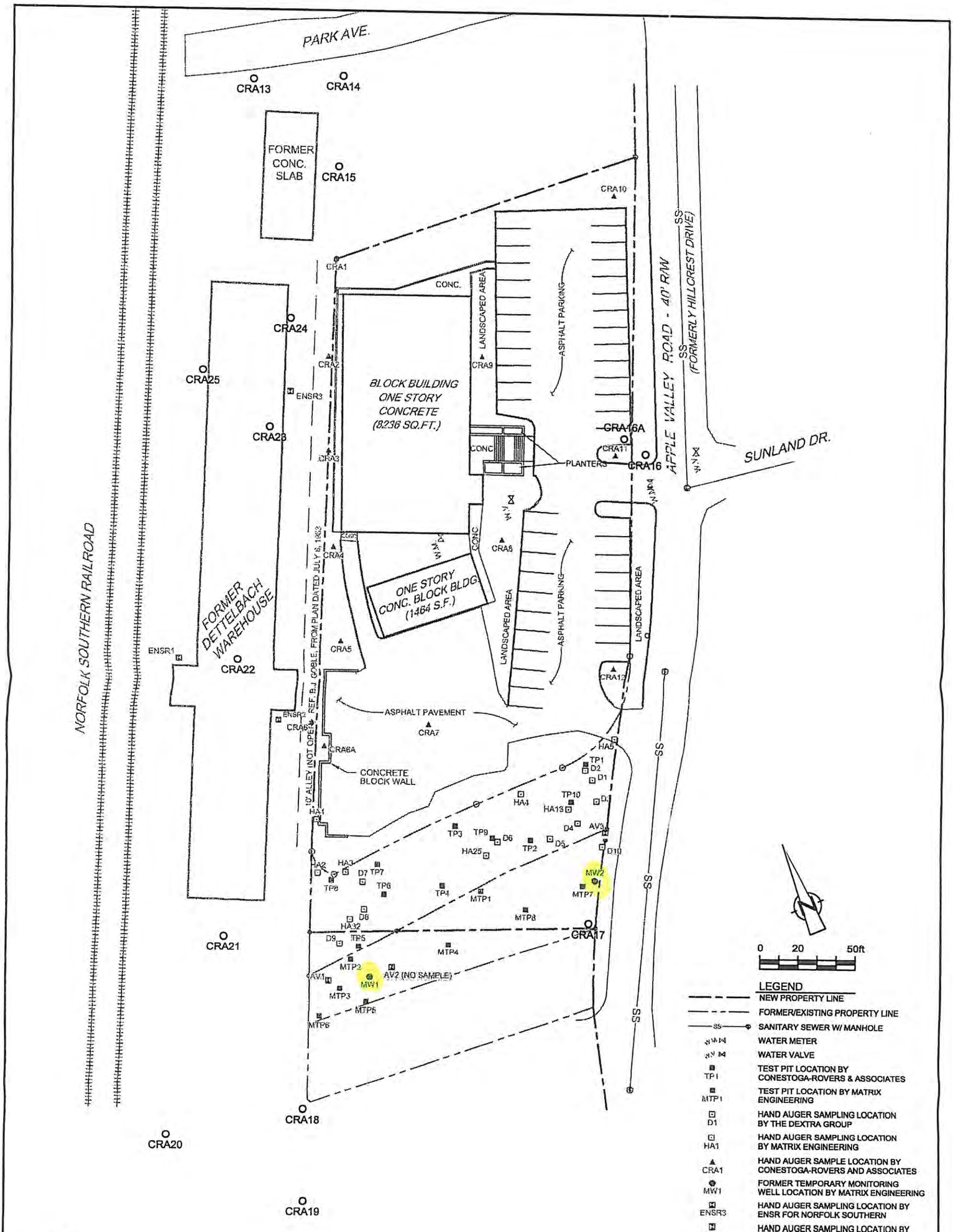
HSRA Type 1 RRS [& 3] -- target concentrations for the groundwater protection criteria in the Georgia Rules for Hazardous Site Response, Rule 391-3-19-.07(6) [and (8)].

(a) -- because the health-based drinking water criterion is lower than the lowest achievable PQL, the actual detection limit or background is the promulgated RRS criterion.

* -- the value for this form of the substance is not established; the substance referenced is proposed as a surrogate.

U -- substance was not detected at the detection limit concentration given.

mg/L -- milligrams per liter (parts per million)



NOTES

1. ALL OVERHEAD POWERLINES AND COMMUNICATION LINES ARE NOT SHOWN FOR CLARITY
2. PLAN SOURCE: PT&B ENGINEERING, INC. LITHIA SPRINGS, GA.

figure 3.5

LOCATIONS OF CSR SOIL SAMPLES
FORMER DETTELBACH WAREHOUSE SITE
Atlanta (Brookhaven), Georgia

15830-00(004)GN-AT008 NOV 30/2001

MONITORING WELL INSTALLATION AND GROUNDWATER SAMPLING

DRAFT REPORT AND LABORATORY DATA SHEETS

JULY 8, 2009, CRA

CONESTOGA-ROVERS
& ASSOCIATES

1412 Oakbrook Drive, Suite #180. Norcross, GA 30093
Telephone: (770) 441-0027 Fax: (770) 441-2050
www.CRAworld.com

DRAFT FOR REVIEW

July 8, 2009 Reference No. 015830

Mr. David Reuland
Department of Natural Resources
Hazardous Sites Response Program
2 Martin Luther King Jr. Drive, SE, Suite 1462 East
Atlanta, Georgia 30334

Dear Mr. Reuland:

RE: Monitoring Well Installation and Groundwater Sampling
Apple Valley Associates (AVA) Property
Atlanta, Georgia
HSI #10612

Conestoga-Rovers & Associates (CRA) completed installation and sampling of a monitoring well at the Apple Valley Associates (AVA) Property, which is located at 2600 Apple Valley Road, Atlanta, Georgia (Property or Site). The purpose of the monitoring well installation and groundwater sampling was to characterize groundwater beneath the Site.

1.0 MONITORING WELL LOCATION

Monitoring well, MW-1, is located north of the one story block building approximately 15 feet north from the foundation of the building. A Site location map is provided as Figure 1 and the location of the monitoring well is shown on Figure 2.

2.0 MONITORING WELL INSTALLATION

Atlas Geo Sampling (Atlas) of Marietta, Georgia, installed the monitoring well on May 9, 2009 under the direction of a CRA geologist, using the hollow stem auger (HSA) drilling method. The monitoring well was installed in general accordance with the Environmental Protection Authority (EPA) *Region IV Field Branches Quality System and Technical Procedures* dated February 2008. Soil samples were collected during drilling using direct push technology (DPT) for description of the soil stratigraphy. Each 2-foot interval of soil was screened for the presence of volatile organic constituents using a properly calibrated organic vapor analyzer equipped with a photoionization detector (PID). None of the soil samples screened showed the presence of volatile organic compounds. The results of field screening and soil descriptions are shown on the monitoring well log that is included as Attachment A. Soil cuttings generated during drilling were placed into 55-gallon drums and staged on the Dettelbach property. The well was installed

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in an area of prior soil excavation. Soils encountered included imported fill overlying native that met the Type 1 Risk Reduction Standards (RRS) (reported under separate cover).

Once groundwater was encountered, the soil boring was advanced for an additional 8 feet and terminated at 35 feet below ground surface (BGS). The monitoring well was constructed using 2-inch diameter PVC using a 15-foot long section of screen with the remainder of the well constructed of solid PVC riser pipe. The annular space around the well was filled with sand to a depth of approximately 2-feet above the top of the screened interval. A 6-foot thick layer of hydrated bentonite pellets was poured in above the sand to create a seal. The remainder of the annular space in the well was filled with a neat cement grout to approximately 0.5 feet below ground surface. The monitoring well was finished with flush mount 8-inch diameter steel bolt down cover within a 2-foot by 2-foot concrete pad. Monitoring well construction details are provided in Attachment A.

The monitoring well was developed by removing eighteen well volumes of groundwater using a proactive/whaler pump approximately sixty-eight hours after well installation. The well development and stabilization forms are provided in Attachment B. The development water was contained in 55-gallon drums and staged at the Dettelbach Site pending receipt of analytical data .

2.1 GROUNDWATER PURGING AND SAMPLING

Depth to water was measured using an electronic water level gauging probe that was pre-cleaned with non-phosphatic soap and distilled water prior to use. The depth to groundwater below the top of casing (TOC) was measured and recorded to a precision of ±0.01 foot.

Prior to sampling, the well was purged using low-flow purging (LFP) techniques in general accordance with the EPA Region IV Field Branches Quality System and Technical Procedures dated February 2008. The LFP technique was performed using a peristaltic pump fitted with new polyethylene tubing prior to use in the well. Field parameters (i.e., pH, conductivity, turbidity, temperature, dissolved oxygen [DO], and oxidation-reduction potential [ORP]) were measured using a flow-through cell. The LFP records are included in Attachment B. Flow rates were monitored, and maintained in order to minimize drawdown of the water column. Stabilization of the screened groundwater was evaluated using the real-time parameter data measured by the flow-through cell and was determined complete when three consecutive sets of parameter measurements were within specific ranges. Upon stabilization of the field parameters, purging was stopped and the groundwater sample collected with the same equipment used for purging.

Field personnel wore disposable gloves during all purging and sampling activities. Groundwater sample from the well was transferred directly into sample containers provided by the laboratory, Analytical Environmental Services, Inc., (AES). All sample containers were sealed, labeled, placed on ice in a cooler and transported with a chain of custody document to the AES laboratory in Atlanta, Georgia. All

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observations and sampling information collected during sampling activities were recorded in a field book.

Purge water generated from the monitoring well during the event was collected in 5-gallon portable containers and transferred to the 55-gallons drum pending receipt of analytical data.

2.2 GROUNDWATER ANALYTICAL RESULT

The groundwater sample was collected from the monitoring well on June 3, 2009 and was submitted to AES for analyses of Target Compound List (TCL) pesticides.

A summary of the laboratory analytical results for the June 2009 sampling event is presented in Table 1. The complete laboratory data report and a memorandum certifying the data quality for the analytical data are included in Attachment C. None of the TCL pesticides were detected in the groundwater above their detection limit or their respective Type 1 RRS. Dieldrin was reported in the groundwater sample at an estimated value of 0.097 micrograms per Liter (µg/L), below its respective reporting limit of 0.10 µg/L.

3.0 SUMMARY OF FINDINGS

Based on the groundwater sample data, residual pesticides on soils on the Dettelbach Site and those previously in soils on the AVA Property have not impacted the groundwater quality beneath the AVA Property in excess of the Type 1 RRS.

Please contact the undersigned if you have any questions or comments on the above or attached.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

DRAFT FOR REVIEW

Terefe Mazengia, P.G. Robert T. Pyle

TM/PM/01
Encl.

c.c: John Leach
Chet Tisdale

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Dettlebach (AVA Property) PROJECT NO.: 15830

DATE OF WELL DEVELOPMENT: June 1, 2009

DEVELOPMENT CREW MEMBERS: T. Mazengia

PURGING METHOD: Proactive/Whaler pump

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: MW-1

WELL TYPE (diameter/material) 2-inch PVC

MEASURING POINT ELEVATION: TOC

STATIC WATER DEPTH: 17.93 feet ELEVATION:

BOTTOM DEPTH: 34.70 feet ELEVATION:

WATER COLUMN LENGTH: 16.77 feet

SCREENED INTERVAL: 34.7 - 19.7 feet

WELL VOLUME: 2.678 gal

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	1	2	3	4	5	6	7
VOLUME PURGED (volume/total volume):	2.7	5.4	8.1	10.8	13.5	16.2	18.9
FIELD pH:	No reading, Very Silty/muddy					5.5	Silty
DISSOLVED OXYGEN:	No reading, Very Silty/muddy					7.89	Silty
FIELD CONDUCTIVITY:	No reading, Very Silty/muddy					0.355	Silty
CLARITY/TURBIDITY VALUES:	No reading, Very Silty/muddy					-5	Silty
COLOR:	Dark brown/reddish brown					cloudy	Brown
ODOR:	None					None	None
COMMENTS:							

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Dettlebach (AVA Property) PROJECT NO.: 15830

DATE OF WELL DEVELOPMENT: June 1, 2009

DEVELOPMENT CREW MEMBERS: T. Mazengia

PURGING METHOD: Proactive/Whaler pump

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: MW-1

WELL TYPE (diameter/material) 2-inch PVC

MEASURING POINT ELEVATION: TOC

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SCREENED INTERVAL: 34.7 – 19.7 feet

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1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

UNITS	*8*	*9*	*10*	*11*	*12*	*13*
VOLUME PURGED (volume/total volume):	21.6	24.3	27	29.7	32.4	35.1
FIELD pH: —	Silty	5.75	5.71	5.66	5.51	5.87
DISSOLVED OXYGEN: —	Silty	7.88	7.62	6.41	5.97	7.08
FIELD CONDUCTIVITY: ---	Silty	0.368	0.382	0.363	0.349	0.361
CLARITY/TURBIDITY VALUES: ---	Silty	284	-5	-5	-5	282
COLOR: ---	turbid	Cloudy	Turbid	Turbid	Turbid	Cloudy
ODOR: —	none	none	none	none	none	none
COMMENTS:	Well dried after the 10th volume					

COPIES TO:

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Dettlebach (AVA Property) PROJECT NO.: 15830

DATE OF WELL DEVELOPMENT: June 1, 2009

DEVELOPMENT CREW MEMBERS: T. Mazengia

PURGING METHOD: Proactive/Whaler pump

SAMPLE NO.:

SAMPLE TIME:

WELL INFORMATION

WELL NUMBER: MW-1

WELL TYPE (diameter/material) 2-inch PVC

MEASURING POINT ELEVATION: TOC

STATIC WATER DEPTH: 17.93 feet ELEVATION:

BOTTOM DEPTH: 34.70 feet ELEVATION:

WATER COLUMN LENGTH: 16.77 feet

SCREENED INTERVAL: 34.7 – 19.7 feet

WELL VOLUME: 2.678 gal

Note: For 1-inch diameter well: 1 foot = 0.04 US gallons
1 meter = 0.5 liters
For 2-inch diameter well: 1 foot = 0.16 US gallons
1 meter = 2 liters
For 4-inch diameter well: 1 foot = 0.70 US gallons
1 meter = 8.2 liters

	UNITS	*14*	*15*	*16*	*17*	*18*	
VOLUME PURGED (volume/total volume):		37.8	40.5	43.2	45.9	48.6	
FIELD pH:	—	5.76	5.69	5.56	5.74	5.61	
DISSOLVED OXYGEN:	—	7.03	6.25	6.18	9.09	8.22	
FIELD CONDUCTIVITY:	—	0.380	0.363	0.343	0.372	0.385	
CLARITY/TURBIDITY VALUES:	—	-5	-5	-5	75.4	70.2	
COLOR:	—	turbid	turbid	cloudy	clear	clear	
ODOR:	—	none	none	none	none	none	
COMMENTS:							

COPIES TO:

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 12, 2009

Bob Pyle
Conestoga, Rovers, & Associates, Inc.
1412 Oakbrook Dr
Norcross GA 30093

TEL: (770) 441-0027
FAX: (770) 441-2050

RE: Dettlebach

Dear Bob Pyle: Order No: 0906289

Analytical Environmental Services, Inc. received 1 samples on June 3, 2009 11:15 am for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/08-06/30/09.
-AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 08/01/09.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

CRKanhai

Chantelle Kanhai
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 0906289

Date: 6/3/09 Page 1 of 1

Page 2 of

COMPANY: CRA

ADDRESS: 1412 Oakbrook Dr

PHONE: 770.441.0027

FAX:

SAMPLED BY: Terefe Mazengia

SIGNATURE: Terefe

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	ANALYSIS REQUESTED: TCL pesticide	PRESERVATION (See codes)	REMARKS	No # of Containers
1	GW-060309-TBM-001	6/3/09	10:35		V	GW	V			2
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Terefe Mazengia	11:15	1:	6/3/09 11:15
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS: See SOW for details

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: Dethlbach

PROJECT #: 15830

SITE ADDRESS: Atlanta, GA

SEND REPORT TO:

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #:_____ PO#:_____

RECEIPT

Total # of Containers: 2

Turnaround Time Request

(X) Standard 5 Business Days

( ) 2 Business Day Rush

( ) Next Business Day Rush

( ) Same Day Rush (auth req.)

( ) Other _____

STATE PROGRAM (if any) _____

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Date: *12-Jun-09*

CLIENT: Conestoga, Rovers, & Associates, Inc.
Lab Order: 0906289
Project: Dettlebach
Lab ID: 0906289-001

Client Sample ID: GW-060309-TBM-001
Collection Date: 6/3/2009 10:35:00 AM
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Rpt. Limit	Units	BatchID	DF	Date Analyzed
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3510B)**			Analyst: **KDD**	
4,4´-DDD	BRL		0.015	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
4,4´-DDE	BRL		0.016	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
4,4´-DDT	BRL		0.030	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Aldrin	BRL		0.0091	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
alpha-BHC	BRL		0.0066	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
alpha-Chlordane	BRL		0.0069	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
beta-BHC	BRL		0.019	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
delta-BHC	BRL		0.0060	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
Dieldrin	0.097	J	0.016	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Endosulfan I	BRL		0.016	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
Endosulfan II	BRL		0.018	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Endosulfan sulfate	BRL		0.015	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Endrin	BRL		0.016	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Endrin aldehyde	BRL		0.014	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
Endrin ketone	BRL		0.065	0.10	ug/L	114053	1	6/5/2009 6:01:00 PM
gamma-BHC	BRL		0.0072	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
gamma-Chlordane	BRL		0.012	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
Heptachlor	BRL		0.0085	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
Heptachlor epoxide	BRL		0.011	0.050	ug/L	114053	1	6/5/2009 6:01:00 PM
Methoxychlor	BRL		0.055	0.50	ug/L	114053	1	6/5/2009 6:01:00 PM
Toxaphene	BRL		0.26	5.0	ug/L	114053	1	6/5/2009 6:01:00 PM
Surr: Decachlorobiphenyl	86.1		0	17.4-126	%REC	114053	1	6/5/2009 6:01:00 PM
Surr: Tetrachloro-m-xylene	59.5		0	17.6-117	%REC	114053	1	6/5/2009 6:01:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	<	Less than Result value
>	Greater than Result value	B	Analyte detected in the associated Method Blank
E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix
		BRL	Not detected at MDL

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client CRA Work Order Number 0906289

Checklist completed by [signature] 6/3/09
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 3.8°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by [signature]

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0906289
Project: Dettlebach

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED PESTICIDES, TCL SW8081B

Sample ID: **MB-114053** SampType: **MBLK** Batch ID: **114053** Units: **ug/L** Prep Date: **6/4/2009** RunNo: **149360**
Client ID: TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** Analysis Date: **6/5/2009** SeqNo: **3070468**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	BRL	0.10	0	0	0	0	0	0	0		
4,4´-DDE	BRL	0.10	0	0	0	0	0	0	0		
4,4´-DDT	BRL	0.10	0	0	0	0	0	0	0		
Aldrin	BRL	0.050	0	0	0	0	0	0	0		
alpha-BHC	BRL	0.050	0	0	0	0	0	0	0		
alpha-Chlordane	BRL	0.050	0	0	0	0	0	0	0		
beta-BHC	BRL	0.050	0	0	0	0	0	0	0		
delta-BHC	BRL	0.050	0	0	0	0	0	0	0		
Dieldrin	BRL	0.10	0	0	0	0	0	0	0		
Endosulfan I	BRL	0.050	0	0	0	0	0	0	0		
Endosulfan II	BRL	0.10	0	0	0	0	0	0	0		
Endosulfan sulfate	BRL	0.10	0	0	0	0	0	0	0		
Endrin	BRL	0.10	0	0	0	0	0	0	0		
Endrin aldehyde	BRL	0.10	0	0	0	0	0	0	0		
Endrin ketone	BRL	0.10	0	0	0	0	0	0	0		
gamma-BHC	BRL	0.050	0	0	0	0	0	0	0		
gamma-Chlordane	BRL	0.050	0	0	0	0	0	0	0		
Heptachlor	BRL	0.050	0	0	0	0	0	0	0		
Heptachlor epoxide	BRL	0.050	0	0	0	0	0	0	0		
Methoxychlor	BRL	0.50	0	0	0	0	0	0	0		
Toxaphene	BRL	5.0	0	0	0	0	0	0	0		
Surr: Decachlorobiphenyl	0.4093	0	0.5	0	81.9	17.4	126	0	0		
Surr: Tetrachloro-m-xylene	0.1801	0	0.5	0	36	17.6	117	0	0		

Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0906289
Project: Dettlebach

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED PESTICIDES, TCL SW8081B

Sample ID: **LCS-114053** SampType: **LCS** Batch ID: **114053** Units: **ug/L** Prep Date: **6/4/2009** RunNo: **149360**
Client ID: TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** Analysis Date: **6/5/2009** SeqNo: **3070471**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.958	0.10	1	0	95.8	50.2	130	0	0		
Aldrin	0.7594	0.050	1	0	75.9	37.6	126	0	0		
Dieldrin	0.9027	0.10	1	0	90.3	52.8	138	0	0		
Endrin	0.928	0.10	1	0	92.8	44.4	129	0	0		
gamma-BHC	0.8793	0.050	1	0	87.9	44	134	0	0		
Heptachlor	0.7926	0.050	1	0	79.3	46.1	123	0	0		
Surr: Decachlorobiphenyl	0.3028	0	0.5	0	60.6	17.4	126	0	0		
Surr: Tetrachloro-m-xylene	0.3526	0	0.5	0	70.5	17.6	117	0	0		

Sample ID: **0906245-003CMS** SampType: **MS** Batch ID: **114053** Units: **ug/L** Prep Date: **6/4/2009** RunNo: **149360**
Client ID: TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** Analysis Date: **6/5/2009** SeqNo: **3070477**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.9336	0.10	1	0	93.4	23.3	141	0	0		
Aldrin	0.7614	0.050	1	0	76.1	28.4	126	0	0		
Dieldrin	0.9141	0.10	1	0	91.4	38.8	146	0	0		
Endrin	0.923	0.10	1	0	92.3	37.2	140	0	0		
gamma-BHC	0.8729	0.050	1	0	87.3	44.7	132	0	0		
Heptachlor	0.7977	0.050	1	0	79.8	42.4	125	0	0		
Surr: Decachlorobiphenyl	0.3326	0	0.5	0	66.5	17.4	126	0	0		
Surr: Tetrachloro-m-xylene	0.4358	0	0.5	0	87.2	17.6	117	0	0		

Sample ID: **0906245-003CMSD** SampType: **MSD** Batch ID: **114053** Units: **ug/L** Prep Date: **6/4/2009** RunNo: **149360**
Client ID: TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** Analysis Date: **6/5/2009** SeqNo: **3070480**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.9793	0.10	1	0	97.9	23.3	141	0.9336	4.78	23.8	
Aldrin	0.7062	0.050	1	0	70.6	28.4	126	0.7614	7.52	28.4	

Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

CLIENT: Conestoga, Rovers, & Associates, Inc.
Work Order: 0906289
Project: Dettlebach

ANALYTICAL QC SUMMARY REPORT

TestCode: CHLORINATED PESTICIDES, TCL SW8081B

Sample ID: **0906245-003CMSD**	SampType: **MSD**	Batch ID: **114053**	Units: **ug/L**	Prep Date: **6/4/2009**	RunNo: **149360**
Client ID:	TestCode: **CHLORINATED PESTICIDES, TCL SW8081B**			Analysis Date: **6/5/2009**	SeqNo: **3070480**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	0.9306	0.10	1	0	93.1	38.8	146	0.9141	1.79	22.6	
Endrin	0.9415	0.10	1	0	94.1	37.2	140	0.923	1.98	23.4	
gamma-BHC	0.8111	0.050	1	0	81.1	44.7	132	0.8729	7.34	27.7	
Heptachlor	0.7395	0.050	1	0	74	42.4	125	0.7977	7.57	32.5	
Surr: Decachlorobiphenyl	0.3441	0	0.5	0	68.8	17.4	126	0.3326	0	0	
Surr: Tetrachloro-m-xylene	0.4335	0	0.5	0	86.7	17.6	117	0.4358	0	0	

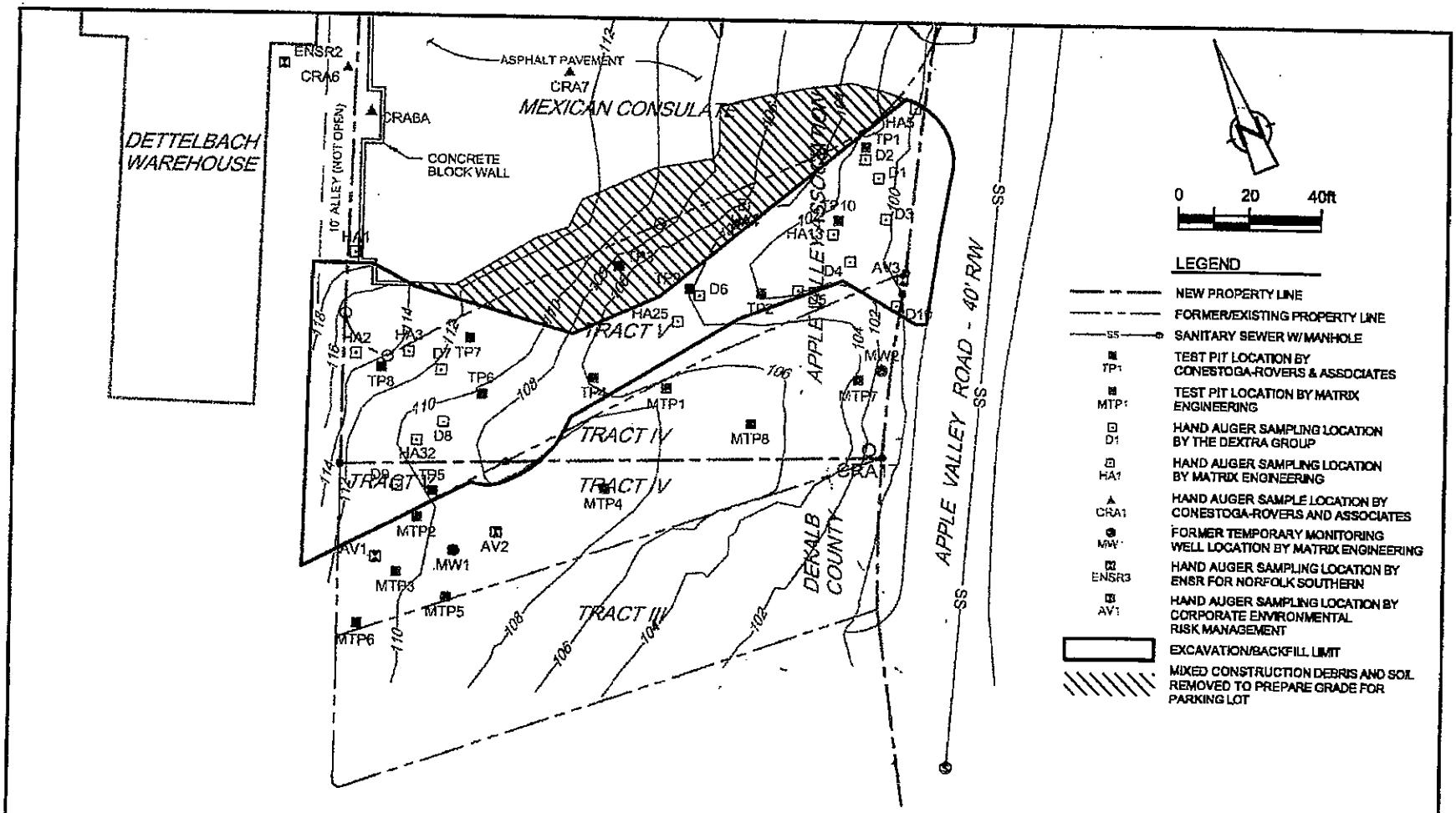
Qualifiers:

<	Less than Result value	>	Greater than Result value	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Estimated value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX B

2001 SOIL EXCAVATION FIGURES AND CONFIRMATORY SAMPLE DATA SUMMARY, COMPLIANCE STATUS REPORT, DECEMBER 2001

- **Figure 3.2 – Horizontal Limits of Soil Removal**
- **Figure 3.3 – Soil Removal Confirmatory Sample Locations**
- **Table 3.6 – Analytical Data Summary – Confirmatory Soil Samples**



NOTES

1. ALL OVERHEAD POWERLINES AND COMMUNICATION LINES ARE NOT SHOWN FOR CLARITY
2. PLAN SOURCE: PT&B ENGINEERING, INC. LITHIA SPRINGS, GA.

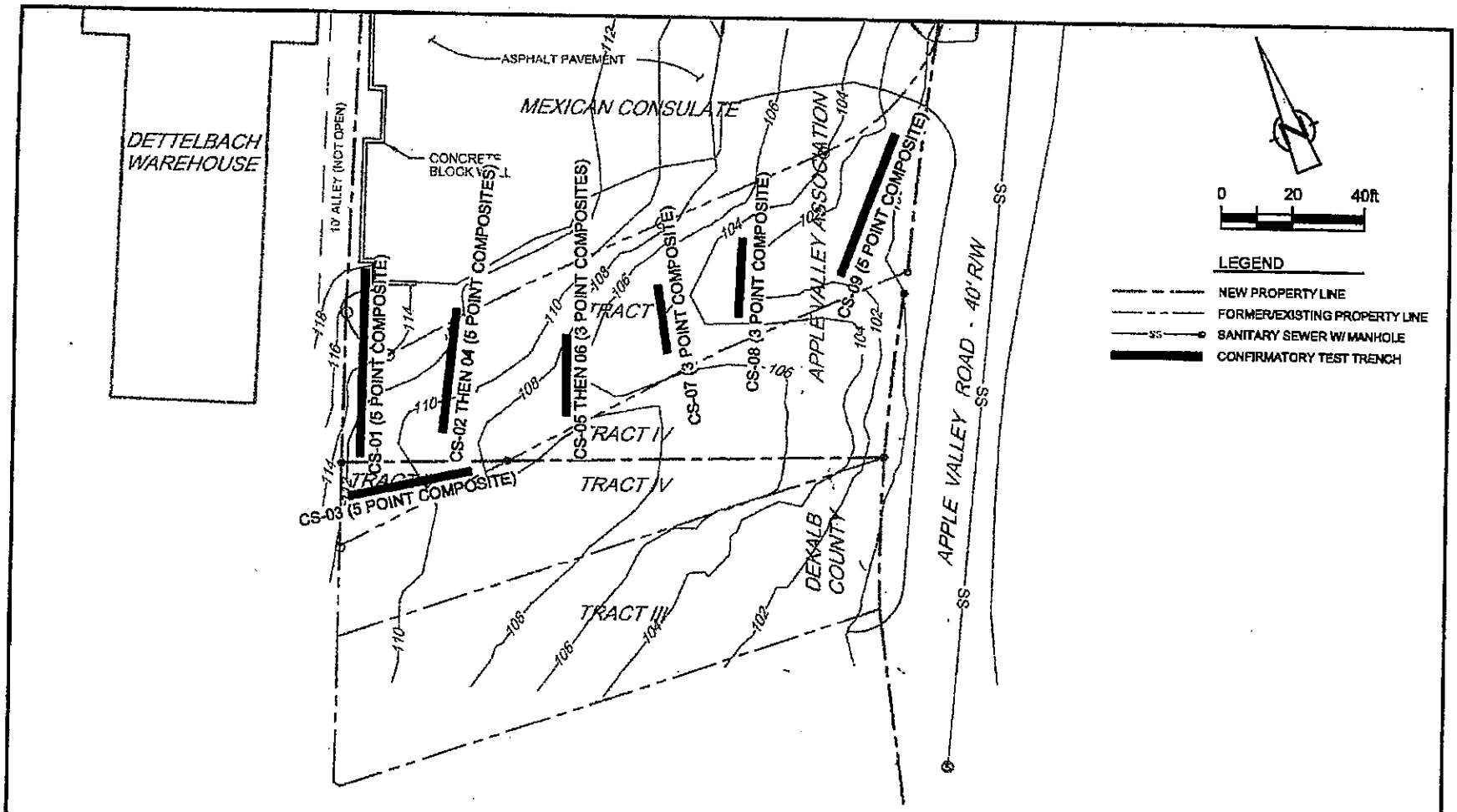
figure 3.2

HORIZONTAL LIMITS OF SOIL REMOVAL

FORMER DETTELBACH WAREHOUSE SITE

Atlanta (Brookhaven), Georgia

15830-00(004)GN-AT006 JAN 14/2004



NOTES

1. ALL OVERHEAD POWERLINES AND COMMUNICATION LINES ARE NOT SHOWN FOR CLARITY
2. PLAN SOURCE: PT&B ENGINEERING, INC. LITHIA SPRINGS, GA.

figure 3.3

SOIL REMOVAL CONFIRMATORY SAMPLE LOCATIONS
FORMER DETTELBACH WAREHOUSE SITE
Atlanta (Brookhaven), Georgia

15830-00(004)GN-AT007 JAN 14/2004

TABLE 3.6
ANALYTICAL DATA SUMMARY – CONFIRMATORY SOIL SAMPLES
DEITELBACH WAREHOUSE SITE
ATLANTA, GEORGIA

Sample Location ID:			CS-01	CS-02	CS-03	CS-04	CS-04	CS-05	CS-06	CS-06	CS-07	CS-07	CS-08	CS-08	CS-09	CS-09
Sample Identification:			CS-050101-MR-01	CS-050401-MR-02	CS-050701-MR-03	CS-050801-MR-04	CS-050801-MR-04	CS-050801-MR-05	CS-051001-MR-06	CS-051001-MR-06	CS-051001-MR-07	CS-051001-MR-07	CS-051101-MR-08	CS-051101-MR-08	CS-051101-MR-09	CS-051101-MR-09
Laboratory			AES	AES	AES	AES	ACL	AES	AES	ACL	AES	ACL	AES	ACL	AES	ACL
Sample Collection Date:			5/1/01	5/4/01	5/7/01	5/8/01	5/8/01	5/8/01	5/10/01	5/10/01	5/10/01	5/10/01	5/11/01	5/11/01	5/11/01	5/11/01
Organochlorine Pesticides	*Units*	*HSRA Type 1 RRS*														
4,4'-DDD	mg/kg	0.66	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.005	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U
4,4'-DDE	mg/kg	0.66	0.025	0.028	0.02	0.0033 U	0.006	0.031	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U
4,4'-DDT	mg/kg	0.66	0.077	1.7	0.11	0.032	0.047	0.59	0.0033 U	0.005 U	0.016	0.008	0.11	0.027	0.012	0.013
Aldrin	mg/kg	0.66	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.005 U	0.0017 U	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0017 U	0.005 U
Dieldrin	mg/kg	0.66	0.057	0.017	0.15	0.023	0.012	0.11	0.0033 U	0.005 U	0.033	0.034	0.014	0.038	0.0081	0.006
alpha-BHC	mg/kg	0.66	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.005 U	0.0017 U	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0017 U	0.005 U
beta-BHC	mg/kg	0.66	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.005 U	0.0017 U	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0017 U	0.005 U
gamma-BHC	mg/kg	0.66	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U
delta-BHC	mg/kg	0.66	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.005 U	0.0017 U	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0017 U	0.005 U
alpha-Chlordane	mg/kg	9.2	0.25	0.07	0.17	0.11	–	0.2	0.0017 U	–	0.0046	–	0.033	–	0.013	–
gamma-Chlordane	mg/kg	9.2	0.4	0.096	0.23	0.17	–	0.28	0.0017 U	–	0.0068	–	0.056	–	0.025	–
Chlordane	mg/kg	9.2	–	–	–	–	0.17	–	–	0.010 U	–	0.066	–	0.548	–	0.065
Endosulfan I	mg/kg	10	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.005 U	0.0017 U	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0017 U	0.005 U
Endosulfan II	mg/kg	10	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U
Endosulfan sulfate	mg/kg	1.65	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U
Endrin	mg/kg	10	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U
Endrin aldehyde	mg/kg	10	0.0033 U	0.0033 U	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U	0.0033 U	0.005 U
Endrin ketone	mg/kg	10	0.0033 U	0.0033 U	0.0033 U	0.0033 U	–	0.0033 U	0.0033 U	–	0.0065	–	0.0033 U	–	0.0033 U	–
Heptachlor	mg/kg	0.66	0.012	0.0086	0.021	0.014	0.005 U	0.032	0.0017 U	0.005 U	0.0017 U	0.005 U	0.0045	0.005 U	0.0017 U	0.005 U
Heptachlor Epoxide	mg/kg	1.65	0.041	0.018	0.017	0.069	0.01	0.046	0.0017 U	0.005 U	0.0017 U	0.005 U	0.011	0.024	0.0034	0.005 U
Methoxychlor	mg/kg	10	0.017 U	0.017 U	0.017 U	0.017 U	0.005 U	0.017 U	0.017 U	0.005 U	0.017 U	0.005 U	0.017 U	0.005 U	0.017 U	0.005 U
Toxaphene	mg/kg	10.88	0.17 U	0.17 U	0.17 U	0.17 U	0.1 U	0.17 U	0.17 U	0.1 U	0.17 U	0.1 U	0.17 U	0.1 U	0.17 U	0.1 U

Notes:
– Parameter not reported
0.01 U Parameter not detected at detection limit preceding "U"
9.3 Concentration exceeds Type 1 RRS

APPENDIX C

2002 SOIL EXCAVATION FIGURES AND CONFIRMATORY SAMPLE DATA SUMMARY

- **Figure 1 – Soil Removal Program Area II, Former Dettelbach Warehouse Site**
- **Table 1 – Summary of Detected Compounds, Soil Confirmation Samples, Area II Soil Removal, Former Dettelbach Site**

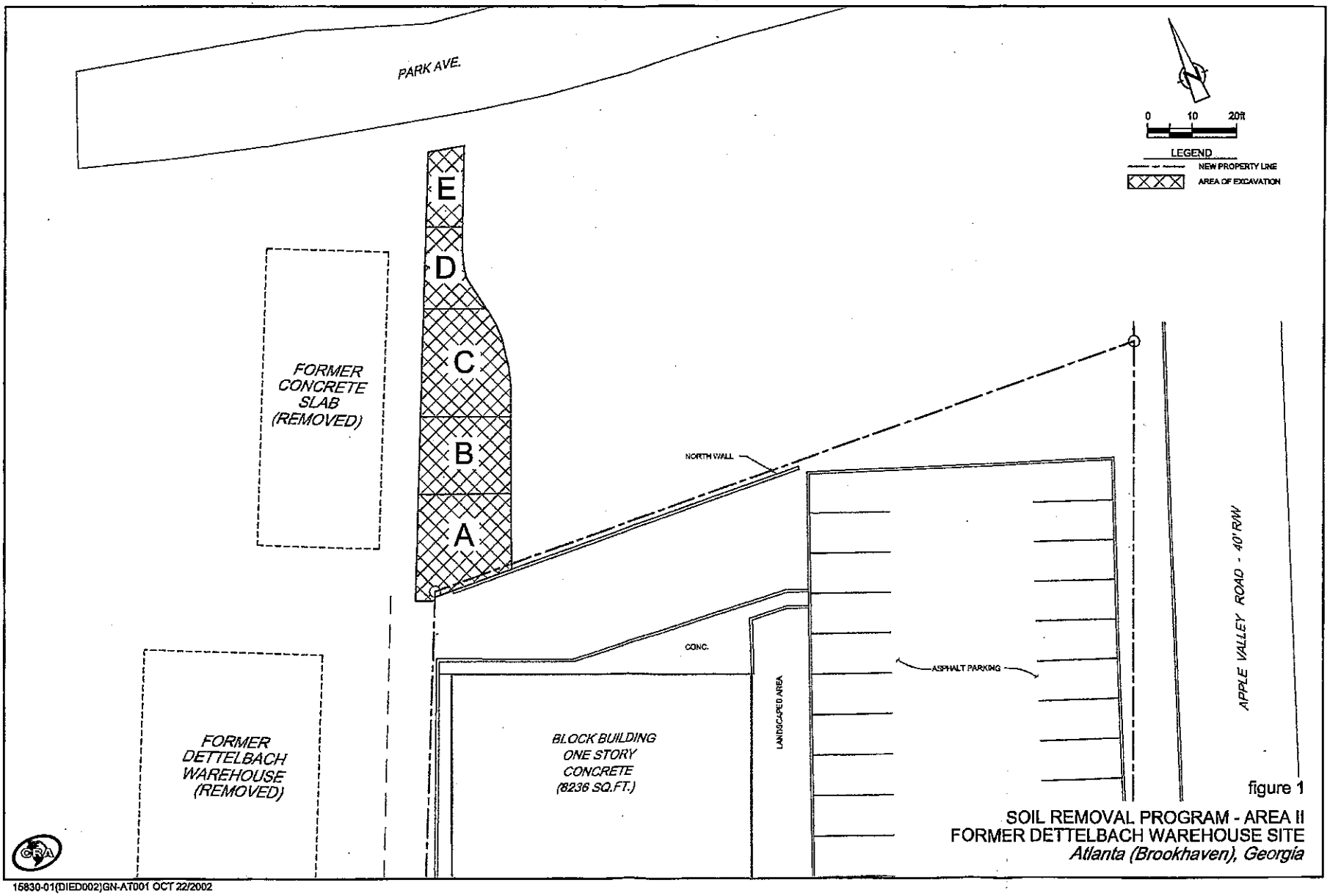


figure 1

SOIL REMOVAL PROGRAM - AREA II
FORMER DETTELBACH WAREHOUSE SITE
Atlanta (Brookhaven), Georgia

15830-01(DIED002)GN-AT001 OCT 22/2002

TABLE 1
SUMMARY OF DETECTED COMPOUNDS
SOIL CONFIRMATION SAMPLES
AREA II SOIL REMOVAL
FORMER DETTELBACH SITE
ATLANTA, GEORGIA

			Map Location [1]:	A				B				C			D	E
				INITIAL SAMPLE [2]		RESAMPLED		INITIAL SAMPLE		RESAMPLED		INITIAL	RESAMPLED			
			Consulting Firm:	CRA	Dextra	CRA	Dextra	CRA	Dextra	CRA	Dextra	CRA	CRA	Dextra	CRA	CRA
			Sample ID:	002	C1	009	C6	003	C2	011	C8	006	010	C7	007	008
			Excavation/Sample Depth [3]:	3'	3'	4'	4'	1'	1'	2'	2'	2'	4'	4'	2'	1'
			Sample Date:	7/17/02	7/17/02	7/20/02	7/20/02	7/17/02	7/17/02	7/20/02	7/20/02	7/18/02	7/20/02	7/20/02	7/18/02	7/18/02
Parameter	*Units*	HSRA *Type 1*														
Aldrin	mg/Kg	0.66		ND [4]	ND	ND	ND	0.043	ND	ND	ND	ND	ND	ND	0.013	ND
Dieldrin	mg/Kg	0.66		0.13	ND	0.0043	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	mg/Kg	0.66		0.43	0.357	ND	ND	0.25	0.375	0.061	0.104	2.3	ND	ND	0.074	0.11
4,4'-DDE	mg/Kg	0.66		ND	0.091	ND	ND	0.12	0.091	0.05	0.083	0.56	ND	ND	ND	0.016
4,4'-DDT	mg/Kg	0.66		0.28	0.17	ND	ND	0.65	0.17	0.064	0.11	0.8	ND	ND	0.11	0.47
delta-BHC	mg/Kg	0.66		0.18	ND	ND	ND	0.02	ND	ND	ND	0.56	ND	ND	0.011	0.015
gama-BHC (Lindane)	mg/Kg	0.66		ND	ND	ND	ND	ND	ND	ND	ND	0.0069	ND	ND	0.0041	ND
alpha-Chlordane	mg/Kg	9.2		1.1	ND	0.0031	ND	0.15	ND	0.034	ND	2.2	ND	ND	0.16	0.12
gamma-Chlordane	mg/Kg	9.2		1.5	ND	0.003	ND	0.078	ND	0.028	ND	2.7	ND	ND	0.15	0.13
Chlordane	mg/Kg	9.2		8.9	8.38	ND	0.028	0.99	ND	ND	0.473	25	ND	ND	0.99	0.67
Heptachlor	mg/Kg	0.66		0.27	0.273	ND	ND	0.017	0.273	ND	ND	0.28	ND	ND	0.03	0.018
Heptachlor epoxide	mg/Kg	1.65		ND	0.152	0.0062	ND	ND	0.152	0.0073	ND	ND	ND	ND	0.027	ND
Methoxychlor	mg/Kg	10		ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND

NOTES:

1- Map Location of Confirmatory Sample as shown on Figure 1.

2- Initial Confirmatory Sample result, area was subsequently over-excavated and resampled.

3- Confirmatory composite sample collected from final excavation depth shown.

4- Analyte not detected (ND).

APPENDIX D

2004 SOIL EXCAVATION FIGURES AND CONFIRMATORY SAMPLE DATA SUMMARY

- **Figure 2 – Soil Removal and Disposal, Western Parcel AVA Property**
- **Table 1 – Soil Sample Key, Dettelbach West Retaining Wall**
- **Table 2 – Analytical Data Summary for Confirmation Samples, Dettelbach West Retaining Wall**

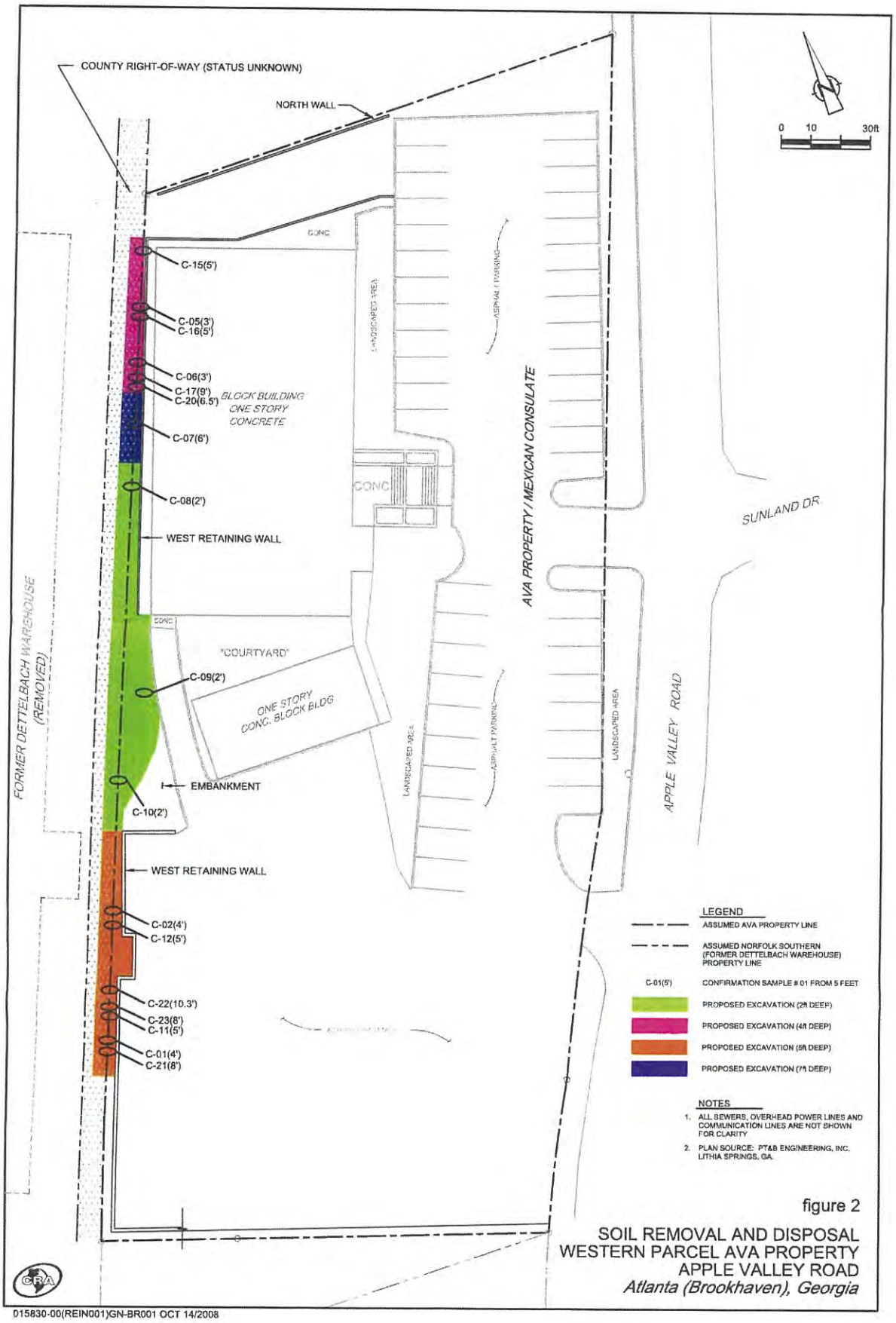


figure 2

SOIL REMOVAL AND DISPOSAL
WESTERN PARCEL AVA PROPERTY
APPLE VALLEY ROAD
Atlanta (Brookhaven), Georgia

015830-00(REIN001)GN-BR001 OCT 14/2008

TABLE 1
SOIL SAMPLE KEY
DETTELBACH-WEST RETAING WALL
ATLANTA, GEORGIA

CONFIRMATION SOIL SAMPLES			
SAMPLE ID	SAMPLE LOCATION	SAMPLE DEPTH (FT)	SAMPLE DATE
C-033104-TBM-01	7 - 15 ft from S end of trench	5.0	3/31/2004
C-033104-TBM-02	50 -58 ft from S end of trench	4.0	3/31/2004
C-040104-TBM-05	24 ft from N end of trench	3.0	4/1/2004
C-040104-TBM-06	40 ft from N end of trench	3.0	4/1/2004
C-040104-TBM-07	64 ft from N end of trench	6.0	4/1/2004
C-040104-TBM-08	86 ft from N end of trench	2.0	4/1/2004
C-040104-TBM-09	143 ft from N end of trench	2.0	4/1/2004
C-040104-TBM-10	180 ft from N end of trench	2.0	4/1/2004
C-040504-TBM-11	17 ft from S end of trench	5.0	4/5/2004
C-040504-TBM-12	50 ft from N end of trench	5.0	4/5/2004
C-040604-TBM-15	5 ft from N end of trench	5.0	4/6/2004
C-040604-TBM-16	25 ft fom N end of trench	5.0	4/6/2004
C-040604-TBM-17	47 ft from N end of trench	9.0	4/6/2004
C-040704-TBM-20	46 ft from N end of trench	6.5 E WALL	4/7/2004
C-040704-TBM-21	10 ft from S end of trench	8.0	4/7/2004
C-040704-TBM-22	25 ft fom S end of trench	10.5	4/7/2004
C-040804-TBM-23	17 ft from S end of trench	8.0 on E WALL	4/8/2004

TABLE 2
ANALYTICAL DATA SUMMARY FOR CONFIRMATION SAMPLES
DETTELBACH- WEST RETAINING WALL
ATLANTA, GEORGIA

SAMPLE ID			C-033104-TBM-01	C-040704-TBM-21	C-033104-TBM-02	C-040504-MTB-12	C-040104-TBM-05
SAMPLE LOCATION (TRENCH)			7-15 ft from S end	10 ft from S end	50-58 ft from S end	50 ft from N end	24 ft from N end
SAMPLE DEPTH			5.0'	8.0'	4.0'	5.0'	3.0'
STATUS			FAILED	PASSED	FAILED	PASSED	FAILED
PESTICIDES	*UNITS*	TYPE 1 RRS					
4,4' - DDD	µg/kg	660	360	28	400	57	<33
4,4' - DDE	µg/kg	660	44	12	70	23	<3.3
4,4' - DDT	µg/kg	660	1,600	340	1,600	180	420
Aldrin	µg/kg	660	4.0	<1.7	<1.7	<1.7	<1.7
alpha - BHC	µg/kg	660	<1.7	<1.7	<1.7	<1.7	<1.7
alpha - Chlordane	µg/kg	9,200	260	21	590	170	7,400
beta -BHC	µg/kg	660	<1.7	<1.7	<1.7	<1.7	24
delta-BHC	µg/kg	660	<1.7	<1.7	<1.7	<1.7	<1.7
Dieldrin	µg/kg	660	78	<3.3	81	<33	820
Endrosulfan I	µg/kg	10,000	<1.7	<1.7	<1.7	<1.7	<1.7
Endrosulfan II	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<3.3
Endrosulfan Sulfate	µg/kg	1,650	<3.3	<3.3	3.4	<3.3	<3.3
Endrin	µg/kg	10,000	<67	<3.3	<170	<3.3	<3.3
Endrin Aldehyde	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<33
Endrin Ketone	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<33
gamma - BHC	µg/kg	660	<3.3	<3.3	<3.3	<3.3	22
gamma - Chlordane	µg/kg	9,200	160	13	390	160	8,000
Heptachlor	µg/kg	660	5.2	<1.7	41	7.4	3,100
Heptachlor epoxide	µg/kg	1,650	21	<1.7	43	<1.7	<1.7
Methoxychlor	µg/kg	10,000	<17	<17	<17	<17	<170
Toxaphene	µg/kg	10,880	<170	<170	<170	<170	<170

NOTES:

1. Boxed concentrations exceed corresponding Type 1 Risk Reduction Standard (RRS).
2. "<" Indicates analyte not detected at indicated detection limit.

TABLE 2
ANALYTICAL DATA SUMMARY FOR CONFIRMATION SAMPLES
DETTELBACH- WEST RETAINING WALL
ATLANTA, GEORGIA

SAMPLE ID			C-040604-TBM-16	C-040104-TBM-06	C-040104-TBM-07	C-040104-TBM-08	C-040104-TBM-09
SAMPLE LOCATION (TRENCH)			25 ft from N end	40 ft from N end	64 ft from N end	86 ft from N end	143 ft from N end
SAMPLE DEPTH			5.0'	3.0'	6.0'	2.0'	2.0'
STATUS			PASSED	FAILED	PASSED	PASSED	PASSED
PESTICIDES	*UNITS*	TYPE 1 RRS					
4,4' - DDD	µg/kg	660	<3.3	19,000	34	<33	<3.3
4,4' - DDE	µg/kg	660	<3.3	<33	<3.3	<3.3	<3.3
4,4' - DDT	µg/kg	660	<67	2,300	<33	110	69
Aldrin	µg/kg	660	<1.7	1,100	3.8	29	<1.7
alpha - BHC	µg/kg	660	<1.7	910	<1.7	<1.7	<1.7
alpha - Chlordane	µg/kg	9,200	370	48,000	110	1,700	910
beta -BHC	µg/kg	660	<1.7	<17	<1.7	<1.7	<1.7
delta-BHC	µg/kg	660	<1.7	390	<17	<1.7	<1.7
Dieldrin	µg/kg	660	49	4,400	31	300	74
Endrosulfan I	µg/kg	10,000	<1.7	<17	<1.7	<1.7	<1.7
Endrosulfan II	µg/kg	10,000	<3.3	<33	<3.3	<3.3	<3.3
Endrosulfan Sulfate	µg/kg	1,650	<3.3	<33	<3.3	<3.3	<3.3
Endrin	µg/kg	10,000	<3.3	<330	<3.3	<3.3	<3.3
Endrin Aldehyde	µg/kg	10,000	<3.3	<33	<3.3	<3.3	<3.3
Endrin Ketone	µg/kg	10,000	<3.3	<330	<3.3	<33	<33
gamma - BHC	µg/kg	660	<3.3	<33	5.3	6.3	<3.3
gamma - Chlordane	µg/kg	9,200	440	42,000	91	1,500	590
Heptachlor	µg/kg	660	34	4,700	24	490	46
Heptachlor epoxide	µg/kg	1,650	<1.7	<17	12	<1.7	<1.7
Methoxychlor	µg/kg	10,000	<17	<170	<17	<17	<17
Toxaphene	µg/kg	10,880	<170	<1700	<170	<170	<170

NOTES:

1. Boxed concentrations exceed corr
2. "<" Indicates analyte not detected

TABLE 2
ANALYTICAL DATA SUMMARY FOR CONFIRMATION SAMPLES
DETTELBACH- WEST RETAINING WALL
ATLANTA, GEORGIA

SAMPLE ID			C-040104-TBM-10	C-040504-TBM-11	S-040804-TBM-23	C-040604-TBM-15	C-040604-TBM-17
SAMPLE LOCATION (TRENCH)			180 ft from N end	17 ft from S end	17 ft from S end	5 ft from N end	47 ft from N end
SAMPLE DEPTH			2.0'	5.0'	8.0' (on E wall)	5.0'	9.0'
STATUS			PASSED	FAILED	PASSED	PASSED	PASSED
PESTICIDES	*UNITS*	TYPE 1 RRS					
4,4' - DDD	µg/kg	660	<3.3	400	<3.3	20	28
4,4' - DDE	µg/kg	660	<3.3	56	<3.3	<3.3	<3.3
4,4' - DDT	µg/kg	660	<33	1,500	<3.3	<33	7.8
Aldrin	µg/kg	660	<1.7	2.2	<1.7	<1.7	<1.7
alpha - BHC	µg/kg	660	<1.7	<1.7	<1.7	2.7	12
alpha - Chlordane	µg/kg	9,200	290	420	<1.7	150	75
beta -BHC	µg/kg	660	<1.7	<1.7	<1.7	9.5	<1.7
delta-BHC	µg/kg	660	<1.7	<1.7	<1.7	3.5	12
Dieldrin	µg/kg	660	17	68	<3.3	65	21
Endrosulfan I	µg/kg	10,000	<1.7	<1.7	<1.7	<17	<1.7
Endrosulfan II	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<3.3
Endrosulfan Sulfate	µg/kg	1,650	<3.3	<3.3	<3.3	<3.3	<3.3
Endrin	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<3.3
Endrin Aldehyde	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<3.3
Endrin Ketone	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<3.3
gamma - BHC	µg/kg	660	<3.3	<3.3	<3.3	6.4	100
gamma - Chlordane	µg/kg	9,200	130	320	<1.7	140	67
Heptachlor	µg/kg	660	<17	4.4	<1.7	98	16
Heptachlor epoxide	µg/kg	1,650	49	39	<1.7	<1.7	<1.7
Methoxychlor	µg/kg	10,000	<17	<17	<17	<17	<17
Toxaphene	µg/kg	10,880	<170	<170	<170	<170	<170

NOTES:

1. Boxed concentrations exceed corr
2. "<" Indicates analyte not detected

TABLE 2
ANALYTICAL DATA SUMMARY FOR CONFIRMATION SAMPLES
DETTELBACH- WEST RETAINING WALL
ATLANTA, GEORGIA

SAMPLE ID			C-040704-TBM-20	C-040704-TBM-22
SAMPLE LOCATION (TRENCH)			46 ft from N end	25 ft from S end
SAMPLE DEPTH			6.5' (on E wall)	10.5'
STATUS			PASSED	PASSED
PESTICIDES	*UNITS*	TYPE 1 RRS		
4,4' - DDD	µg/kg	660	160	<3.3
4,4' - DDE	µg/kg	660	<3.3	<3.3
4,4' - DDT	µg/kg	660	36	26
Aldrin	µg/kg	660	<1.7	<1.7
alpha - BHC	µg/kg	660	20	<1.7
alpha - Chlordane	µg/kg	9,200	450	<1.7
beta -BHC	µg/kg	660	7.9	<1.7
delta-BHC	µg/kg	660	24	<1.7
Dieldrin	µg/kg	660	120	<3.3
Endrosulfan I	µg/kg	10,000	<1.7	<1.7
Endrosulfan II	µg/kg	10,000	<3.3	<3.3
Endrosulfan Sulfate	µg/kg	1,650	<3.3	<3.3
Endrin	µg/kg	10,000	<3.3	<3.3
Endrin Aldehyde	µg/kg	10,000	<3.3	<3.3
Endrin Ketone	µg/kg	10,000	4.4	<3.3
gamma - BHC	µg/kg	660	420	<3.3
gamma - Chlordane	µg/kg	9,200	380	<1.7
Heptachlor	µg/kg	660	35	<1.7
Heptachlor epoxide	µg/kg	1,650	<1.7	<1.7
Methoxychlor	µg/kg	10,000	<17	<17
Toxaphene	µg/kg	10,880	<170	<170

NOTES:

1. Boxed concentrations exceed corr
2. "<" Indicates analyte not detected

APPENDIX E

2008-2009 SOIL EXCAVATION FIGURES AND CONFIRMATORY SAMPLE DATA SUMMARY

- **Figure 4 – Soil Remediation Areas, AVA Property**
- **Figure 5 – Confirmation Soil Samples, AVA Property**
- **Table 1 – 2008 Analytical Results of Confirmation Soil Samples, AVA Property**

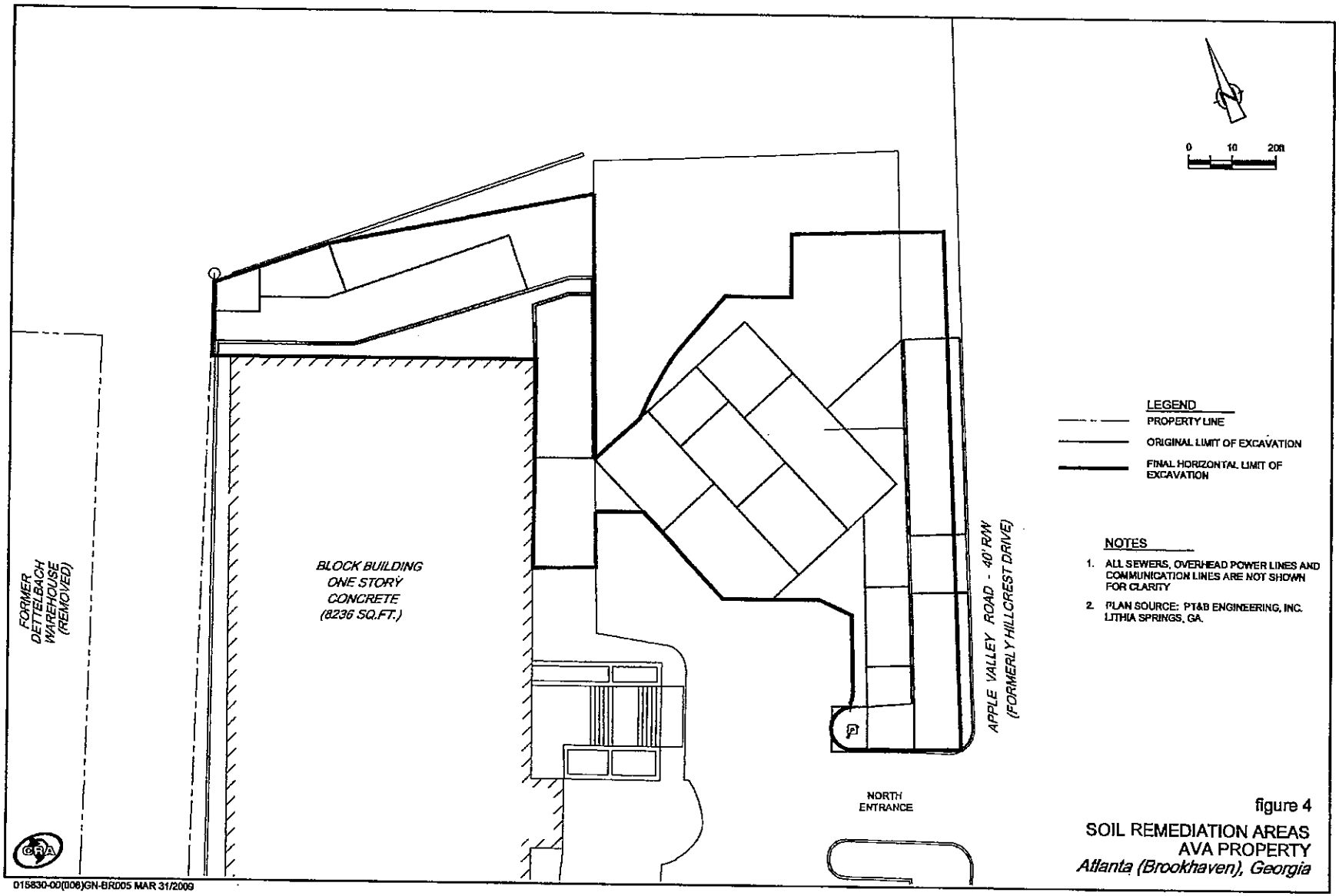


figure 4

SOIL REMEDIATION AREAS
AVA PROPERTY
Atlanta (Brookhaven), Georgia

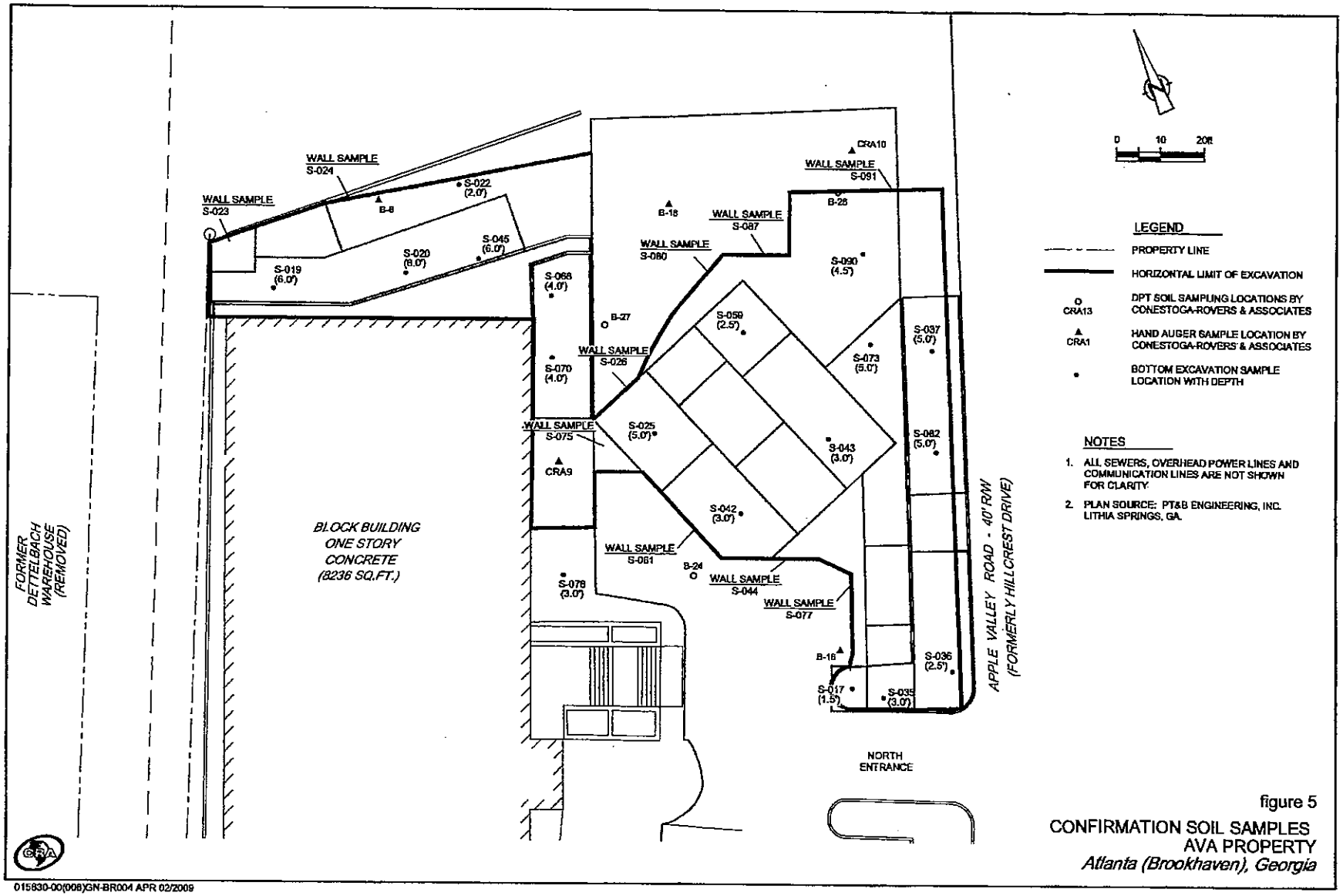


figure 5

CONFIRMATION SOIL SAMPLES
AVA PROPERTY
Atlanta (Brookhaven), Georgia

TABLE 1
2008 ANALYTICAL RESULTS OF CONFIRMATION SOIL SAMPLES
AVA PROPERTY
ATLANTA, GEORGIA

SAMPLE ID			S-102308-DJB-017	S-102808-SAG-019	S-102808-SAG-020	S-102808-SAG-021	S-102808-SAG-022	S-102808-SAG-023	S-102808-SAG-024	S-102908-DJB-025
SAMPLE LOCATION			Bottom	Bottom	Bottom	Bottom	Bottom	Wall	Wall	Bottom
SAMPLE DEPTH (FT)			1.5	6	6	2.0 - 6.0	2	2.5	2.5	5
SAMPLE DATE			10/23/2008	10/28/2008	10/28/2008	10/28/2008	10/28/2008	10/28/2008	10/28/2008	10/29/2008
PESTICIDES	*UNITS*	*TYPE 1 RRS*								
4,4' - DDD	µg/kg	660	<3.6	<3.9	11	<4.0	100	43	26	21
4,4' - DDE	µg/kg	660	40	<3.9	17	32	95	28	43	12
4,4' - DDT	µg/kg	660	37	<3.9	32	48	120	69	110	<4.1
Aldrin	µg/kg	670	<1.8	<1.9	<1.9	<2.0	<1.9	2.1	<1.9	8.3
alpha - BHC	µg/kg	660	<1.8	<1.9	<1.9	<2.0	<1.9	<1.8	<1.9	<2.0
alpha - Chlordane	µg/kg	9,200	740	7.1	320	1,000	820	250	520	150
beta -BHC	µg/kg	660	<1.8	<1.9	<1.9	<2.0	<1.9	<1.8	<1.9	<2.0
delta-BHC	µg/kg	660	<1.8	<1.9	<1.9	<2.0	<1.9	<1.8	<1.9	<2.0
Dieldrin	µg/kg	660	470	<3.9	81	170	160	62	110	48
Endrosulfan I	µg/kg	10,000	<1.8	<1.9	<1.9	<2.0	<1.9	<1.8	<1.9	<2.0
Endrosulfan II	µg/kg	10,000	<3.6	<3.9	15	<4.0	<3.7	<3.5	<3.8	<4.1
Endrosulfan Sulfate	µg/kg	1,650	<3.6	<3.9	<3.8	<4.0	<3.7	<3.5	<3.8	<4.1
Endrin	µg/kg	10,000	<3.6	<3.9	<3.8	50	35	<3.5	<3.8	<4.1
Endrin Aldehyde	µg/kg	10,000	<3.6	<3.9	<3.8	<4.0	<3.7	<3.5	<3.8	<4.1
Endrin Ketone	µg/kg	10,000	8	<3.9	<3.8	<4.0	<3.7	<3.5	<3.8	<4.1
gamma - BHC	µg/kg	660	<3.6	<3.9	<3.8	<4.0	<3.7	<3.5	<3.8	<4.1
gamma - Chlordane	µg/kg	9,200	780	9.2	380	1,300	1,100	390	700	170
Heptachlor	µg/kg	660	7.1	<1.9	6.6	7.5	43	15	34	<2.0
Heptachlor epoxide	µg/kg	1,650	220	6.4	58	110	140	52	62	<2.0
Methoxychlor	µg/kg	10,000	<18	<19	<19	<20	<19	<18	<19	<20
Toxaphene	µg/kg	10,880	<180	<190	<190	<200	<190	<180	<190	<200

Notes:

1. "<" Indicates analyte not detected at indicated detection limit.
2. Base and Wall on the sample locations show that samples were collected from the base and wall of the excavation.
3. 0.001U - Parameter not detected at detection limit preceding "U"

TABLE 1
2008 ANALYTICAL RESULTS OF CONFIRMATION SOIL SAMPLES
AVA PROPERTY
ATLANTA, GEORGIA

SAMPLE ID			S-102908-DJB-026	S-103008-DJB-035	S-103008-DJB-036	S-103008-DJB-037	S-103008-DJB-039	S-103008-DJB-042	S-103008-DJB-043	S-103008-DJB-044
SAMPLE LOCATION			Wall	Bottom	Bottom	Bottom	Parking Lot	Bottom	Bottom	Wall
SAMPLE DEPTH (FT)			2.5	3	2.5	5	1.5	3	3	1.5
SAMPLE DATE			10/29/2008	10/30/2008	10/30/2008	10/30/2008	10/30/2008	10/30/2008	10/30/2008	10/30/2008
PESTICIDES	*UNITS*	*TYPE 1 RRS*								
4,4' - DDD	µg/kg	660	60	<3.7	<3.7	<3.7	<200	<39	75	<7.8
4,4' - DDE	µg/kg	660	45	<3.7	<3.7	52	<200	<39	<39	<7.8
4,4' - DDT	µg/kg	660	<3.7	<3.7	<3.7	75	<200	<39	<39	<7.8
Aldrin	µg/kg	670	34	<1.8	<1.8	<1.8	<100	<19	<20	<3.9
alpha - BHC	µg/kg	660	<1.9	<1.8	<1.8	<1.8	<100	<19	<20	<3.9
alpha - Chlordane	µg/kg	9,200	700	19	26	640	1,400	200	310	32
beta -BHC	µg/kg	660	<1.9	<1.8	<1.8	<1.8	<100	<19	<20	<3.9
delta-BHC	µg/kg	660	2.5	<1.8	<1.8	<1.8	<100	<19	<20	<3.9
Dieldrin	µg/kg	660	270	3.9	34	<370	360	100	70	51
Endrosulfan I	µg/kg	10,000	<1.9	<1.8	<1.8	26	<100	<19	<20	<3.9
Endrosulfan II	µg/kg	10,000	<3.7	<3.7	<3.7	<3.7	<200	<39	<39	<7.8
Endrosulfan Sulfate	µg/kg	1,650	<3.7	<3.7	<3.7	<3.7	<200	<39	<39	<7.8
Endrin	µg/kg	10,000	<3.7	<3.7	<3.7	<3.7	<200	<39	<39	<7.8
Endrin Aldehyde	µg/kg	10,000	<3.7	<3.7	<3.7	<3.7	<200	<39	<39	<7.8
Endrin Ketone	µg/kg	10,000	<3.7	<3.7	<3.7	<3.7	<200	<39	<39	<7.8
gamma - BHC	µg/kg	660	<3.7	<3.7	<3.7	<3.7	<200	<39	<39	<7.8
gamma - Chlordane	µg/kg	9,200	680	17	26	450	2,100	290	550	39
Heptachlor	µg/kg	660	<1.9	<1.8	<1.8	4.9	<100	<19	<20	<3.9
Heptachlor epoxide	µg/kg	1,650	<1.9	2.1	48	450	<100	<19	<20	<3.9
Methoxychlor	µg/kg	10,000	<19	<18	<18	<18	<1,000	<190	<200	<39
Toxaphene	µg/kg	10,880	<190	<180	<180	<180	<10,000	<1,900	<2,000	<390

Notes:

1. "<" Indicates analyte not detected at indicated
2. Base and Wall on the sample locations show th
3. 0.001U - Parameter not detected at detection lir

TABLE 1
2008 ANALYTICAL RESULTS OF CONFIRMATION SOIL SAMPLES
AVA PROPERTY
ATLANTA, GEORGIA

SAMPLE ID			S-103008-DJB-045	S-110608-DJB-059	S-110608-DJB-061	S-111808-DJB-068	S-111808-DJB-069	S-111808-DJB-070	S-111808-DJB-071	S-111808-DJB-073	S-111908-DJB-075
SAMPLE LOCATION			Bottom	Bottom	Wall	Bottom	resample of 066	Bottom	resample of 065	Bottom	Wall
SAMPLE DEPTH (FT)			6	2.5	1.5	4	2.5	4	2.5	5	2.5
SAMPLE DATE			10/30/2008	11/6/2008	11/6/2008	11/18/2008	11/18/2008	11/18/2008	11/18/2008	11/18/2008	11/19/2008
PESTICIDES	*UNITS*	*TYPE 1 RRS*									
4,4' - DDD	µg/kg	660	<39	290	<3.9	210	150	<3.9	<4.0	<3.7	<3.9
4,4' - DDE	µg/kg	660	<39	85	<3.9	25	<4.2	<3.9	<4.0	<3.7	<3.9
4,4' - DDT	µg/kg	660	<39	41	<3.9	<4.1	8.2	<3.9	<4.0	23	<3.9
Aldrin	µg/kg	670	<20	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<1.8	<2.0
alpha - BHC	µg/kg	660	<20	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<1.8	<2.0
alpha - Chlordane	µg/kg	9,200	230	910	18	670	500	1,800	300	280	29
beta -BHC	µg/kg	660	<20	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<1.8	<2.0
delta-BHC	µg/kg	660	<20	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<1.8	<2.0
Dieldrin	µg/kg	660	76	270	<3.9	250	230	96	31	63	14
Endrosulfan I	µg/kg	10,000	<20	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<1.8	<2.0
Endrosulfan II	µg/kg	10,000	<39	<3.9	<3.9	<4.1	<4.2	<3.9	<4.0	<3.7	<3.9
Endrosulfan Sulfate	µg/kg	1,650	<39	<3.9	<3.9	<4.1	<4.2	<3.9	<4.0	<3.7	<3.9
Endrin	µg/kg	10,000	<39	39	<3.9	<4.1	<4.2	<3.9	<4.0	<3.7	<3.9
Endrin Aldehyde	µg/kg	10,000	<39	<3.9	<3.9	<4.1	<4.2	<3.9	<4.0	<3.7	<3.9
Endrin Ketone	µg/kg	10,000	<39	<3.9	<3.9	<4.1	<4.2	<3.9	<4.0	<3.7	<3.9
gamma - BHC	µg/kg	660	<39	20	<3.9	<4.1	<4.2	<3.9	<4.0	<3.7	<3.9
gamma - Chlordane	µg/kg	9,200	310	1,300	11	810	600	2,100	340	360	40
Heptachlor	µg/kg	660	<20	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<1.8	<2.0
Heptachlor epoxide	µg/kg	1,650	34	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	27	<2.0
Methoxychlor	µg/kg	10,000	<200	<20	<20	<21	<21	<19	<20	<18	<20
Toxaphene	µg/kg	10,880	<2,000	<200	<200	<210	<210	<190	<200	<180	<200

Notes:

1. "<" Indicates analyte not detected at indicated
2. Base and Wall on the sample locations show th
3. 0.001U - Parameter not detected at detection lir

TABLE 1
2008 ANALYTICAL RESULTS OF CONFIRMATION SOIL SAMPLES
AVA PROPERTY
ATLANTA, GEORGIA

SAMPLE ID			S-111908-DJB-077	S-112008-DJB-078	S-112008-DJB-080	S-112008-DJB-082	S-120108-MR-087	S-120508-MR-090	S-121608-MR-091	S-031304-SAG-03	S-031304-SAG-04
SAMPLE LOCATION			Wall	Bottom	Wall	Bottom	Wall	Bottom	Bottom	B-6	B-6
SAMPLE DEPTH (FT)			2.5	3	2.5	5	2.5	4.5	2.5	0.5-1.0	5.0-5.5
SAMPLE DATE			11/19/2008	11/20/2008	11/20/2008	11/20/2008	12/1/2008	12/5/2008	12/16/2008	3/13/2004	3/13/2004
PESTICIDES	*UNITS*	*TYPE 1 RRS*									
4,4' - DDD	µg/kg	660	<3.8	<3.7	230	<3.9	<18	<3.7	<3.7	96	<3.3
4,4' - DDE	µg/kg	660	<3.8	<3.7	89	<3.9	<18	<3.7	<3.7	89	<3.3
4,4' - DDT	µg/kg	660	<3.8	<3.7	120	<3.9	<18	<3.7	<3.7	44	<3.3
Aldrin	µg/kg	670	<1.9	2.6	<2.1	<2.0	<9.1	<1.9	<1.9	<1.7	<1.7
alpha - BHC	µg/kg	660	<1.9	<1.8	<2.1	<2.0	<9.1	<1.9	<1.9	<1.7	<1.7
alpha - Chlordane	µg/kg	9,200	<1.9	86	1,900	12	94	40	8.2	1100	<1.7
beta -BHC	µg/kg	660	<1.9	<1.8	<2.1	<2.0	<9.1	<1.9	<1.9	<1.7	<1.7
delta-BHC	µg/kg	660	<1.9	<1.8	<2.1	<2.0	<9.1	<1.9	<1.9	<1.7	<1.7
Dieldrin	µg/kg	660	<3.8	24	570	<3.9	20	8.5	<3.7	95	<3.3
Endrosulfan I	µg/kg	10,000	<1.9	<1.8	<2.1	<2.0	<9.1	<1.9	<1.9	<1.7	<1.7
Endrosulfan II	µg/kg	10,000	<3.8	<3.7	<4.1	<3.9	<18	<3.7	<3.7	<3.3	<3.3
Endrosulfan Sulfate	µg/kg	1,650	<3.8	<3.7	<4.1	<3.9	<18	<3.7	<3.7	<3.3	<3.3
Endrin	µg/kg	10,000	<3.8	<3.7	<4.1	<3.9	<18	<3.7	<3.7	<3.3	<3.3
Endrin Aldehyde	µg/kg	10,000	<3.8	<3.7	<4.1	<3.9	<18	<3.7	<3.7	<3.3	<3.3
Endrin Ketone	µg/kg	10,000	<3.8	<3.7	<4.1	<3.9	<18	<3.7	<3.7	<3.3	<3.3
gamma - BHC	µg/kg	660	<3.8	<3.7	130	<3.9	<18	<3.7	<3.7	<67	<3.3
gamma - Chlordane	µg/kg	9,200	<1.9	94	2,400	16	90	42	11	1000	<1.7
Heptachlor	µg/kg	660	<1.9	<1.8	<2.1	<2.0	<9.1	<1.9	<1.9	6.6	<1.7
Heptachlor epoxide	µg/kg	1,650	<1.9	19	<2.1	<2.0	<9.1	2	<1.9	94	<1.7
Methoxychlor	µg/kg	10,000	<19	<18	<21	<20	<91	<19	<19	<17	<17
Toxaphene	µg/kg	10,880	<190	<180	<210	<200	<910	<190	<190	<170	<170

Notes:

1. "<" Indicates analyte not detected at indicated
2. Base and Wall on the sample locations show th
3. 0.001U - Parameter not detected at detection li

TABLE 1
2008 ANALYTICAL RESULTS OF CONFIRMATION SOIL SAMPLES
AVA PROPERTY
ATLANTA, GEORGIA

SAMPLE ID			S-050604-TBM-008	S-050604-TBM-009	S-050604-TBM-013	S-072605-TBM-003	S-072605-TBM-009	S-072605-TBM-010	S-072605-TBM-011	S-072605-TBM-012
SAMPLE LOCATION			B-16	B-16	B-18	B-24	B-27	B-27	B-28	B-28
SAMPLE DEPTH (FT)			0.75 - 1.25	1.25-2.5	2.0-2.5	1.0 - 1.5	2.0 - 2.5	4.0 - 4.5	2.5 - 3.0	5.0 - 5.5
SAMPLE DATE			5/6/2004	5/6/2004	5/6/2004	7/26/2005	7/26/2005	7/26/2005	7/26/2005	7/26/2005
PESTICIDES	*UNITS*	*TYPE 1 RRS*								
4,4' - DDD	µg/kg	660	<3.3	64	58	3.9	20	<3.3	<3.3	<3.3
4,4' - DDE	µg/kg	660	<3.3	19	10	<3.3	5.5	<3.3	<3.3	<3.3
4,4' - DDT	µg/kg	660	<3.3	14	8.9	<3.3	<3.3	<3.3	<3.3	<3.3
Aldrin	µg/kg	670	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
alpha - BHC	µg/kg	660	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
alpha - Chlordane	µg/kg	9,200	29	500	380	47	100	8	<1.7	<1.7
beta -BHC	µg/kg	660	<1.7	<1.7	<1.7	<1.7	1.9	<1.7	<1.7	<1.7
delta-BHC	µg/kg	660	<1.7	<1.7	<1.7	<1.7	2.1	<1.7	<1.7	<1.7
Dieldrin	µg/kg	660	16	97	34	<3.3	29	14	<3.3	<3.3
Endrosulfan I	µg/kg	10,000	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Endrosulfan II	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
Endrosulfan Sulfate	µg/kg	1,650	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
Endrin	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
Endrin Aldehyde	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
Endrin Ketone	µg/kg	10,000	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
gamma - BHC	µg/kg	660	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
gamma - Chlordane	µg/kg	9,200	25	500	340	37	100	11	<1.7	<1.7
Heptachlor	µg/kg	660	<1.7	2.0	1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Heptachlor epoxide	µg/kg	1,650	2.3	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Methoxychlor	µg/kg	10,000	<17	<17	<17	<17	<17	<17	<17	<17
Toxaphene	µg/kg	10,880	<170	<170	<170	<170	<170	<170	<170	<170

Notes:

1. "<" Indicates analyte not detected at indicated
2. Base and Wall on the sample locations show th
3. 0.001U - Parameter not detected at detection lir

TABLE 1
2008 ANALYTICAL RESULTS OF CONFIRMATION SOIL SAMPLES
AVA PROPERTY
ATLANTA, GEORGIA

SAMPLE ID			S-012401-TAL-015	S-012401-TAL-017	S-012401-TAL-018
SAMPLE LOCATION			CRA 9	CRA 10	CRA 10
SAMPLE DEPTH (FT)			2	2	4
SAMPLE DATE			1/24/2001	1/24/2001	1/24/2001
PESTICIDES	*UNITS*	*TYPE 1 RRS*			
4,4' - DDD	µg/kg	660	<3.3	3.3 U	3.3 U
4,4' - DDE	µg/kg	660	<3.3	3.3 U	3.3 U
4,4' - DDT	µg/kg	660	6.6	3.3 U	3.3 U
Aldrin	µg/kg	670	<1.7	1.7 U	1.7 U
alpha - BHC	µg/kg	660	<1.7	1.7 U	1.7 U
alpha - Chlordane	µg/kg	9,200	350	1.7 U	1.7 U
beta -BHC	µg/kg	660	<1.7	1.7 U	1.7 U
delta-BHC	µg/kg	660	<1.7	1.7 U	1.7 U
Dieldrin	µg/kg	660	64	3.3 U	3.3 U
Endrosulfan I	µg/kg	10,000	<1.7	1.7 U	1.7 U
Endrosulfan II	µg/kg	10,000	<3.3	3.3 U	3.3 U
Endrosulfan Sulfate	µg/kg	1,650	<3.3	3.3 U	3.3 U
Endrin	µg/kg	10,000	<3.3	3.3 U	3.3 U
Endrin Aldehyde	µg/kg	10,000	<3.3	3.3 U	3.3 U
Endrin Ketone	µg/kg	10,000	<3.3	3.3 U	3.3 U
gamma - BHC	µg/kg	660	<3.3	3.3 U	3.3 U
gamma - Chlordane	µg/kg	9,200	430	1.7 U	1.7 U
Heptachlor	µg/kg	660	<1.7	1.7 U	1.7 U
Heptachlor epoxide	µg/kg	1,650	18	1.7 U	1.7 U
Methoxychlor	µg/kg	10,000	<17	17 U	17 U
Toxaphene	µg/kg	10,880	<170	170 U	170 U

Notes:

1. "<" Indicates analyte not detected at indicated
2. Base and Wall on the sample locations show th
3. 0.001U - Parameter not detected at detection li

APPENDIX F

LABORATORY DATA SHEETS

JUNE THROUGH AUGUST 2014

(PROVIDED ON CD ONLY)

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: _____

Date: 6/30/14 Page 1 of 6

COMPANY	ADDRESS
EARTHCON	1880 West Oak Pkwy Bldg 100, Ste 106 Marietta, GA 30062
PHONE: 770-973-2100	FAX: 770-975-7395
SAMPLED BY: Kristen Rivera	SIGNATURE: Kristen Rivera

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCL PEST	TCL PEST HOLD	PRESERVATION (See codes) N/A	PRESERVATION (See codes) NA	REMARKS	No # of Containers
1	B-4-0-2'	06/30/14	0856		X	SO			X			
2	B-4-3.5-4.5'	"	0904		"	"			X			
3	B-4-13.5-14.5'		0905						X			
4	B-4-4-5'		0907						X			
5	B-4-15-16		0910							X		
6	SB-42*-0-2'		0930						X			
7	SB-42-4-5'		0936						X			
8	SB-42-5-6'		0938						X			
9	SB-42-8.5-9.5'		0937						X			
10	SB-42-15-16'		0943							X		
11	SB-41-0-2'		0948						X			
12	SB-41-3-4'		0949						X			
13	SB-41-4-5'		0956						X			
14	SB-41-8.5-9.5'		1000						X			

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	7/01/14	1: Kataya R	7/1/14 8:04 a
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: BROOKHAVEN - DPW
PROJECT #: 02.2.0140227-2
SITE ADDRESS: 1251 Park Ave Atlanta GA 30319
SEND REPORT TO: Kristen Rivera
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers

Turnaround Time Request
- (✓) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N, Fax? Y / N
DATA PACKAGE I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: _____

Date: 6/30/14 Page 2 of 6

COMPANY: EARTHCON

ADDRESS: 1680 W. Oak Pkwy Bldg 100, Ste 106 Marietta, GA 30062

PHONE: 7-973-2100

FAX:

SAMPLED BY: Kristen Rivera

SIGNATURE: Kristen Rivera

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	NA	NA	TCL PEST	TCL PEST	No # of Containers
1	SB-44-15-16'	06/30/14	1000		X	SO		X			
2	SB-33-0-2'		1014				X				
3	SB-33-4-5'		1015				X				
4	SB-33-8.5-9.5'		1019				X				
5	SB-33-15-16'		1021					X			
6	SB-32-0-2'		1045				X				
7	SB-32-4-5'		1045				X				
8	SB-32-8.5-9.5'		1050				X				
9	SB-32-10-11'		1050				X				
10	SB-32-14-15'		1050					X			
11	SB-22-0-2' - B-3		1105				X				
12	SB-22-4-5' - B-3		1105				X				
13	SB-22-8.5-9.5' - B-3		1112				X				
14	SB-22-10-11' - B-3		1112				X				

ANALYSIS REQUESTED

PRESERVATION (See codes)

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

REMARKS

RELINQUISHED BY DATE/TIME

1. Kristen Rivera 7/01/14

2.

3.

RECEIVED BY DATE/TIME

1. Latoya R 7/1/14 8:04a

2.

3.

PROJECT INFORMATION

PROJECT NAME: Brookhaven - DPW

PROJECT #: 07.20140272

SITE ADDRESS: 1257 Park Ave Atlanta GA 30319

SEND REPORT TO: Kristen Rivera

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers:

Turnaround Time Request

- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):

E-mail? Y / N, Fax? Y / N

DATA PACKAGE I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA

IN / / VIA

CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: _____

Date: 6/30/14 Page 2 of 6

COMPANY: EARTHCON

ADDRESS: 1888 W. Oak Pkwy Bldg 100, Ste 106 Marietta, GA 30062

PHONE: 7-973-2100

FAX: [illegible]

SAMPLED BY: Kristen Rivera

SIGNATURE: Kristen R. Rivera

ANALYSIS REQUESTED: TELEPEST / TELEPEST LIQUID

PRESERVATION (See codes): NA / NA

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TELEPEST	TELEPEST LIQUID	REMARKS	No # of Containers
1	BB431-0-2'	6/30/14	1186		X	SO	X			
2	SB431-3-4-5'		0934				X			
3	SB431-9.5-11.5"		0938				X			
4	SB431-14-15'		0934					X		
5	BB422-0-2'		0957				X			
6	SB-422-0-2.5'		1157				X			
7	SB-422-4.5-9.5'		0960				X			
8	SB-422-10-11'		0960				X			
9	SB-422-14-15"		0905					X		
10	SB-42-15-16'		0943							
11	SB-41-0-2'		0948							
12	SB-41-3-4'		0949							
13	SB-41-4-5'		0956							
14	SB-[illegible]-9.5'		1000							

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	7/1/2014	1: Latoya R	7/1/14 8:04a
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER _____

PROJECT INFORMATION
PROJECT NAME: [illegible]
PROJECT #: 02-2014-0872
SITE ADDRESS: 1251 Park Ave Atlanta, GA 30319
SEND REPORT TO: Kristen Rivera
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

...TICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: _____

Date: 6/30/14 Page 4 of 6

COMPANY: EARTHCON

ADDRESS: 1880 W. Oak Pkwy Bldg 100, Ste 106 Marietta GA 30062

PHONE: 7-973-2100

FAX: 7-973-7395

SAMPLED BY: Kristen Rivera

SIGNATURE: Kristen Rivera

ANALYSIS REQUESTED: TCL PEST, TCL PEST HOLD

PRESERVATION (See codes): N/A, N/A

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCL PEST	TCL PEST HOLD	REMARKS	No # of Containers
1	SB-22-14-15'-B-3	06/30/14	1115	~~X~~	X	SO		X		
2	SB-21-0-2'	@ 1345	~~1345~~ 1345				X			
3	SB-21-4-5'		1355				X			
4	SB-21-8.5-9.5'		1400				X			
5	SB-21-14-15'		1355				X			
6	SB-15-0-2'		1420				X			
7	SB-15-5-6'		1424				X			
8	SB-15-11-12'		1425				X			
9	SB-15-15-16'		1430				X			
10	SB-5-0-2'		1450				X			
11	SB-5-4.5-5.5'		1500				X			
12	SB-5-10-11'		1503				X			
13	SB-5-15-16'		1505					X		
14	SB-14-0-2'		1539				X			

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	7/1/14	1: Latoya R	7/1/14 8:04a
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER _____

PROJECT INFORMATION
PROJECT NAME: Brookhaven - DPW
PROJECT #: 02.20140277
SITE ADDRESS: 1251 Park Ave Atlanta GA 30319
SEND REPORT TO: Kristen Rivera
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N, Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

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ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: _____

Date: 6/30/14 Page 5 of 6

COMPANY: EARTHCON	ADDRESS: 1880 W. Oak Pkwy Bldg 100, Ste 106 Marietta GA 30062
PHONE: 7-973-2100	FAX:
SAMPLED BY: Kristen Rivera	SIGNATURE: Kristen Rivera

ANALYSIS REQUESTED: TCL PEST, TCL PEST

PRESERVATION (See codes): NA, NA

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCL PEST (NA)	TCL PEST (NA)	REMARKS	No # of Containers
1	SB-14-4.5-5.5'	06/30/14	1543		X	SO	X			
2	SB-14-10-11'		1545				X			
3	SB-14-15-16'		1550					X		
4	SB-5-0-2'		1605				X			
5	SB-5-4.5-5.5'		1613				X			
6	SB-5-10-11'		1613				X			
7	SB-5-15-16'		1617	1617				X		
8	SB-6-0-2'		1638				X			
9	SB-6-4.5-5.5'		1635				X			
10	SB-6-10-11'		1640				X			
11	SB-6-15-16'		1641					X		
12	SB-3-0-2'		1656				X			
13	SB-3-4.5-5.5'		1656				X			
14	SB-3-10-11'		1700				X			

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1. Kristen Rivera	7/1/14	1. Latoya R	7/1/14 8:04a
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER _____

PROJECT INFORMATION
PROJECT NAME: Brookhaven - DPW
PROJECT #: 02.20140272
SITE ADDRESS: 1251 Park Ave Atlanta GA 30319
SEND REPORT TO: Kristen Rivera
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time Request
- Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush (auth req.)
- Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

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3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: _____

Date: 6/30/14 Page 6 of 6

COMPANY: EARTHCON	ADDRESS: 1880 W. Oak Pkwy Bldg 100, Ste 106 Marietta, GA 30062
PHONE: 7-973-2100	FAX:
SAMPLED BY: Kristen Rivera	SIGNATURE: Kristen Rivera

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCL PEST (HOLD)	TCL PEST	REMARKS	No # of Containers
							PRESERVATION (See codes)			
							NA	NA		
1	SB-3-15-16'	6/30/14	1700		X	SO		X		
2	SB-4-0-2'	↓	1718		↓	↓	X			
3	SB-4-4.5-5.5'	↓	1718		↓	↓	X			
4	SB-4-10-11'	↓	1723		↓	↓	X			
5	SB-4-15-16'	↓	1723		↓	↓		X		
6										
7										
8										
9										
10										
11										
12										
13										
14										

KRR

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1. Kristen Rivera	7/1/2014	1. Cataya R	7/1/14 8:04a
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER _____

PROJECT INFORMATION
PROJECT NAME: BROOKHAVEN - DPW
PROJECT #: 02.20140272
SITE ADDRESS: 1257 PARK AVE Atlanta, GA 30319
SEND REPORT TO: Kristen Rivera
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: B-4-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 8:56:00 AM
Lab ID: 1407013-001
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	760		ug/Kg-dry	193137	200	7/14/2014 5:45 PM
4,4´-DDE	BRL	760		ug/Kg-dry	193137	200	7/14/2014 5:45 PM
4,4´-DDT	BRL	760		ug/Kg-dry	193137	200	7/14/2014 5:45 PM
Aldrin	BRL	190		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
alpha-BHC	BRL	190		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
alpha-Chlordane	BRL	190		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
beta-BHC	BRL	190		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Chlordane	76000	19000		ug/Kg-dry	193137	500	7/15/2014 6:38 PM
delta-BHC	BRL	190		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Dieldrin	2900	760		ug/Kg-dry	193137	200	7/14/2014 5:45 PM
Endosulfan I	BRL	190		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Endosulfan II	BRL	380		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Endosulfan sulfate	BRL	380		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Endrin	BRL	380		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Endrin aldehyde	BRL	380		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Endrin ketone	BRL	380		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
gamma-BHC	BRL	190		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
gamma-Chlordane	BRL	190		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Heptachlor	BRL	190		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Heptachlor epoxide	BRL	190		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Methoxychlor	BRL	1900		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Toxaphene	BRL	19000		ug/Kg-dry	193137	100	7/8/2014 8:41 PM
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	193137	100	7/8/2014 8:41 PM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193137	100	7/8/2014 8:41 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	12.3	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: B-4-3.5-4.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 9:04:00 AM
Lab ID: 1407013-002
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	39		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
4,4´-DDE	BRL	39		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
4,4´-DDT	BRL	39		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Aldrin	BRL	20		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
alpha-BHC	BRL	20		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
alpha-Chlordane	BRL	20		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
beta-BHC	BRL	20		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Chlordane	870	390		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
delta-BHC	BRL	20		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Dieldrin	BRL	39		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Endosulfan I	BRL	20		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Endosulfan II	BRL	39		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Endosulfan sulfate	BRL	39		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Endrin	BRL	39		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Endrin aldehyde	BRL	39		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Endrin ketone	BRL	39		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
gamma-BHC	BRL	20		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
gamma-Chlordane	BRL	20		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Heptachlor	BRL	20		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Heptachlor epoxide	BRL	20		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Methoxychlor	BRL	200		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Toxaphene	BRL	2000		ug/Kg-dry	193137	10	7/8/2014 8:30 PM
Surr: Decachlorobiphenyl	99.1	25.2-120		%REC	193137	10	7/8/2014 8:30 PM
Surr: Tetrachloro-m-xylene	106	30.5-120		%REC	193137	10	7/8/2014 8:30 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.5	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: B-4-13.5-14.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 9:05:00 AM
Lab ID: 1407013-003
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
4,4´-DDE	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Aldrin	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Chlordane	BRL	39		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Dieldrin	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Endrin	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Methoxychlor	BRL	19		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Toxaphene	BRL	190		ug/Kg-dry	193137	1	7/7/2014 6:05 PM
Surr: Decachlorobiphenyl	102	25.2-120		%REC	193137	1	7/7/2014 6:05 PM
Surr: Tetrachloro-m-xylene	90.1	30.5-120		%REC	193137	1	7/7/2014 6:05 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.4	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: B-4-4-5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 9:07:00 AM
Lab ID: 1407013-004
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
4,4´-DDE	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Aldrin	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Chlordane	BRL	39		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Dieldrin	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Endrin	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Heptachlor	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Methoxychlor	BRL	20		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Toxaphene	BRL	200		ug/Kg-dry	193137	1	7/7/2014 6:16 PM
Surr: Decachlorobiphenyl	104	25.2-120		%REC	193137	1	7/7/2014 6:16 PM
Surr: Tetrachloro-m-xylene	92.8	30.5-120		%REC	193137	1	7/7/2014 6:16 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.7	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-42-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 9:30:00 AM
Lab ID: 1407013-006
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	750		ug/Kg-dry	193477	200	7/10/2014 8:40 PM
4,4´-DDE	BRL	750		ug/Kg-dry	193477	200	7/10/2014 8:40 PM
4,4´-DDT	3000	750		ug/Kg-dry	193477	200	7/10/2014 8:40 PM
Aldrin	BRL	38		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
alpha-BHC	BRL	38		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
alpha-Chlordane	BRL	38		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
beta-BHC	BRL	38		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Chlordane	5300	750		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
delta-BHC	BRL	38		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Dieldrin	BRL	750		ug/Kg-dry	193477	200	7/10/2014 8:40 PM
Endosulfan I	BRL	38		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Endosulfan II	BRL	75		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Endosulfan sulfate	BRL	75		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Endrin	BRL	75		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Endrin aldehyde	BRL	75		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Endrin ketone	BRL	75		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
gamma-BHC	BRL	38		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
gamma-Chlordane	BRL	38		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Heptachlor	BRL	38		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Heptachlor epoxide	BRL	38		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Methoxychlor	BRL	380		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Toxaphene	BRL	3800		ug/Kg-dry	193137	20	7/8/2014 8:53 PM
Surr: Decachlorobiphenyl	133	25.2-120	S	%REC	193137	20	7/8/2014 8:53 PM
Surr: Tetrachloro-m-xylene	125	30.5-120	S	%REC	193137	20	7/8/2014 8:53 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	11.8	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-42-4-5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 9:36:00 AM
Lab ID: 1407013-007
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
4,4´-DDE	10	4.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
4,4´-DDT	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Aldrin	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Chlordane	BRL	40		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Dieldrin	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Endosulfan II	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Endrin	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Endrin ketone	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Heptachlor	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Heptachlor epoxide	5.1	2.0		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Methoxychlor	BRL	20		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Toxaphene	BRL	200		ug/Kg-dry	193137	1	7/7/2014 6:27 PM
Surr: Decachlorobiphenyl	105	25.2-120		%REC	193137	1	7/7/2014 6:27 PM
Surr: Tetrachloro-m-xylene	92.3	30.5-120		%REC	193137	1	7/7/2014 6:27 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	16.8	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-42-5-6'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 9:38:00 AM
Lab ID: 1407013-008
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
4,4´-DDE	6.0	4.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
4,4´-DDT	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Aldrin	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Chlordane	BRL	40		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Dieldrin	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Endosulfan II	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Endrin	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Endrin ketone	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Heptachlor	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Heptachlor epoxide	3.2	2.0		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Methoxychlor	BRL	20		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Toxaphene	BRL	200		ug/Kg-dry	193137	1	7/7/2014 6:38 PM
Surr: Decachlorobiphenyl	92.8	25.2-120		%REC	193137	1	7/7/2014 6:38 PM
Surr: Tetrachloro-m-xylene	83.8	30.5-120		%REC	193137	1	7/7/2014 6:38 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	16.3	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-42-8.5-9.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 9:37:00 AM
Lab ID: 1407013-009
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
4,4´-DDE	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
4,4´-DDT	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Aldrin	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Chlordane	BRL	40		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Dieldrin	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Endosulfan II	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Endrin	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Endrin ketone	BRL	4.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Heptachlor	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Methoxychlor	BRL	20		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Toxaphene	BRL	200		ug/Kg-dry	193137	1	7/7/2014 6:49 PM
Surr: Decachlorobiphenyl	99.5	25.2-120		%REC	193137	1	7/7/2014 6:49 PM
Surr: Tetrachloro-m-xylene	86.5	30.5-120		%REC	193137	1	7/7/2014 6:49 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	17.7	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-41-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 9:48:00 AM
Lab ID: 1407013-011
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
4,4´-DDE	BRL	39		ug/Kg-dry	193137	10	7/13/2014 3:44 PM
4,4´-DDT	120	39		ug/Kg-dry	193137	10	7/14/2014 5:56 PM
Aldrin	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Chlordane	2200	390		ug/Kg-dry	193137	10	7/8/2014 9:04 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Dieldrin	41	3.9		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Endrin	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Heptachlor	3.7	2.0		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Methoxychlor	BRL	20		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Toxaphene	BRL	200		ug/Kg-dry	193477	1	7/10/2014 8:51 PM
Surr: Decachlorobiphenyl	54.2	25.2-120		%REC	193477	1	7/10/2014 8:51 PM
Surr: Tetrachloro-m-xylene	49.7	30.5-120		%REC	193477	1	7/10/2014 8:51 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.0	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-41-3-4'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 9:49:00 AM
Lab ID: 1407013-012
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
4,4´-DDE	BRL	39		ug/Kg-dry	193137	10	7/13/2014 3:56 PM
4,4´-DDT	110	3.9		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Aldrin	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Chlordane	2000	390		ug/Kg-dry	193137	10	7/8/2014 9:15 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Dieldrin	35	3.9		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Endrin	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Heptachlor	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Methoxychlor	BRL	20		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Toxaphene	BRL	200		ug/Kg-dry	193477	1	7/10/2014 9:02 PM
Surr: Decachlorobiphenyl	66.4	25.2-120		%REC	193477	1	7/10/2014 9:02 PM
Surr: Tetrachloro-m-xylene	64.8	30.5-120		%REC	193477	1	7/10/2014 9:02 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.0	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-41-4-5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 9:56:00 AM
Lab ID: 1407013-013
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
4,4´-DDE	4.0	3.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Aldrin	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Chlordane	240	39		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Dieldrin	6.5	3.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Endrin	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Methoxychlor	BRL	19		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Toxaphene	BRL	190		ug/Kg-dry	193137	1	7/7/2014 7:00 PM
Surr: Decachlorobiphenyl	100	25.2-120		%REC	193137	1	7/7/2014 7:00 PM
Surr: Tetrachloro-m-xylene	89.0	30.5-120		%REC	193137	1	7/7/2014 7:00 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	13.9	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-41-8.5-9.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 10:00:00 AM
Lab ID: 1407013-014
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.8		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
4,4´-DDE	BRL	3.8		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
4,4´-DDT	BRL	3.8		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Aldrin	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Chlordane	BRL	38		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Dieldrin	BRL	3.8		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Endosulfan II	BRL	3.8		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Endrin	BRL	3.8		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Endrin ketone	BRL	3.8		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Methoxychlor	BRL	19		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Toxaphene	BRL	190		ug/Kg-dry	193137	1	7/7/2014 7:11 PM
Surr: Decachlorobiphenyl	77.3	25.2-120		%REC	193137	1	7/7/2014 7:11 PM
Surr: Tetrachloro-m-xylene	63.1	30.5-120		%REC	193137	1	7/7/2014 7:11 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	12.1	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-33-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 10:14:00 AM
Lab ID: 1407013-016
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	200		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
4,4´-DDE	BRL	200		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
4,4´-DDT	BRL	200		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Aldrin	BRL	99		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
alpha-BHC	BRL	99		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
alpha-Chlordane	BRL	99		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
beta-BHC	BRL	99		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Chlordane	10000	2000		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
delta-BHC	BRL	99		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Dieldrin	BRL	200		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Endosulfan I	BRL	99		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Endosulfan II	BRL	200		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Endosulfan sulfate	BRL	200		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Endrin	BRL	200		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Endrin aldehyde	BRL	200		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Endrin ketone	BRL	200		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
gamma-BHC	BRL	99		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
gamma-Chlordane	BRL	99		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Heptachlor	170	99		ug/Kg-dry	193137	50	7/13/2014 1:31 PM
Heptachlor epoxide	BRL	99		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Methoxychlor	BRL	990		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Toxaphene	BRL	9900		ug/Kg-dry	193137	50	7/8/2014 9:26 PM
Surr: Decachlorobiphenyl	135	25.2-120	S	%REC	193137	50	7/8/2014 9:26 PM
Surr: Tetrachloro-m-xylene	204	30.5-120	S	%REC	193137	50	7/8/2014 9:26 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	16.0	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-33-4-5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 10:15:00 AM
Lab ID: 1407013-017
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	5.2	3.9		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
4,4´-DDE	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Aldrin	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Chlordane	280	39		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Dieldrin	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Endrin	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Heptachlor	8.7	2.0		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Methoxychlor	BRL	20		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Toxaphene	BRL	200		ug/Kg-dry	193137	1	7/7/2014 7:22 PM
Surr: Decachlorobiphenyl	101	25.2-120		%REC	193137	1	7/7/2014 7:22 PM
Surr: Tetrachloro-m-xylene	87.2	30.5-120		%REC	193137	1	7/7/2014 7:22 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.7	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-33-8.5-9.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 10:19:00 AM
Lab ID: 1407013-018
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
4,4´-DDE	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Aldrin	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Chlordane	BRL	39		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Dieldrin	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Endrin	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Methoxychlor	BRL	19		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Toxaphene	BRL	190		ug/Kg-dry	193137	1	7/7/2014 7:33 PM
Surr: Decachlorobiphenyl	106	25.2-120		%REC	193137	1	7/7/2014 7:33 PM
Surr: Tetrachloro-m-xylene	93.3	30.5-120		%REC	193137	1	7/7/2014 7:33 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.1	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-32-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 10:45:00 AM
Lab ID: 1407013-020
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	190		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
4,4´-DDE	BRL	190		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
4,4´-DDT	BRL	190		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Aldrin	BRL	97		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
alpha-BHC	BRL	97		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
alpha-Chlordane	BRL	97		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
beta-BHC	BRL	97		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Chlordane	15000	1900		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
delta-BHC	BRL	97		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Dieldrin	BRL	190		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Endosulfan I	BRL	97		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Endosulfan II	BRL	190		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Endosulfan sulfate	BRL	190		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Endrin	BRL	190		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Endrin aldehyde	BRL	190		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Endrin ketone	BRL	190		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
gamma-BHC	BRL	97		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
gamma-Chlordane	BRL	97		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Heptachlor	BRL	97		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Heptachlor epoxide	BRL	97		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Methoxychlor	BRL	970		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Toxaphene	BRL	9700		ug/Kg-dry	193137	50	7/9/2014 1:19 AM
Surr: Decachlorobiphenyl	174	25.2-120	S	%REC	193137	50	7/9/2014 1:19 AM
Surr: Tetrachloro-m-xylene	216	30.5-120	S	%REC	193137	50	7/9/2014 1:19 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.1	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-32-4-5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 10:45:00 AM
Lab ID: 1407013-021
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
4,4´-DDE	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Aldrin	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Chlordane	63	39		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Dieldrin	5.8	3.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Endrin	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Heptachlor epoxide	2.2	1.9		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Methoxychlor	BRL	19		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Toxaphene	BRL	190		ug/Kg-dry	193137	1	7/7/2014 7:44 PM
Surr: Decachlorobiphenyl	58.9	25.2-120		%REC	193137	1	7/7/2014 7:44 PM
Surr: Tetrachloro-m-xylene	50.0	30.5-120		%REC	193137	1	7/7/2014 7:44 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.0	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-32-8.5-9.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 10:50:00 AM
Lab ID: 1407013-022
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
4,4´-DDE	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
4,4´-DDT	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Aldrin	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Chlordane	110	37		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Dieldrin	8.4	3.7		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Endosulfan II	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Endosulfan sulfate	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Endrin	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Endrin aldehyde	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Endrin ketone	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
gamma-BHC	11	1.9		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Heptachlor epoxide	2.0	1.9		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Methoxychlor	BRL	19		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Toxaphene	BRL	190		ug/Kg-dry	193137	1	7/7/2014 9:02 PM
Surr: Decachlorobiphenyl	99.7	25.2-120		%REC	193137	1	7/7/2014 9:02 PM
Surr: Tetrachloro-m-xylene	86.1	30.5-120		%REC	193137	1	7/7/2014 9:02 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	10.7	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-32-10-11'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 10:50:00 AM
Lab ID: 1407013-023
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
4,4´-DDE	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
4,4´-DDT	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Aldrin	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Chlordane	76	37		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Dieldrin	6.2	3.7		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Endosulfan II	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Endosulfan sulfate	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Endrin	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Endrin aldehyde	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Endrin ketone	BRL	3.7		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
gamma-BHC	9.0	1.9		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Methoxychlor	BRL	19		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Toxaphene	BRL	190		ug/Kg-dry	193137	1	7/7/2014 9:13 PM
Surr: Decachlorobiphenyl	99.4	25.2-120		%REC	193137	1	7/7/2014 9:13 PM
Surr: Tetrachloro-m-xylene	80.9	30.5-120		%REC	193137	1	7/7/2014 9:13 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	10.8	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-22-0-2'-B-3
Project: Brookhaven--DPW
Collection Date: 6/30/2014 11:05:00 AM
Lab ID: 1407013-025
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	39		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
4,4´-DDE	BRL	39		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
4,4´-DDT	BRL	39		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Aldrin	BRL	20		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
alpha-BHC	BRL	20		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
alpha-Chlordane	BRL	20		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
beta-BHC	BRL	20		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Chlordane	780	390		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
delta-BHC	BRL	20		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Dieldrin	BRL	39		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Endosulfan I	BRL	20		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Endosulfan II	BRL	39		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Endosulfan sulfate	BRL	39		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Endrin	BRL	39		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Endrin aldehyde	BRL	39		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Endrin ketone	BRL	39		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
gamma-BHC	BRL	20		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
gamma-Chlordane	BRL	20		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Heptachlor	BRL	20		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Heptachlor epoxide	BRL	20		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Methoxychlor	BRL	200		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Toxaphene	BRL	2000		ug/Kg-dry	193137	10	7/9/2014 1:31 AM
Surr: Decachlorobiphenyl	149	25.2-120	S	%REC	193137	10	7/9/2014 1:31 AM
Surr: Tetrachloro-m-xylene	130	30.5-120	S	%REC	193137	10	7/9/2014 1:31 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.3	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-22-4-5'-B-3
Project: Brookhaven--DPW
Collection Date: 6/30/2014 11:05:00 AM
Lab ID: 1407013-026
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	4.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
4,4´-DDE	BRL	4.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
4,4´-DDT	BRL	4.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Aldrin	BRL	2.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Chlordane	BRL	40		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Dieldrin	BRL	4.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Endosulfan II	BRL	4.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Endrin	BRL	4.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Endrin ketone	BRL	4.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Heptachlor	BRL	2.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Methoxychlor	BRL	20		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Toxaphene	BRL	200		ug/Kg-dry	193138	1	7/7/2014 9:25 PM
Surr: Decachlorobiphenyl	77.7	25.2-120		%REC	193138	1	7/7/2014 9:25 PM
Surr: Tetrachloro-m-xylene	69.1	30.5-120		%REC	193138	1	7/7/2014 9:25 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	16.3	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-22-8.5-9.5'-B-3
Project: Brookhaven--DPW
Collection Date: 6/30/2014 11:12:00 AM
Lab ID: 1407013-027
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
4,4´-DDE	BRL	3.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Aldrin	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Chlordane	BRL	39		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Dieldrin	BRL	3.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Endrin	BRL	3.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Methoxychlor	BRL	19		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Toxaphene	BRL	190		ug/Kg-dry	193138	1	7/7/2014 9:36 PM
Surr: Decachlorobiphenyl	80.0	25.2-120		%REC	193138	1	7/7/2014 9:36 PM
Surr: Tetrachloro-m-xylene	63.8	30.5-120		%REC	193138	1	7/7/2014 9:36 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.3	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-22-10-11'-B-3
Project: Brookhaven--DPW
Collection Date: 6/30/2014 11:12:00 AM
Lab ID: 1407013-028
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.8		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
4,4´-DDE	BRL	3.8		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
4,4´-DDT	BRL	3.8		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Aldrin	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Chlordane	BRL	38		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Dieldrin	BRL	3.8		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Endosulfan II	BRL	3.8		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Endrin	BRL	3.8		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Endrin ketone	BRL	3.8		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Methoxychlor	BRL	19		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Toxaphene	BRL	190		ug/Kg-dry	193138	1	7/7/2014 9:47 PM
Surr: Decachlorobiphenyl	84.9	25.2-120		%REC	193138	1	7/7/2014 9:47 PM
Surr: Tetrachloro-m-xylene	64.3	30.5-120		%REC	193138	1	7/7/2014 9:47 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	13.3	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-31-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 11:30:00 AM
Lab ID: 1407013-029
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**		Analyst: **RS**
4,4´-DDD	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
4,4´-DDE	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
4,4´-DDT	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Aldrin	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
alpha-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
alpha-Chlordane	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
beta-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Chlordane	150000	38000		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
delta-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Dieldrin	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Endosulfan I	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Endosulfan II	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Endosulfan sulfate	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Endrin	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Endrin aldehyde	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Endrin ketone	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
gamma-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
gamma-Chlordane	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Heptachlor	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Heptachlor epoxide	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Methoxychlor	BRL	19000		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Toxaphene	BRL	190000		ug/Kg-dry	193138	1000	7/9/2014 1:42 AM
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	193138	1000	7/9/2014 1:42 AM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193138	1000	7/9/2014 1:42 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	11.5	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-31-4-5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 11:30:00 AM
Lab ID: 1407013-030
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	39		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
4,4´-DDE	BRL	39		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
4,4´-DDT	BRL	39		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Aldrin	BRL	20		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
alpha-BHC	BRL	20		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
alpha-Chlordane	BRL	20		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
beta-BHC	BRL	20		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Chlordane	730	390		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
delta-BHC	BRL	20		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Dieldrin	BRL	39		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Endosulfan I	BRL	20		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Endosulfan II	BRL	39		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Endosulfan sulfate	BRL	39		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Endrin	BRL	39		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Endrin aldehyde	BRL	39		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Endrin ketone	BRL	39		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
gamma-BHC	BRL	20		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
gamma-Chlordane	BRL	20		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Heptachlor	BRL	20		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Heptachlor epoxide	BRL	20		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Methoxychlor	BRL	200		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Toxaphene	BRL	2000		ug/Kg-dry	193138	10	7/9/2014 1:53 AM
Surr: Decachlorobiphenyl	104	25.2-120		%REC	193138	10	7/9/2014 1:53 AM
Surr: Tetrachloro-m-xylene	100	30.5-120		%REC	193138	10	7/9/2014 1:53 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.2	0		wt%		1	7/3/2014 10:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-31-9.5-11'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 11:38:00 AM
Lab ID: 1407013-031
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	200		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
4,4´-DDE	BRL	200		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
4,4´-DDT	BRL	200		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Aldrin	BRL	98		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
alpha-BHC	BRL	98		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
alpha-Chlordane	BRL	98		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
beta-BHC	BRL	98		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Chlordane	17000	2000		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
delta-BHC	BRL	98		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Dieldrin	BRL	200		ug/Kg-dry	193138	50	7/13/2014 1:42 PM
Endosulfan I	BRL	98		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Endosulfan II	BRL	200		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Endosulfan sulfate	BRL	200		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Endrin	BRL	200		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Endrin aldehyde	BRL	200		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Endrin ketone	BRL	200		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
gamma-BHC	BRL	98		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
gamma-Chlordane	BRL	98		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Heptachlor	150	98		ug/Kg-dry	193138	50	7/13/2014 1:42 PM
Heptachlor epoxide	BRL	98		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Methoxychlor	BRL	980		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Toxaphene	BRL	9800		ug/Kg-dry	193138	50	7/9/2014 2:04 AM
Surr: Decachlorobiphenyl	135	25.2-120	S	%REC	193138	50	7/9/2014 2:04 AM
Surr: Tetrachloro-m-xylene	70.3	30.5-120		%REC	193138	50	7/9/2014 2:04 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.9	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-22-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 11:57:00 AM
Lab ID: 1407013-033
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	38		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
4,4´-DDE	BRL	38		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
4,4´-DDT	BRL	38		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Aldrin	BRL	19		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
alpha-BHC	BRL	19		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
alpha-Chlordane	BRL	19		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
beta-BHC	BRL	19		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Chlordane	2200	380		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
delta-BHC	BRL	19		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Dieldrin	74	38		ug/Kg-dry	193138	10	7/13/2014 1:53 PM
Endosulfan I	BRL	19		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Endosulfan II	BRL	38		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Endosulfan sulfate	BRL	38		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Endrin	BRL	38		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Endrin aldehyde	BRL	38		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Endrin ketone	BRL	38		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
gamma-BHC	BRL	19		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
gamma-Chlordane	BRL	19		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Heptachlor	BRL	19		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Heptachlor epoxide	BRL	19		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Methoxychlor	BRL	190		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Toxaphene	BRL	1900		ug/Kg-dry	193138	10	7/9/2014 2:15 AM
Surr: Decachlorobiphenyl	144	25.2-120	S	%REC	193138	10	7/9/2014 2:15 AM
Surr: Tetrachloro-m-xylene	113	30.5-120		%REC	193138	10	7/9/2014 2:15 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	13.5	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-22-4-5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 11:57:00 AM
Lab ID: 1407013-034
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
4,4´-DDE	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
4,4´-DDT	3.9	3.8		ug/Kg-dry	193138	1	7/9/2014 3:21 PM
Aldrin	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Chlordane	93	38		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Dieldrin	14	3.8		ug/Kg-dry	193138	1	7/9/2014 3:21 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Endosulfan II	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Endrin	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Endrin ketone	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
gamma-BHC	6.1	1.9		ug/Kg-dry	193138	1	7/13/2014 2:04 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Methoxychlor	BRL	19		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Toxaphene	BRL	190		ug/Kg-dry	193138	1	7/8/2014 7:13 PM
Surr: Decachlorobiphenyl	92.3	25.2-120		%REC	193138	1	7/8/2014 7:13 PM
Surr: Tetrachloro-m-xylene	78.0	30.5-120		%REC	193138	1	7/8/2014 7:13 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	11.4	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-22-8.5-9.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 12:00:00 PM
Lab ID: 1407013-035
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
4,4´-DDE	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
4,4´-DDT	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Aldrin	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Chlordane	BRL	37		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Dieldrin	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Endosulfan II	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Endosulfan sulfate	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Endrin	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Endrin aldehyde	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Endrin ketone	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
gamma-BHC	13	1.9		ug/Kg-dry	193138	1	7/13/2014 2:15 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Methoxychlor	BRL	19		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Toxaphene	BRL	190		ug/Kg-dry	193138	1	7/8/2014 7:24 PM
Surr: Decachlorobiphenyl	88.7	25.2-120		%REC	193138	1	7/8/2014 7:24 PM
Surr: Tetrachloro-m-xylene	73.9	30.5-120		%REC	193138	1	7/8/2014 7:24 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	11.3	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-22-10-11'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 12:00:00 PM
Lab ID: 1407013-036
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
4,4´-DDE	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
4,4´-DDT	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Aldrin	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Chlordane	BRL	37		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Dieldrin	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Endosulfan II	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Endosulfan sulfate	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Endrin	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Endrin aldehyde	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Endrin ketone	BRL	3.7		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
gamma-BHC	9.1	1.9		ug/Kg-dry	193138	1	7/13/2014 2:27 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Methoxychlor	BRL	19		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Toxaphene	BRL	190		ug/Kg-dry	193138	1	7/8/2014 7:35 PM
Surr: Decachlorobiphenyl	102	25.2-120		%REC	193138	1	7/8/2014 7:35 PM
Surr: Tetrachloro-m-xylene	93.4	30.5-120		%REC	193138	1	7/8/2014 7:35 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	10.9	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-21-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 1:45:00 PM
Lab ID: 1407013-039
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
4,4´-DDE	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
4,4´-DDT	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Aldrin	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
alpha-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
alpha-Chlordane	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
beta-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Chlordane	150000	38000		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
delta-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Dieldrin	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Endosulfan I	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Endosulfan II	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Endosulfan sulfate	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Endrin	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Endrin aldehyde	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Endrin ketone	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
gamma-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
gamma-Chlordane	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Heptachlor	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Heptachlor epoxide	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Methoxychlor	BRL	19000		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Toxaphene	BRL	190000		ug/Kg-dry	193138	1000	7/9/2014 2:26 AM
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	193138	1000	7/9/2014 2:26 AM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193138	1000	7/9/2014 2:26 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	13.6	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-21-4-5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 1:55:00 PM
Lab ID: 1407013-040
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	21000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
4,4´-DDE	BRL	21000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
4,4´-DDT	BRL	21000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Aldrin	BRL	11000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
alpha-BHC	BRL	11000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
alpha-Chlordane	BRL	11000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
beta-BHC	BRL	11000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Chlordane	410000	210000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
delta-BHC	BRL	11000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Dieldrin	BRL	21000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Endosulfan I	BRL	11000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Endosulfan II	BRL	21000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Endosulfan sulfate	BRL	21000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Endrin	BRL	21000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Endrin aldehyde	BRL	21000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Endrin ketone	BRL	21000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
gamma-BHC	BRL	11000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
gamma-Chlordane	BRL	11000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Heptachlor	BRL	11000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Heptachlor epoxide	BRL	11000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Methoxychlor	BRL	110000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Toxaphene	BRL	1100000		ug/Kg-dry	193138	5000	7/9/2014 2:37 AM
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	193138	5000	7/9/2014 2:37 AM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193138	5000	7/9/2014 2:37 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	20.9	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-21-8.5-9.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 2:00:00 PM
Lab ID: 1407013-041
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	4.5		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
4,4´-DDE	BRL	4.5		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
4,4´-DDT	BRL	4.5		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Aldrin	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
alpha-BHC	BRL	2.2		ug/Kg-dry	193138	1	7/13/2014 2:38 PM
alpha-Chlordane	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
beta-BHC	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Chlordane	BRL	45		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
delta-BHC	BRL	2.2		ug/Kg-dry	193138	1	7/13/2014 2:38 PM
Dieldrin	BRL	4.5		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Endosulfan I	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Endosulfan II	BRL	4.5		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Endosulfan sulfate	BRL	4.5		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Endrin	BRL	4.5		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Endrin aldehyde	BRL	4.5		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Endrin ketone	BRL	4.5		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
gamma-BHC	43	2.2		ug/Kg-dry	193138	1	7/13/2014 2:38 PM
gamma-Chlordane	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Heptachlor	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Heptachlor epoxide	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Methoxychlor	BRL	22		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Toxaphene	BRL	220		ug/Kg-dry	193138	1	7/8/2014 7:46 PM
Surr: Decachlorobiphenyl	104	25.2-120		%REC	193138	1	7/8/2014 7:46 PM
Surr: Tetrachloro-m-xylene	95.8	30.5-120		%REC	193138	1	7/8/2014 7:46 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	25.9	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-21-14-15'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 1:55:00 PM
Lab ID: 1407013-042
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	4.4		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
4,4´-DDE	BRL	4.4		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
4,4´-DDT	BRL	4.4		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Aldrin	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
alpha-BHC	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
alpha-Chlordane	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
beta-BHC	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Chlordane	97	44		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
delta-BHC	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Dieldrin	BRL	4.4		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Endosulfan I	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Endosulfan II	BRL	4.4		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Endosulfan sulfate	BRL	4.4		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Endrin	BRL	4.4		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Endrin aldehyde	BRL	4.4		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Endrin ketone	BRL	4.4		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
gamma-BHC	29	2.2		ug/Kg-dry	193138	1	7/13/2014 2:49 PM
gamma-Chlordane	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Heptachlor	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Heptachlor epoxide	BRL	2.2		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Methoxychlor	BRL	22		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Toxaphene	BRL	220		ug/Kg-dry	193138	1	7/8/2014 7:57 PM
Surr: Decachlorobiphenyl	90.8	25.2-120		%REC	193138	1	7/8/2014 7:57 PM
Surr: Tetrachloro-m-xylene	82.2	30.5-120		%REC	193138	1	7/8/2014 7:57 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	23.9	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-15-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 2:20:00 PM
Lab ID: 1407013-043
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
4,4´-DDE	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
4,4´-DDT	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Aldrin	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
alpha-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
alpha-Chlordane	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
beta-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Chlordane	170000	38000		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
delta-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Dieldrin	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Endosulfan I	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Endosulfan II	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Endosulfan sulfate	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Endrin	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Endrin aldehyde	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Endrin ketone	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
gamma-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
gamma-Chlordane	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Heptachlor	4500	1900		ug/Kg-dry	193138	1000	7/13/2014 4:31 PM
Heptachlor epoxide	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Methoxychlor	BRL	19000		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Toxaphene	BRL	190000		ug/Kg-dry	193138	1000	7/9/2014 2:48 AM
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	193138	1000	7/9/2014 2:48 AM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193138	1000	7/9/2014 2:48 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	12.1	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-15-5-6'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 2:24:00 PM
Lab ID: 1407013-044
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	60	40		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
4,4´-DDE	BRL	40		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
4,4´-DDT	94	40		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Aldrin	BRL	20		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
alpha-BHC	BRL	20		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
alpha-Chlordane	BRL	20		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
beta-BHC	BRL	20		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Chlordane	1900	400		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
delta-BHC	BRL	20		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Dieldrin	BRL	40		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Endosulfan I	BRL	20		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Endosulfan II	BRL	40		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Endosulfan sulfate	BRL	40		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Endrin	BRL	40		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Endrin aldehyde	BRL	40		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Endrin ketone	BRL	40		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
gamma-BHC	BRL	20		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
gamma-Chlordane	BRL	20		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Heptachlor	BRL	20		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Heptachlor epoxide	BRL	20		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Methoxychlor	BRL	200		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Toxaphene	BRL	2000		ug/Kg-dry	193138	10	7/10/2014 7:45 PM
Surr: Decachlorobiphenyl	96.3	25.2-120		%REC	193138	10	7/10/2014 7:45 PM
Surr: Tetrachloro-m-xylene	93.3	30.5-120		%REC	193138	10	7/10/2014 7:45 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	17.4	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-15-11-12'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 2:25:00 PM
Lab ID: 1407013-045
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	4.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
4,4´-DDE	BRL	4.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
4,4´-DDT	BRL	4.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Aldrin	BRL	2.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
alpha-BHC	BRL	2.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
alpha-Chlordane	BRL	2.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
beta-BHC	BRL	2.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Chlordane	BRL	41		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
delta-BHC	BRL	2.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Dieldrin	BRL	4.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Endosulfan I	BRL	2.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Endosulfan II	BRL	4.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Endosulfan sulfate	BRL	4.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Endrin	BRL	4.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Endrin aldehyde	BRL	4.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Endrin ketone	BRL	4.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
gamma-BHC	BRL	2.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
gamma-Chlordane	BRL	2.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Heptachlor	BRL	2.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Heptachlor epoxide	BRL	2.1		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Methoxychlor	BRL	21		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Toxaphene	BRL	210		ug/Kg-dry	193138	1	7/10/2014 7:56 PM
Surr: Decachlorobiphenyl	106	25.2-120		%REC	193138	1	7/10/2014 7:56 PM
Surr: Tetrachloro-m-xylene	94.8	30.5-120		%REC	193138	1	7/10/2014 7:56 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	19.5	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-15-15-16'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 2:30:00 PM
Lab ID: 1407013-046
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
4,4´-DDE	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
4,4´-DDT	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Aldrin	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Chlordane	BRL	38		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Dieldrin	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Endosulfan II	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Endrin	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Endrin ketone	BRL	3.8		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Methoxychlor	BRL	19		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Toxaphene	BRL	190		ug/Kg-dry	193138	1	7/8/2014 8:19 PM
Surr: Decachlorobiphenyl	99.3	25.2-120		%REC	193138	1	7/8/2014 8:19 PM
Surr: Tetrachloro-m-xylene	86.5	30.5-120		%REC	193138	1	7/8/2014 8:19 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	12.9	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: B-5-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 2:50:00 PM
Lab ID: 1407013-047
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**		Analyst: **RS**
4,4´-DDD	100000	3800		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
4,4´-DDE	BRL	19000		ug/Kg-dry	193138	5000	7/9/2014 1:30 PM
4,4´-DDT	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Aldrin	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
alpha-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
alpha-Chlordane	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
beta-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Chlordane	500000	190000		ug/Kg-dry	193138	5000	7/9/2014 1:30 PM
delta-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Dieldrin	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Endosulfan I	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Endosulfan II	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Endosulfan sulfate	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Endrin	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Endrin aldehyde	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Endrin ketone	BRL	3800		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
gamma-BHC	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
gamma-Chlordane	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Heptachlor	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Heptachlor epoxide	BRL	1900		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Methoxychlor	BRL	19000		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Toxaphene	BRL	190000		ug/Kg-dry	193138	1000	7/9/2014 1:19 PM
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	193138	1000	7/9/2014 1:19 PM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193138	1000	7/9/2014 1:19 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	12.8	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: B-5-4.5-5.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 3:00:00 PM
Lab ID: 1407013-048
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	780000	40000		ug/Kg-dry	193138	10000	7/13/2014 4:09 PM
4,4´-DDE	BRL	20000		ug/Kg-dry	193138	5000	7/9/2014 1:52 PM
4,4´-DDT	190000	20000		ug/Kg-dry	193138	5000	7/9/2014 1:52 PM
Aldrin	BRL	2000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
alpha-BHC	BRL	2000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
alpha-Chlordane	BRL	2000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
beta-BHC	BRL	2000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Chlordane	190000	40000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
delta-BHC	BRL	2000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Dieldrin	BRL	4000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Endosulfan I	BRL	2000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Endosulfan II	BRL	4000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Endosulfan sulfate	BRL	4000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Endrin	BRL	4000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Endrin aldehyde	BRL	4000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Endrin ketone	BRL	4000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
gamma-BHC	BRL	2000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
gamma-Chlordane	BRL	2000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Heptachlor	BRL	2000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Heptachlor epoxide	BRL	2000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Methoxychlor	BRL	20000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Toxaphene	BRL	200000		ug/Kg-dry	193138	1000	7/9/2014 1:41 PM
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	193138	1000	7/9/2014 1:41 PM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193138	1000	7/9/2014 1:41 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	17.5	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: B-5-10-11'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 3:03:00 PM
Lab ID: 1407013-049
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	8.8	7.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
4,4´-DDE	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
4,4´-DDT	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Aldrin	BRL	3.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
alpha-BHC	BRL	3.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
alpha-Chlordane	BRL	3.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
beta-BHC	BRL	3.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Chlordane	81	79		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
delta-BHC	BRL	3.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Dieldrin	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Endosulfan I	BRL	3.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Endosulfan II	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Endosulfan sulfate	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Endrin	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Endrin aldehyde	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Endrin ketone	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
gamma-BHC	BRL	3.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
gamma-Chlordane	BRL	3.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Heptachlor	BRL	3.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Heptachlor epoxide	BRL	3.9		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Methoxychlor	BRL	39		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Toxaphene	BRL	390		ug/Kg-dry	193477	2	7/10/2014 9:13 PM
Surr: Decachlorobiphenyl	54.3	25.2-120		%REC	193477	2	7/10/2014 9:13 PM
Surr: Tetrachloro-m-xylene	58.2	30.5-120		%REC	193477	2	7/10/2014 9:13 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.4	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-14-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 3:39:00 PM
Lab ID: 1407013-051
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	370		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
4,4´-DDE	BRL	370		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
4,4´-DDT	BRL	370		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Aldrin	BRL	180		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
alpha-BHC	BRL	180		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
alpha-Chlordane	BRL	180		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
beta-BHC	BRL	180		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Chlordane	43000	7300		ug/Kg-dry	193191	200	7/10/2014 9:36 PM
delta-BHC	BRL	180		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Dieldrin	990	370		ug/Kg-dry	193191	100	7/9/2014 3:10 PM
Endosulfan I	BRL	180		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Endosulfan II	BRL	370		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Endosulfan sulfate	BRL	370		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Endrin	BRL	370		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Endrin aldehyde	BRL	370		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Endrin ketone	BRL	370		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
gamma-BHC	BRL	180		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
gamma-Chlordane	BRL	180		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Heptachlor	1900	180		ug/Kg-dry	193191	100	7/9/2014 3:10 PM
Heptachlor epoxide	BRL	180		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Methoxychlor	BRL	1800		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Toxaphene	BRL	18000		ug/Kg-dry	193191	100	7/8/2014 9:48 PM
Surr: Decachlorobiphenyl	175	25.2-120	S	%REC	193191	100	7/8/2014 9:48 PM
Surr: Tetrachloro-m-xylene	143	30.5-120	S	%REC	193191	100	7/8/2014 9:48 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	9.20	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-14-4.5-5.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 3:43:00 PM
Lab ID: 1407013-052
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
4,4´-DDE	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
4,4´-DDT	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Aldrin	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Chlordane	85	40		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Dieldrin	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Endosulfan II	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Endrin	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Endrin ketone	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Heptachlor	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Methoxychlor	BRL	20		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Toxaphene	BRL	200		ug/Kg-dry	193191	1	7/8/2014 9:59 PM
Surr: Decachlorobiphenyl	104	25.2-120		%REC	193191	1	7/8/2014 9:59 PM
Surr: Tetrachloro-m-xylene	80.7	30.5-120		%REC	193191	1	7/8/2014 9:59 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	17.4	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-14-10-11'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 3:45:00 PM
Lab ID: 1407013-053
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.8		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
4,4´-DDE	BRL	3.8		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
4,4´-DDT	BRL	3.8		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Aldrin	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Chlordane	BRL	38		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Dieldrin	BRL	3.8		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Endosulfan II	BRL	3.8		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Endrin	BRL	3.8		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Endrin ketone	BRL	3.8		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Methoxychlor	BRL	19		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Toxaphene	BRL	190		ug/Kg-dry	193191	1	7/8/2014 10:10 PM
Surr: Decachlorobiphenyl	97.4	25.2-120		%REC	193191	1	7/8/2014 10:10 PM
Surr: Tetrachloro-m-xylene	87.5	30.5-120		%REC	193191	1	7/8/2014 10:10 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	13.5	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-5-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 4:05:00 PM
Lab ID: 1407013-055
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	370		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
4,4´-DDE	BRL	370		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
4,4´-DDT	BRL	370		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Aldrin	BRL	190		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
alpha-BHC	BRL	190		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
alpha-Chlordane	BRL	190		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
beta-BHC	BRL	190		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Chlordane	11000	3700		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
delta-BHC	BRL	190		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Dieldrin	BRL	370		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Endosulfan I	BRL	190		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Endosulfan II	BRL	370		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Endosulfan sulfate	BRL	370		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Endrin	BRL	370		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Endrin aldehyde	BRL	370		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Endrin ketone	BRL	370		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
gamma-BHC	BRL	190		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
gamma-Chlordane	BRL	190		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Heptachlor	BRL	190		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Heptachlor epoxide	BRL	190		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Methoxychlor	BRL	1900		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Toxaphene	BRL	19000		ug/Kg-dry	193191	100	7/8/2014 10:21 PM
Surr: Decachlorobiphenyl	230	25.2-120	S	%REC	193191	100	7/8/2014 10:21 PM
Surr: Tetrachloro-m-xylene	188	30.5-120	S	%REC	193191	100	7/8/2014 10:21 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	10.9	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-5-4.5-5.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 4:13:00 PM
Lab ID: 1407013-056
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
4,4´-DDE	BRL	3.9		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Aldrin	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Chlordane	BRL	39		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Dieldrin	BRL	3.9		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Endrin	BRL	3.9		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Heptachlor	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Methoxychlor	BRL	20		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Toxaphene	BRL	200		ug/Kg-dry	193191	1	7/8/2014 11:17 PM
Surr: Decachlorobiphenyl	98.5	25.2-120		%REC	193191	1	7/8/2014 11:17 PM
Surr: Tetrachloro-m-xylene	71.5	30.5-120		%REC	193191	1	7/8/2014 11:17 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.6	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-5-10-11'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 4:13:00 PM
Lab ID: 1407013-057
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.7		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
4,4´-DDE	BRL	3.7		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
4,4´-DDT	BRL	3.7		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Aldrin	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Chlordane	BRL	37		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Dieldrin	BRL	3.7		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Endosulfan II	BRL	3.7		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Endosulfan sulfate	BRL	3.7		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Endrin	BRL	3.7		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Endrin aldehyde	BRL	3.7		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Endrin ketone	BRL	3.7		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Methoxychlor	BRL	19		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Toxaphene	BRL	190		ug/Kg-dry	193191	1	7/8/2014 11:28 PM
Surr: Decachlorobiphenyl	94.3	25.2-120		%REC	193191	1	7/8/2014 11:28 PM
Surr: Tetrachloro-m-xylene	80.9	30.5-120		%REC	193191	1	7/8/2014 11:28 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	10.2	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-6-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 4:38:00 PM
Lab ID: 1407013-059
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	18	3.9		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
4,4´-DDE	BRL	39		ug/Kg-dry	193191	10	7/8/2014 11:39 PM
4,4´-DDT	180	39		ug/Kg-dry	193477	10	7/14/2014 6:07 PM
Aldrin	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Chlordane	2100	390		ug/Kg-dry	193191	10	7/8/2014 11:39 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Dieldrin	5.2	3.9		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Endosulfan II	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Endrin	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Endrin ketone	BRL	3.9		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Heptachlor	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Methoxychlor	BRL	20		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Toxaphene	BRL	200		ug/Kg-dry	193477	1	7/10/2014 9:24 PM
Surr: Decachlorobiphenyl	71.7	25.2-120		%REC	193477	1	7/10/2014 9:24 PM
Surr: Tetrachloro-m-xylene	72.8	30.5-120		%REC	193477	1	7/10/2014 9:24 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.2	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-6-4.5-5.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 4:36:00 PM
Lab ID: 1407013-060
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
4,4´-DDE	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
4,4´-DDT	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Aldrin	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
alpha-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
beta-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Chlordane	BRL	40		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
delta-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Dieldrin	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Endosulfan I	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Endosulfan II	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Endrin	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Endrin ketone	BRL	4.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
gamma-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Heptachlor	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Methoxychlor	BRL	20		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Toxaphene	BRL	200		ug/Kg-dry	193191	1	7/8/2014 11:50 PM
Surr: Decachlorobiphenyl	116	25.2-120		%REC	193191	1	7/8/2014 11:50 PM
Surr: Tetrachloro-m-xylene	93.4	30.5-120		%REC	193191	1	7/8/2014 11:50 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.9	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-6-10-11'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 4:40:00 PM
Lab ID: 1407013-061
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
4,4´-DDE	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Aldrin	BRL	1.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
alpha-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
beta-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Chlordane	BRL	39		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
delta-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Dieldrin	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Endosulfan I	BRL	1.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Endosulfan II	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Endrin	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Endrin ketone	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
gamma-BHC	BRL	1.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Heptachlor	BRL	1.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Methoxychlor	BRL	19		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Toxaphene	BRL	190		ug/Kg-dry	193191	1	7/9/2014 12:02 AM
Surr: Decachlorobiphenyl	103	25.2-120		%REC	193191	1	7/9/2014 12:02 AM
Surr: Tetrachloro-m-xylene	70.1	30.5-120		%REC	193191	1	7/9/2014 12:02 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.0	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-3-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 4:56:00 PM
Lab ID: 1407013-063
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
4,4´-DDE	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
4,4´-DDT	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Aldrin	BRL	4.0		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
alpha-BHC	BRL	4.0		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
alpha-Chlordane	BRL	4.0		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
beta-BHC	BRL	4.0		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Chlordane	130	79		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
delta-BHC	BRL	4.0		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Dieldrin	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Endosulfan I	BRL	4.0		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Endosulfan II	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Endosulfan sulfate	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Endrin	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Endrin aldehyde	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Endrin ketone	BRL	7.9		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
gamma-BHC	BRL	4.0		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
gamma-Chlordane	BRL	4.0		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Heptachlor	BRL	4.0		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Heptachlor epoxide	BRL	4.0		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Methoxychlor	BRL	40		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Toxaphene	BRL	400		ug/Kg-dry	193477	2	7/10/2014 9:47 PM
Surr: Decachlorobiphenyl	67.9	25.2-120		%REC	193477	2	7/10/2014 9:47 PM
Surr: Tetrachloro-m-xylene	70.1	30.5-120		%REC	193477	2	7/10/2014 9:47 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.7	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-3-4.5-5.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 4:56:00 PM
Lab ID: 1407013-064
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
4,4´-DDE	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Aldrin	BRL	2.0		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
alpha-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
beta-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Chlordane	BRL	39		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
delta-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Dieldrin	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Endosulfan I	BRL	2.0		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Endosulfan II	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Endrin	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Endrin ketone	BRL	3.9		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
gamma-BHC	BRL	2.0		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Heptachlor	BRL	2.0		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Methoxychlor	BRL	20		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Toxaphene	BRL	200		ug/Kg-dry	193191	1	7/9/2014 12:24 AM
Surr: Decachlorobiphenyl	123	25.2-120	S	%REC	193191	1	7/9/2014 12:24 AM
Surr: Tetrachloro-m-xylene	95.6	30.5-120		%REC	193191	1	7/9/2014 12:24 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.7	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-3-10-11'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 5:00:00 PM
Lab ID: 1407013-065
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
4,4´-DDE	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
4,4´-DDT	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Aldrin	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
alpha-BHC	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
beta-BHC	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Chlordane	BRL	38		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
delta-BHC	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Dieldrin	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Endosulfan I	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Endosulfan II	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Endrin	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Endrin ketone	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
gamma-BHC	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Heptachlor	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Methoxychlor	BRL	19		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Toxaphene	BRL	190		ug/Kg-dry	193192	1	7/9/2014 12:35 AM
Surr: Decachlorobiphenyl	107	25.2-120		%REC	193192	1	7/9/2014 12:35 AM
Surr: Tetrachloro-m-xylene	78.9	30.5-120		%REC	193192	1	7/9/2014 12:35 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	12.6	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-4-0-2'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 5:18:00 PM
Lab ID: 1407013-067
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	7.8		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
4,4´-DDE	BRL	7.8		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
4,4´-DDT	BRL	7.8		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Aldrin	BRL	3.9		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
alpha-BHC	BRL	3.9		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
alpha-Chlordane	BRL	3.9		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
beta-BHC	BRL	3.9		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Chlordane	400	78		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
delta-BHC	BRL	3.9		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Dieldrin	BRL	7.8		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Endosulfan I	BRL	3.9		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Endosulfan II	BRL	7.8		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Endosulfan sulfate	BRL	7.8		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Endrin	BRL	7.8		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Endrin aldehyde	BRL	7.8		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Endrin ketone	BRL	7.8		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
gamma-BHC	BRL	3.9		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
gamma-Chlordane	BRL	3.9		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Heptachlor	BRL	3.9		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Heptachlor epoxide	BRL	3.9		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Methoxychlor	BRL	39		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Toxaphene	BRL	390		ug/Kg-dry	193192	2	7/10/2014 9:58 PM
Surr: Decachlorobiphenyl	78.5	25.2-120		%REC	193192	2	7/10/2014 9:58 PM
Surr: Tetrachloro-m-xylene	78.3	30.5-120		%REC	193192	2	7/10/2014 9:58 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.5	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-4-4.5-5.5'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 5:18:00 PM
Lab ID: 1407013-068
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.9		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
4,4´-DDE	BRL	3.9		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
4,4´-DDT	BRL	3.9		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Aldrin	BRL	2.0		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
alpha-BHC	BRL	2.0		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
beta-BHC	BRL	2.0		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Chlordane	BRL	39		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
delta-BHC	BRL	2.0		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Dieldrin	BRL	3.9		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Endosulfan I	BRL	2.0		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Endosulfan II	BRL	3.9		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Endrin	BRL	3.9		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Endrin ketone	BRL	3.9		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
gamma-BHC	BRL	2.0		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Heptachlor	BRL	2.0		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Methoxychlor	BRL	20		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Toxaphene	BRL	200		ug/Kg-dry	193192	1	7/9/2014 12:57 AM
Surr: Decachlorobiphenyl	120	25.2-120	S	%REC	193192	1	7/9/2014 12:57 AM
Surr: Tetrachloro-m-xylene	96.4	30.5-120		%REC	193192	1	7/9/2014 12:57 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	15.3	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *17-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-4-10-11'
Project: Brookhaven--DPW
Collection Date: 6/30/2014 5:23:00 PM
Lab ID: 1407013-069
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **RS**
4,4´-DDD	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
4,4´-DDE	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
4,4´-DDT	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Aldrin	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
alpha-BHC	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
beta-BHC	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Chlordane	BRL	38		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
delta-BHC	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Dieldrin	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Endosulfan I	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Endosulfan II	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Endrin	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Endrin ketone	BRL	3.8		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
gamma-BHC	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Heptachlor	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Methoxychlor	BRL	19		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Toxaphene	BRL	190		ug/Kg-dry	193192	1	7/9/2014 1:08 AM
Surr: Decachlorobiphenyl	117	25.2-120		%REC	193192	1	7/9/2014 1:08 AM
Surr: Tetrachloro-m-xylene	73.7	30.5-120		%REC	193192	1	7/9/2014 1:08 AM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	12.8	0		wt%		1	7/8/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

August 06, 2014

Kristen Rivera
EarthCon Consultants, Inc.
1880 West Oak Parkway
Marietta GA 30062

TEL: (770) 973-2100
FAX: (770) 973-7395

RE: Brookhaven

Dear Kristen Rivera: Order No: 1407116

Analytical Environmental Services, Inc. received 60 samples on 7/2/2014 7:43:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

CRKanhai

Chantelle Kanhai
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1407116

Date: 7/1/14 Page 1 of 6

COMPANY:	ADDRESS:
EARTHCON	1880 W. Oak Pkwy Bldg 100, Suite 106 Marietta, GA 30062
PHONE: 7-973-2100	FAX: 7-973-7395
SAMPLED BY: Kristen Rivera	SIGNATURE: Kristen Rivera

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCLP SVOC	TCL PEST #only	PRESERVATION (See codes) NA	NA	REMARKS	No # of Containers
1	SB-01-0-2'	7/1/14	0853		X	SO	X		X			
2	SB-01-4.5-5.5'		0855		X	SO	X		X			
3	SB-01-10-11'		0857		X	SO				X		
4	SB-01-11-12'		0857							X		
5	SB-09-0-2'		0911						X			
6	SB-09-4.5-5.5'		0912						X			
7	SB-09-10-11'		0915							X		
8	SB-08-0-2'		0928						X			
9	SB-08-4.5-5.5'		0929						X			
10	SB-08-10-11'		0933							X		
11	SB-11-0-2'		0945						X			
12	SB-11-4.5-5.5'		0947						X			
13	SB-11-10-11'		0950							X		
14	SB-07-0-2'	↓	1005		↓	↓						

Visit our website **www.aesatlanta.com** to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	7/2/14	1:	
2:		2: [signature]	7/2/14 7:43
3:		3:	

PROJECT INFORMATION

PROJECT NAME: BROOKHAVEN
PROJECT #: 02.20140272
SITE ADDRESS: 2600 Apple Valley Rd Atlanta, GA 30319
SEND REPORT TO: Kristen Rivera
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush **(auth req.)**
- ○ Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

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ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1407116

Date: 7/1/14 Page 2 of 6

COMPANY: EARTHCON

ADDRESS: 1880 W. Oak Pkwy Bldg 100, Ste 106 Marietta, GA 30062

PHONE: 7-973-2100

FAX:

SAMPLED BY: Kristen Rivera

SIGNATURE: Kristen Rivera

ANALYSIS REQUESTED

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCL PEST	TCL PEST HpLp	REMARKS	No # of Containers
	PRESERVATION (See codes)						NA	NA		
1	SB-07-4.5-5.5'	7/1/14	1007		X	SO	X			
2	SB-07-10-11'		1010					X		
3	SB-02-0-2'		1025				X			
4	SB-02-4.5-5.5'		1023				X			
5	SB-02-10-11'		1026					X		
6	SB-12-0-2'		1041				X			
7	SB-12-4.5-5.5'		1045				X			
8	SB-12-10-11'		1045					X		
9	SB-26-0-2'		1138				X			
10	SB-26-4.5-5.5'		1146				X			
11	SB-26-14-15'		1149				X	X		
12	SB-18-0-2'		1302				X			
13	SB-18 4.5-5.5'		1308				X			
14	SB-18-9.5-10.5'	↓	1308		↓	↓	X			

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	7/2/14	1:	
2:		2:	7/2/14 7:43
3:		3:	

PROJECT INFORMATION

PROJECT NAME: BROOKHAVEN

PROJECT #: 02.20140272

SITE ADDRESS: 2600 Apple Valley Rd Atlanta, GA 30319

SEND REPORT TO: Kristen Rivera

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER

Page 3 of 74

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1407116

Date: 7/1/14 Page 3 of 6

COMPANY: EARTHCON

ADDRESS: 1880 W. Oak Pkwy Bldg 100, Ste 106 Marietta, GA 30062

PHONE: 7-973-2100

FAX:

SAMPLED BY: Kristen Rivera

SIGNATURE: Kristen Rivera

ANALYSIS REQUESTED

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCL PEST HOLD (NA)	TCL PEST (NA)	REMARKS	No # of Containers
1	SB-18-13-14'	7/1/14	1313		X	SO	X			
2	SB-18-14-15'		1313				X			
3	SB-25-1-2'		1329				X			
4	SB-25-9.5-10.5'		1336				X			
5	SB-25-11-12'		1336				X			
6	B-2-1-3'		1348				X			
7	B-2-5-6'		1352				X			
8	B-2-10-11'		1354				X			
9	B-2-11-12'		1354				X			
10	SB-28-0-2'		1408				X			
11	SB-28-4-5'		1410				X			
12	SB-28-6-7'		1413					X		
13	SB-29-0-2'		1443				X			
14	SB-29-4.5-5.5'		1445				X			

PRESERVATION (See codes)

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	7/2/14	1:	
2:		2: [signature]	7/2/14 7:43
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: BROOKHAVEN
PROJECT #: 02.20140272
SITE ADDRESS: 2600 Apple Valley Rd Atlanta, GA 30319
SEND REPORT TO: Kristen Rivera
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers

Turnaround Time Request
- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

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PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1407116

Date: 7/1/14 Page 4 of 6

COMPANY:	ADDRESS:
EARTHCON	1880 W. Oak Pkwy Bldg 100, Ste 106 Marietta GA 30062
PHONE: 7-973-2100	FAX:
SAMPLED BY: Kristen Rivera	SIGNATURE: Kristen Rivera

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes) NA	NA	ANALYSIS REQUESTED: TCL PEST	TCL PEST	Hold	REMARKS	No # of Containers
1	SB-29-6-7'	7/1/14	1445		X	SO	X						
2	SB-29-9-10'		1448					X					
3	SB-37-0-2'		1502				X						
4	SB-37-2-3'		1502				X						
5	SB-37-4.5-5.5'		1510				X						
6	SB-37-9.5-10.5'		1512					X					
7	SB-38-1-3'		1530				X						
8	SB-38-5-6'		1532				X						
9	SB-38-9-10'		1534					X					
10	SB-57-0-2'		1550				X						
11	SB-57-4.5-5.5'		1557				X						
12	SB-57-9-10'		1556					X					
13	SB-57-10-11'		1556					X					
14	SB-30-0-2'		1628				X						

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	7/2/14	1:	
2:		2: [signature]	7/2/14 7:43
3:		3:	

PROJECT INFORMATION

PROJECT NAME: BROOKHAVEN

PROJECT #: 02.20140272

SITE ADDRESS: 2600 Apple Valley Rd Atlanta GA 30319

SEND REPORT TO: Kristen Rivera

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER

Page 5 of 74

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1407116

Date: 7/1/14 Page 5 of 6

COMPANY:	ADDRESS:
EARTHCON	1880 W. Oak Pkwy Bldg 100, Ste 106 Marietta GA 30062
PHONE: 7-973-2100	FAX:
SAMPLED BY: Kristen Rivera	SIGNATURE: Kristen Rivera

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	ANALYSIS REQUESTED: TAL PCBT	TAL PCBT	PRESERVATION (See codes): NA	NA	REMARKS	No # of Containers
1	SB-30-4.5-5.5'	7/1/14	~~1628~~	1631	X	SO			X			
2	SB-30-9-10'		~~1634~~	1632						X		
3	SB-34-0-2'		~~1632~~	1642					X			
4	SB-34-4.5-5.5'		~~1642~~	1643					X			
5	SB-34-9-10'		~~1643~~	1645						X		
6	SB-40-0-2'		~~1645~~	1658					X			
7	SB-40-4.5-5.5'		~~1658~~	1659					X			
8	SB-40-9-10'		~~1659~~	1720					~~X~~	X		
9	SB-44-0-2		1705						X	~~X~~ ice		
10	SB-44-4.5-5.5'		1717						X			
11	SB-44-9-10'		1720							X		
12	B-1-0-2'		1730						X			
13	B-1-4.5-5.5'		1733						X			
14	B-1-9-10'	↓	1735		↓	↓				X		

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	7/2/14	1:	
2:		2: [signature]	7/2/14 7:43
3:		3:	

PROJECT INFORMATION

PROJECT NAME: BROOKHAVEN

PROJECT #: 62.2014.0272

SITE ADDRESS: 2400 Apple Valley Rd Atlanta GA 30319

SEND REPORT TO: Kristen Rivera

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1407116

Date: 7/1/14 Page 6 of 6

COMPANY:	ADDRESS:
EARTHCON	1880 W. Oak Pkwy Bldg 100, Ste 104 Marietta, GA 30062
PHONE: 7-973-2100	FAX:
SAMPLED BY: Kristen Rivera	SIGNATURE: Kristen Rivera

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCL PEST	TCL PEST	No # of Containers	REMARKS
							PRESERVATION (See codes)			
							NA	NA		
1	SB-45-0-2'	7/1/14	1745		X	SO	X			
2	SB-45-4.5-5.5'	"	1747		"	"	X	X		
3	SB-45-9-10'		1749					X		
4	SB-39-3-5'		1603				X			
5	SB-39-5-6'		1605				X			
6	SB-39-9-10'		1608					X		
7	SB-35-0-2'		1820				X			
8	SB-35-4.5-5.5'		1826				X			
9	SB-35-9-10'		1830					X		
10	SB-16-0-2'		1848				X			
11	SB-16-4.5-5.5'		1852				X			
12	SB-16-9.5-10.5'		1854				X			
13	SB-16-14-15'		1856			V		X		
14	RINSE 001	V	1127		V	W	X			limited sample

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	7/2/14	1:	
2:		2: [signature]	7/2/14 7:43
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: BROOKHAVEN
PROJECT #: G2 20140272
SITE ADDRESS: 21000 Apple Valley Rd Atlanta, GA 30319
SEND REPORT TO: Kristen Rivera
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers

Turnaround Time Request
- ○ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

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White Copy - Original; Yellow Copy - Client

Client: EarthCon Consultants, Inc.
Project: Brookhaven
Lab ID: 1407116

Case Narrative

Pesticides Analysis by Method 8081B:

Due to sample matrix, samples 1704116-017, 023, -038, -041, -045, -046, -049, -052, -068, -069 and -080 required dilution during analysis resulting in elevated reporting limits.

Endrin is reported biased low due to low recoveries in the closing CCVs. These low recoveries in the closing CCVs are suspected to be due to interference from the matrix of the samples.

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-01-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 8:53:00 AM
Lab ID:	1407116-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
4,4´-DDE	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
4,4´-DDT	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Aldrin	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
alpha-BHC	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
alpha-Chlordane	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
beta-BHC	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Chlordane	BRL	37		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
delta-BHC	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Dieldrin	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Endosulfan I	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Endosulfan II	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Endosulfan sulfate	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Endrin	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Endrin aldehyde	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Endrin ketone	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
gamma-BHC	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
gamma-Chlordane	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Heptachlor	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Heptachlor epoxide	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Methoxychlor	BRL	18		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Toxaphene	BRL	180		ug/Kg-dry	193192	1	07/09/2014 17:30	RS
Surr: Decachlorobiphenyl	86	25.2-120		%REC	193192	1	07/09/2014 17:30	RS
Surr: Tetrachloro-m-xylene	77.4	30.5-120		%REC	193192	1	07/09/2014 17:30	RS
PERCENT MOISTURE D2216								
Percent Moisture	9.26	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-01-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 8:55:00 AM
Lab ID:	1407116-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Aldrin	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Chlordane	BRL	39		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Dieldrin	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Endrin	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Methoxychlor	BRL	20		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Toxaphene	BRL	200		ug/Kg-dry	193192	1	07/09/2014 17:41	RS
Surr: Decachlorobiphenyl	86.5	25.2-120		%REC	193192	1	07/09/2014 17:41	RS
Surr: Tetrachloro-m-xylene	80.1	30.5-120		%REC	193192	1	07/09/2014 17:41	RS
PERCENT MOISTURE D2216								
Percent Moisture	15.4	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-09-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 9:11:00 AM
Lab ID:	1407116-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	7.4	3.7		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
4,4´-DDE	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
4,4´-DDT	5.5	3.7		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Aldrin	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
alpha-BHC	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
alpha-Chlordane	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
beta-BHC	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Chlordane	BRL	37		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
delta-BHC	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Dieldrin	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Endosulfan I	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Endosulfan II	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Endosulfan sulfate	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Endrin	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Endrin aldehyde	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Endrin ketone	BRL	3.7		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
gamma-BHC	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
gamma-Chlordane	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Heptachlor	BRL	1.8		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Heptachlor epoxide	2.4	1.8		ug/Kg-dry	193192	1	07/14/2014 18:18	KD
Methoxychlor	BRL	18		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Toxaphene	BRL	180		ug/Kg-dry	193192	1	07/09/2014 17:55	RS
Surr: Decachlorobiphenyl	76.2	25.2-120		%REC	193192	1	07/09/2014 17:55	RS
Surr: Tetrachloro-m-xylene	72.6	30.5-120		%REC	193192	1	07/09/2014 17:55	RS
PERCENT MOISTURE D2216								
Percent Moisture	9.72	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-09-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 9:12:00 AM
Lab ID:	1407116-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.5		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
4,4´-DDE	BRL	4.5		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
4,4´-DDT	BRL	4.5		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Aldrin	BRL	2.2		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
alpha-BHC	BRL	2.2		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
alpha-Chlordane	BRL	2.2		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
beta-BHC	BRL	2.2		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Chlordane	BRL	45		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
delta-BHC	BRL	2.2		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Dieldrin	BRL	4.5		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Endosulfan I	BRL	2.2		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Endosulfan II	BRL	4.5		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Endosulfan sulfate	BRL	4.5		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Endrin	BRL	4.5		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Endrin aldehyde	BRL	4.5		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Endrin ketone	BRL	4.5		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
gamma-BHC	BRL	2.2		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
gamma-Chlordane	BRL	2.2		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Heptachlor	BRL	2.2		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Heptachlor epoxide	BRL	2.2		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Methoxychlor	BRL	22		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Toxaphene	BRL	220		ug/Kg-dry	193192	1	07/09/2014 18:06	RS
Surr: Decachlorobiphenyl	91.3	25.2-120		%REC	193192	1	07/09/2014 18:06	RS
Surr: Tetrachloro-m-xylene	76.3	30.5-120		%REC	193192	1	07/09/2014 18:06	RS
PERCENT MOISTURE D2216								
Percent Moisture	25.8	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-08-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 9:28:00 AM
Lab ID:	1407116-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.2		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
4,4´-DDE	BRL	4.2		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
4,4´-DDT	BRL	4.2		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Aldrin	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
alpha-BHC	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
alpha-Chlordane	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
beta-BHC	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Chlordane	BRL	42		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
delta-BHC	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Dieldrin	BRL	4.2		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Endosulfan I	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Endosulfan II	BRL	4.2		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Endosulfan sulfate	BRL	4.2		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Endrin	BRL	4.2		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Endrin aldehyde	BRL	4.2		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Endrin ketone	BRL	4.2		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
gamma-BHC	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
gamma-Chlordane	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Heptachlor	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Heptachlor epoxide	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Methoxychlor	BRL	21		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Toxaphene	BRL	210		ug/Kg-dry	193192	1	07/09/2014 18:17	RS
Surr: Decachlorobiphenyl	95.3	25.2-120		%REC	193192	1	07/09/2014 18:17	RS
Surr: Tetrachloro-m-xylene	81.3	30.5-120		%REC	193192	1	07/09/2014 18:17	RS
PERCENT MOISTURE D2216								
Percent Moisture	21.3	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-08-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 9:29:00 AM
Lab ID:	1407116-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Aldrin	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Chlordane	BRL	40		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Dieldrin	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Endrin	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Methoxychlor	BRL	20		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Toxaphene	BRL	200		ug/Kg-dry	193192	1	07/09/2014 18:28	RS
Surr: Decachlorobiphenyl	97.4	25.2-120		%REC	193192	1	07/09/2014 18:28	RS
Surr: Tetrachloro-m-xylene	88.5	30.5-120		%REC	193192	1	07/09/2014 18:28	RS
PERCENT MOISTURE D2216								
Percent Moisture	16.6	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-11-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 9:45:00 AM
Lab ID:	1407116-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
4,4´-DDE	28	3.8		ug/Kg-dry	193192	1	07/14/2014 18:29	KD
4,4´-DDT	20	3.8		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Aldrin	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Chlordane	130	38		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Dieldrin	BRL	3.8		ug/Kg-dry	193192	1	07/14/2014 18:29	KD
Endosulfan I	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Endosulfan II	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Endrin	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Endrin ketone	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Heptachlor epoxide	12	1.9		ug/Kg-dry	193192	1	07/14/2014 18:29	KD
Methoxychlor	BRL	19		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Toxaphene	BRL	190		ug/Kg-dry	193192	1	07/09/2014 18:39	RS
Surr: Decachlorobiphenyl	87.5	25.2-120		%REC	193192	1	07/09/2014 18:39	RS
Surr: Tetrachloro-m-xylene	75.1	30.5-120		%REC	193192	1	07/09/2014 18:39	RS
PERCENT MOISTURE D2216								
Percent Moisture	11.4	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-11-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 9:47:00 AM
Lab ID:	1407116-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Aldrin	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Chlordane	BRL	39		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Dieldrin	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Endrin	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Methoxychlor	BRL	20		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Toxaphene	BRL	200		ug/Kg-dry	193192	1	07/09/2014 18:50	RS
Surr: Decachlorobiphenyl	93.5	25.2-120		%REC	193192	1	07/09/2014 18:50	RS
Surr: Tetrachloro-m-xylene	83.3	30.5-120		%REC	193192	1	07/09/2014 18:50	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.7	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-07-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 10:05:00 AM
Lab ID:	1407116-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Aldrin	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Chlordane	BRL	39		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Dieldrin	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Endrin	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Methoxychlor	BRL	20		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Toxaphene	BRL	200		ug/Kg-dry	193192	1	07/09/2014 19:01	RS
Surr: Decachlorobiphenyl	110	25.2-120		%REC	193192	1	07/09/2014 19:01	RS
Surr: Tetrachloro-m-xylene	83.2	30.5-120		%REC	193192	1	07/09/2014 19:01	RS
PERCENT MOISTURE D2216								
Percent Moisture	15.0	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-07-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 10:07:00 AM
Lab ID:	1407116-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Aldrin	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Chlordane	BRL	40		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Dieldrin	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Endrin	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Methoxychlor	BRL	20		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Toxaphene	BRL	200		ug/Kg-dry	193192	1	07/09/2014 19:12	RS
Surr: Decachlorobiphenyl	80.1	25.2-120		%REC	193192	1	07/09/2014 19:12	RS
Surr: Tetrachloro-m-xylene	72.8	30.5-120		%REC	193192	1	07/09/2014 19:12	RS
PERCENT MOISTURE D2216								
Percent Moisture	17.6	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-02-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 10:25:00 AM
Lab ID:	1407116-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
4,4´-DDE	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
4,4´-DDT	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Aldrin	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
alpha-BHC	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
alpha-Chlordane	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
beta-BHC	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Chlordane	BRL	41		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
delta-BHC	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Dieldrin	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Endosulfan I	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Endosulfan II	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Endosulfan sulfate	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Endrin	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Endrin aldehyde	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Endrin ketone	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
gamma-BHC	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
gamma-Chlordane	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Heptachlor	BRL	2.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Heptachlor epoxide	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Methoxychlor	BRL	21		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Toxaphene	BRL	210		ug/Kg-dry	193192	1	07/09/2014 19:23	RS
Surr: Decachlorobiphenyl	94.7	25.2-120		%REC	193192	1	07/09/2014 19:23	RS
Surr: Tetrachloro-m-xylene	79.9	30.5-120		%REC	193192	1	07/09/2014 19:23	RS
PERCENT MOISTURE D2216								
Percent Moisture	18.7	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-02-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 10:23:00 AM
Lab ID:	1407116-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
4,4´-DDE	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
4,4´-DDT	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Aldrin	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Chlordane	BRL	41		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Dieldrin	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Endosulfan II	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Endosulfan sulfate	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Endrin	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Endrin aldehyde	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Endrin ketone	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Methoxychlor	BRL	20		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Toxaphene	BRL	200		ug/Kg-dry	193192	1	07/09/2014 19:35	RS
Surr: Decachlorobiphenyl	75.4	25.2-120		%REC	193192	1	07/09/2014 19:35	RS
Surr: Tetrachloro-m-xylene	68	30.5-120		%REC	193192	1	07/09/2014 19:35	RS
PERCENT MOISTURE D2216								
Percent Moisture	18.0	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-12-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 10:41:00 AM
Lab ID:	1407116-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
4,4´-DDE	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
4,4´-DDT	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Aldrin	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Chlordane	94	38		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Dieldrin	BRL	3.8		ug/Kg-dry	193192	1	07/14/2014 18:40	KD
Endosulfan I	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Endosulfan II	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Endrin	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Endrin ketone	BRL	3.8		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193192	1	07/14/2014 18:40	KD
Methoxychlor	BRL	19		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Toxaphene	BRL	190		ug/Kg-dry	193192	1	07/09/2014 19:46	RS
Surr: Decachlorobiphenyl	100	25.2-120		%REC	193192	1	07/09/2014 19:46	RS
Surr: Tetrachloro-m-xylene	74.7	30.5-120		%REC	193192	1	07/09/2014 19:46	RS
PERCENT MOISTURE D2216								
Percent Moisture	13.3	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-12-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 10:45:00 AM
Lab ID:	1407116-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
4,4´-DDE	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
4,4´-DDT	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Aldrin	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Chlordane	BRL	41		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Dieldrin	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Endosulfan II	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Endosulfan sulfate	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Endrin	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Endrin aldehyde	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Endrin ketone	BRL	4.1		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Methoxychlor	BRL	20		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Toxaphene	BRL	200		ug/Kg-dry	193192	1	07/09/2014 19:57	RS
Surr: Decachlorobiphenyl	94.3	25.2-120		%REC	193192	1	07/09/2014 19:57	RS
Surr: Tetrachloro-m-xylene	76.9	30.5-120		%REC	193192	1	07/09/2014 19:57	RS
PERCENT MOISTURE D2216								
Percent Moisture	18.1	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-26-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 11:38:00 AM
Lab ID:	1407116-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	180		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
4,4´-DDE	BRL	180		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
4,4´-DDT	220	180		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Aldrin	BRL	92		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
alpha-BHC	BRL	92		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
alpha-Chlordane	BRL	92		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
beta-BHC	BRL	92		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Chlordane	6400	1800		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
delta-BHC	BRL	92		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Dieldrin	330	180		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Endosulfan I	BRL	92		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Endosulfan II	BRL	180		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Endosulfan sulfate	BRL	180		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Endrin	BRL	180		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Endrin aldehyde	BRL	180		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Endrin ketone	BRL	180		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
gamma-BHC	BRL	92		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
gamma-Chlordane	BRL	92		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Heptachlor	BRL	92		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Heptachlor epoxide	460	92		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Methoxychlor	BRL	920		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Toxaphene	BRL	9200		ug/Kg-dry	193192	50	07/17/2014 13:15	RS
Surr: Decachlorobiphenyl	130	25.2-120	S	%REC	193192	50	07/17/2014 13:15	RS
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193192	50	07/17/2014 13:15	RS
PERCENT MOISTURE D2216								
Percent Moisture	9.66	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-26-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 11:46:00 AM
Lab ID:	1407116-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Aldrin	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Chlordane	BRL	40		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Dieldrin	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Endrin	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Methoxychlor	BRL	20		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Toxaphene	BRL	200		ug/Kg-dry	193192	1	07/09/2014 20:08	RS
Surr: Decachlorobiphenyl	93.6	25.2-120		%REC	193192	1	07/09/2014 20:08	RS
Surr: Tetrachloro-m-xylene	83.4	30.5-120		%REC	193192	1	07/09/2014 20:08	RS
PERCENT MOISTURE D2216								
Percent Moisture	17.6	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-18-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:02:00 PM
Lab ID:	1407116-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Aldrin	BRL	1.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Chlordane	230	39		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Dieldrin	29	3.9		ug/Kg-dry	193262	1	07/14/2014 18:52	KD
Endosulfan I	BRL	1.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Endrin	BRL	3.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Methoxychlor	BRL	19		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Toxaphene	BRL	190		ug/Kg-dry	193262	1	07/09/2014 21:03	RS
Surr: Decachlorobiphenyl	90.5	25.2-120		%REC	193262	1	07/09/2014 21:03	RS
Surr: Tetrachloro-m-xylene	78.7	30.5-120		%REC	193262	1	07/09/2014 21:03	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.1	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-18-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:08:00 PM
Lab ID:	1407116-027	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.8		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
4,4´-DDE	BRL	3.8		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
4,4´-DDT	BRL	3.8		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Aldrin	BRL	1.9		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Chlordane	BRL	38		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Dieldrin	BRL	3.8		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Endosulfan I	BRL	1.9		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Endosulfan II	BRL	3.8		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Endrin	BRL	3.8		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Endrin ketone	BRL	3.8		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Methoxychlor	BRL	19		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Toxaphene	BRL	190		ug/Kg-dry	193262	1	07/10/2014 22:09	RS
Surr: Decachlorobiphenyl	69.1	25.2-120		%REC	193262	1	07/10/2014 22:09	RS
Surr: Tetrachloro-m-xylene	70.9	30.5-120		%REC	193262	1	07/10/2014 22:09	RS
PERCENT MOISTURE D2216								
Percent Moisture	12.6	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-18-9.5-10.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:08:00 PM
Lab ID:	1407116-028	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
4,4´-DDE	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
4,4´-DDT	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Aldrin	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
alpha-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
alpha-Chlordane	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
beta-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Chlordane	BRL	41		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
delta-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Dieldrin	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Endosulfan I	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Endosulfan II	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Endosulfan sulfate	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Endrin	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Endrin aldehyde	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Endrin ketone	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
gamma-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
gamma-Chlordane	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Heptachlor	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Heptachlor epoxide	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Methoxychlor	BRL	21		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Toxaphene	BRL	210		ug/Kg-dry	193262	1	07/10/2014 22:20	RS
Surr: Decachlorobiphenyl	75.8	25.2-120		%REC	193262	1	07/10/2014 22:20	RS
Surr: Tetrachloro-m-xylene	78.6	30.5-120		%REC	193262	1	07/10/2014 22:20	RS
PERCENT MOISTURE D2216								
Percent Moisture	19.2	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-18-13-14'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:13:00 PM
Lab ID:	1407116-029	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
4,4´-DDE	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
4,4´-DDT	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Aldrin	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
alpha-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
alpha-Chlordane	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
beta-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Chlordane	BRL	42		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
delta-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Dieldrin	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Endosulfan I	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Endosulfan II	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Endosulfan sulfate	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Endrin	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Endrin aldehyde	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Endrin ketone	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
gamma-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
gamma-Chlordane	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Heptachlor	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Heptachlor epoxide	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Methoxychlor	BRL	21		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Toxaphene	BRL	210		ug/Kg-dry	193262	1	07/10/2014 22:31	RS
Surr: Decachlorobiphenyl	82.7	25.2-120		%REC	193262	1	07/10/2014 22:31	RS
Surr: Tetrachloro-m-xylene	81.9	30.5-120		%REC	193262	1	07/10/2014 22:31	RS
PERCENT MOISTURE D2216								
Percent Moisture	20.0	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-18-14-15'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:13:00 PM
Lab ID:	1407116-030	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
4,4´-DDE	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
4,4´-DDT	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Aldrin	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
alpha-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
alpha-Chlordane	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
beta-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Chlordane	BRL	42		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
delta-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Dieldrin	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Endosulfan I	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Endosulfan II	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Endosulfan sulfate	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Endrin	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Endrin aldehyde	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Endrin ketone	BRL	4.2		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
gamma-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
gamma-Chlordane	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Heptachlor	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Heptachlor epoxide	BRL	2.1		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Methoxychlor	BRL	21		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Toxaphene	BRL	210		ug/Kg-dry	193262	1	07/10/2014 23:27	RS
Surr: Decachlorobiphenyl	75.6	25.2-120		%REC	193262	1	07/10/2014 23:27	RS
Surr: Tetrachloro-m-xylene	74	30.5-120		%REC	193262	1	07/10/2014 23:27	RS
PERCENT MOISTURE D2216								
Percent Moisture	20.1	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-25-1-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:29:00 PM
Lab ID:	1407116-031	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
4,4´-DDE	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
4,4´-DDT	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Aldrin	5.2	2.0		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Chlordane	330	41		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Dieldrin	16	4.1		ug/Kg-dry	193262	1	07/14/2014 19:03	KD
Endosulfan I	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Endosulfan II	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Endosulfan sulfate	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Endrin	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Endrin aldehyde	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Endrin ketone	BRL	4.1		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Methoxychlor	BRL	20		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Toxaphene	BRL	200		ug/Kg-dry	193262	1	07/10/2014 23:38	RS
Surr: Decachlorobiphenyl	83.7	25.2-120		%REC	193262	1	07/10/2014 23:38	RS
Surr: Tetrachloro-m-xylene	79.5	30.5-120		%REC	193262	1	07/10/2014 23:38	RS
PERCENT MOISTURE D2216								
Percent Moisture	18.1	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-25-9.5-10.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:36:00 PM
Lab ID:	1407116-032	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Aldrin	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Chlordane	BRL	40		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Dieldrin	7.0	4.0		ug/Kg-dry	193262	1	07/14/2014 19:14	KD
Endosulfan I	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Endrin	BRL	4.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Methoxychlor	BRL	20		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Toxaphene	BRL	200		ug/Kg-dry	193262	1	07/10/2014 23:49	RS
Surr: Decachlorobiphenyl	75.4	25.2-120		%REC	193262	1	07/10/2014 23:49	RS
Surr: Tetrachloro-m-xylene	65.9	30.5-120		%REC	193262	1	07/10/2014 23:49	RS
PERCENT MOISTURE D2216								
Percent Moisture	16.1	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-25-11-12'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:36:00 PM
Lab ID:	1407116-033	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Aldrin	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Chlordane	BRL	39		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Dieldrin	8.5	3.9		ug/Kg-dry	193262	1	07/14/2014 19:25	KD
Endosulfan I	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Endrin	BRL	3.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Methoxychlor	BRL	19		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Toxaphene	BRL	190		ug/Kg-dry	193262	1	07/11/2014 00:00	RS
Surr: Decachlorobiphenyl	81.1	25.2-120		%REC	193262	1	07/11/2014 00:00	RS
Surr: Tetrachloro-m-xylene	79.5	30.5-120		%REC	193262	1	07/11/2014 00:00	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.3	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	B-2-1-3'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:48:00 PM
Lab ID:	1407116-034	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	6.7	3.8		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
4,4´-DDE	BRL	3.8		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
4,4´-DDT	BRL	3.8		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Aldrin	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Chlordane	270	38		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Dieldrin	12	3.8		ug/Kg-dry	193262	1	07/14/2014 19:36	KD
Endosulfan I	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Endosulfan II	BRL	3.8		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Endrin	BRL	3.8		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Endrin ketone	BRL	3.8		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Methoxychlor	BRL	19		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Toxaphene	BRL	190		ug/Kg-dry	193262	1	07/11/2014 00:11	RS
Surr: Decachlorobiphenyl	79.6	25.2-120		%REC	193262	1	07/11/2014 00:11	RS
Surr: Tetrachloro-m-xylene	80.2	30.5-120		%REC	193262	1	07/11/2014 00:11	RS
PERCENT MOISTURE D2216								
Percent Moisture	12.9	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	B-2-5-6'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:52:00 PM
Lab ID:	1407116-035	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Aldrin	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Chlordane	BRL	40		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Dieldrin	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Endrin	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Methoxychlor	BRL	20		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Toxaphene	BRL	200		ug/Kg-dry	193262	1	07/11/2014 00:22	RS
Surr: Decachlorobiphenyl	73.5	25.2-120		%REC	193262	1	07/11/2014 00:22	RS
Surr: Tetrachloro-m-xylene	72.8	30.5-120		%REC	193262	1	07/11/2014 00:22	RS
PERCENT MOISTURE D2216								
Percent Moisture	17.5	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	B-2-10-11'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:54:00 PM
Lab ID:	1407116-036	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Aldrin	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Chlordane	BRL	40		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Dieldrin	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Endrin	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Methoxychlor	BRL	20		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Toxaphene	BRL	200		ug/Kg-dry	193262	1	07/11/2014 00:33	RS
Surr: Decachlorobiphenyl	76.7	25.2-120		%REC	193262	1	07/11/2014 00:33	RS
Surr: Tetrachloro-m-xylene	77.9	30.5-120		%REC	193262	1	07/11/2014 00:33	RS
PERCENT MOISTURE D2216								
Percent Moisture	17.3	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	B-2-11-12'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 1:54:00 PM
Lab ID:	1407116-037	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
4,4´-DDE	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
4,4´-DDT	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Aldrin	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Chlordane	BRL	41		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Dieldrin	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Endosulfan II	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Endosulfan sulfate	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Endrin	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Endrin aldehyde	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Endrin ketone	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Methoxychlor	BRL	20		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Toxaphene	BRL	200		ug/Kg-dry	193262	1	07/11/2014 00:44	RS
Surr: Decachlorobiphenyl	73.8	25.2-120		%REC	193262	1	07/11/2014 00:44	RS
Surr: Tetrachloro-m-xylene	71.4	30.5-120		%REC	193262	1	07/11/2014 00:44	RS
PERCENT MOISTURE D2216								
Percent Moisture	17.9	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-28-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 2:08:00 PM
Lab ID:	1407116-038	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.4		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
4,4´-DDE	BRL	4.4		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
4,4´-DDT	BRL	440		ug/Kg-dry	193262	100	07/11/2014 00:55	RS
Aldrin	BRL	2.2		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
alpha-BHC	BRL	2.2		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
alpha-Chlordane	BRL	2.2		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
beta-BHC	BRL	2.2		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Chlordane	90	44		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
delta-BHC	BRL	2.2		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Dieldrin	6.0	4.4		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Endosulfan I	BRL	2.2		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Endosulfan II	BRL	4.4		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Endosulfan sulfate	BRL	4.4		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Endrin	BRL	4.4		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Endrin aldehyde	BRL	4.4		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Endrin ketone	BRL	4.4		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
gamma-BHC	BRL	2.2		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
gamma-Chlordane	BRL	2.2		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Heptachlor	BRL	220		ug/Kg-dry	193262	100	07/11/2014 00:55	RS
Heptachlor epoxide	BRL	2.2		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Methoxychlor	BRL	2200		ug/Kg-dry	193262	100	07/11/2014 00:55	RS
Toxaphene	BRL	220		ug/Kg-dry	193262	1	07/15/2014 19:15	KD
Surr: Decachlorobiphenyl	72.1	25.2-120		%REC	193262	1	07/15/2014 19:15	KD
Surr: Tetrachloro-m-xylene	69.1	30.5-120		%REC	193262	1	07/15/2014 19:15	KD
PERCENT MOISTURE D2216								
Percent Moisture	23.9	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-28-4-5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 2:10:00 PM
Lab ID:	1407116-039	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Aldrin	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Chlordane	BRL	40		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Dieldrin	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Endrin	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Methoxychlor	BRL	20		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Toxaphene	BRL	200		ug/Kg-dry	193262	1	07/11/2014 01:07	RS
Surr: Decachlorobiphenyl	73.6	25.2-120		%REC	193262	1	07/11/2014 01:07	RS
Surr: Tetrachloro-m-xylene	69.2	30.5-120		%REC	193262	1	07/11/2014 01:07	RS
PERCENT MOISTURE D2216								
Percent Moisture	17.1	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-29-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 2:43:00 PM
Lab ID:	1407116-041	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	40		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
4,4´-DDE	BRL	40		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
4,4´-DDT	BRL	40		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Aldrin	BRL	20		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
alpha-BHC	BRL	20		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
alpha-Chlordane	BRL	20		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
beta-BHC	BRL	20		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Chlordane	BRL	400		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
delta-BHC	BRL	20		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Dieldrin	BRL	40		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Endosulfan I	BRL	20		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Endosulfan II	BRL	40		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Endosulfan sulfate	BRL	40		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Endrin	BRL	40		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Endrin aldehyde	BRL	40		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Endrin ketone	BRL	40		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
gamma-BHC	BRL	20		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
gamma-Chlordane	BRL	20		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Heptachlor	BRL	20		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Heptachlor epoxide	BRL	20		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Methoxychlor	BRL	200		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Toxaphene	BRL	2000		ug/Kg-dry	193262	10	07/11/2014 01:18	RS
Surr: Decachlorobiphenyl	106	25.2-120		%REC	193262	10	07/11/2014 01:18	RS
Surr: Tetrachloro-m-xylene	106	30.5-120		%REC	193262	10	07/11/2014 01:18	RS
PERCENT MOISTURE D2216								
Percent Moisture	16.3	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-29-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 2:45:00 PM
Lab ID:	1407116-042	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
4,4´-DDE	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
4,4´-DDT	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Aldrin	BRL	2.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
alpha-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
alpha-Chlordane	BRL	2.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
beta-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Chlordane	BRL	41		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
delta-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Dieldrin	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Endosulfan I	BRL	2.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Endosulfan II	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Endosulfan sulfate	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Endrin	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Endrin aldehyde	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Endrin ketone	BRL	4.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
gamma-BHC	BRL	2.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
gamma-Chlordane	BRL	2.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Heptachlor	BRL	2.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Heptachlor epoxide	BRL	2.1		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Methoxychlor	BRL	21		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Toxaphene	BRL	210		ug/Kg-dry	193262	1	07/11/2014 01:29	RS
Surr: Decachlorobiphenyl	85.8	25.2-120		%REC	193262	1	07/11/2014 01:29	RS
Surr: Tetrachloro-m-xylene	87.9	30.5-120		%REC	193262	1	07/11/2014 01:29	RS
PERCENT MOISTURE D2216								
Percent Moisture	18.8	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-29-6-7'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 2:45:00 PM
Lab ID:	1407116-043	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Aldrin	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Chlordane	BRL	40		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Dieldrin	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Endrin	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Methoxychlor	BRL	20		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Toxaphene	BRL	200		ug/Kg-dry	193262	1	07/11/2014 01:40	RS
Surr: Decachlorobiphenyl	86.7	25.2-120		%REC	193262	1	07/11/2014 01:40	RS
Surr: Tetrachloro-m-xylene	89.5	30.5-120		%REC	193262	1	07/11/2014 01:40	RS
PERCENT MOISTURE D2216								
Percent Moisture	17.8	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-37-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 3:02:00 PM
Lab ID:	1407116-045	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
4,4´-DDE	6.0	3.6		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
4,4´-DDT	BRL	72		ug/Kg-dry	193262	20	07/11/2014 01:51	RS
Aldrin	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
alpha-BHC	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
alpha-Chlordane	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
beta-BHC	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Chlordane	170	36		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
delta-BHC	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Dieldrin	5.8	3.6		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Endosulfan I	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Endosulfan II	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Endosulfan sulfate	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Endrin	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Endrin aldehyde	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Endrin ketone	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
gamma-BHC	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
gamma-Chlordane	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Heptachlor	BRL	36		ug/Kg-dry	193262	20	07/11/2014 01:51	RS
Heptachlor epoxide	13	1.8		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Methoxychlor	BRL	360		ug/Kg-dry	193262	20	07/11/2014 01:51	RS
Toxaphene	BRL	180		ug/Kg-dry	193262	1	07/15/2014 19:26	KD
Surr: Decachlorobiphenyl	46.8	25.2-120		%REC	193262	1	07/15/2014 19:26	KD
Surr: Tetrachloro-m-xylene	47.6	30.5-120		%REC	193262	1	07/15/2014 19:26	KD
PERCENT MOISTURE D2216								
Percent Moisture	7.87	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-37-2-3'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 3:02:00 PM
Lab ID:	1407116-046	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
4,4´-DDE	5.8	3.6		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
4,4´-DDT	BRL	72		ug/Kg-dry	193262	20	07/11/2014 02:02	RS
Aldrin	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
alpha-BHC	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
alpha-Chlordane	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
beta-BHC	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Chlordane	180	36		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
delta-BHC	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Dieldrin	6.1	3.6		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Endosulfan I	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Endosulfan II	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Endosulfan sulfate	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Endrin	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Endrin aldehyde	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Endrin ketone	BRL	3.6		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
gamma-BHC	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
gamma-Chlordane	BRL	1.8		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Heptachlor	BRL	36		ug/Kg-dry	193262	20	07/11/2014 02:02	RS
Heptachlor epoxide	12	1.8		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Methoxychlor	BRL	360		ug/Kg-dry	193262	20	07/11/2014 02:02	RS
Toxaphene	BRL	180		ug/Kg-dry	193262	1	07/15/2014 19:37	KD
Surr: Decachlorobiphenyl	60.1	25.2-120		%REC	193262	1	07/15/2014 19:37	KD
Surr: Tetrachloro-m-xylene	55.8	30.5-120		%REC	193262	1	07/15/2014 19:37	KD
PERCENT MOISTURE D2216								
Percent Moisture	8.15	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-37-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 3:10:00 PM
Lab ID:	1407116-047	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Aldrin	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Chlordane	BRL	40		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Dieldrin	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Endrin	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Methoxychlor	BRL	20		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Toxaphene	BRL	200		ug/Kg-dry	193262	1	07/11/2014 02:13	RS
Surr: Decachlorobiphenyl	80.9	25.2-120		%REC	193262	1	07/11/2014 02:13	RS
Surr: Tetrachloro-m-xylene	77.1	30.5-120		%REC	193262	1	07/11/2014 02:13	RS
PERCENT MOISTURE D2216								
Percent Moisture	15.9	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-38-1-3'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 3:30:00 PM
Lab ID:	1407116-049	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	77		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
4,4´-DDE	BRL	77		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
4,4´-DDT	BRL	77		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Aldrin	BRL	39		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
alpha-BHC	BRL	39		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
alpha-Chlordane	BRL	39		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
beta-BHC	BRL	39		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Chlordane	BRL	770		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
delta-BHC	BRL	39		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Dieldrin	BRL	77		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Endosulfan I	BRL	39		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Endosulfan II	BRL	77		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Endosulfan sulfate	BRL	77		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Endrin	BRL	77		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Endrin aldehyde	BRL	77		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Endrin ketone	BRL	77		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
gamma-BHC	BRL	39		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
gamma-Chlordane	BRL	39		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Heptachlor	BRL	39		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Heptachlor epoxide	BRL	39		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Methoxychlor	BRL	390		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Toxaphene	BRL	3900		ug/Kg-dry	193328	20	07/11/2014 02:24	RS
Surr: Decachlorobiphenyl	109	25.2-120		%REC	193328	20	07/11/2014 02:24	RS
Surr: Tetrachloro-m-xylene	135	30.5-120	S	%REC	193328	20	07/11/2014 02:24	RS
PERCENT MOISTURE D2216								
Percent Moisture	13.7	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-38-5-6'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 3:32:00 PM
Lab ID:	1407116-050	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.8		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
4,4´-DDE	BRL	4.8		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
4,4´-DDT	BRL	4.8		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Aldrin	BRL	2.4		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
alpha-BHC	BRL	2.4		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
alpha-Chlordane	BRL	2.4		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
beta-BHC	BRL	2.4		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Chlordane	BRL	48		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
delta-BHC	BRL	2.4		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Dieldrin	BRL	4.8		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Endosulfan I	BRL	2.4		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Endosulfan II	BRL	4.8		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Endosulfan sulfate	BRL	4.8		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Endrin	BRL	4.8		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Endrin aldehyde	BRL	4.8		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Endrin ketone	BRL	4.8		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
gamma-BHC	BRL	2.4		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
gamma-Chlordane	BRL	2.4		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Heptachlor	BRL	2.4		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Heptachlor epoxide	BRL	2.4		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Methoxychlor	BRL	24		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Toxaphene	BRL	240		ug/Kg-dry	193328	1	07/11/2014 02:35	RS
Surr: Decachlorobiphenyl	72.4	25.2-120		%REC	193328	1	07/11/2014 02:35	RS
Surr: Tetrachloro-m-xylene	70.3	30.5-120		%REC	193328	1	07/11/2014 02:35	RS
PERCENT MOISTURE D2216								
Percent Moisture	31.0	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-51-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 3:50:00 PM
Lab ID:	1407116-052	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.8		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
4,4´-DDE	BRL	3.8		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
4,4´-DDT	BRL	7.6		ug/Kg-dry	193328	2	07/11/2014 02:46	RS
Aldrin	BRL	1.9		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
alpha-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
beta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Chlordane	BRL	38		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
delta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Dieldrin	BRL	3.8		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Endosulfan I	BRL	1.9		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Endosulfan II	BRL	3.8		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Endrin	BRL	3.8		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Endrin ketone	BRL	3.8		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
gamma-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Heptachlor	BRL	3.8		ug/Kg-dry	193328	2	07/11/2014 02:46	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Methoxychlor	BRL	38		ug/Kg-dry	193328	2	07/11/2014 02:46	RS
Toxaphene	BRL	190		ug/Kg-dry	193328	1	07/15/2014 19:59	KD
Surr: Decachlorobiphenyl	52.7	25.2-120		%REC	193328	1	07/15/2014 19:59	KD
Surr: Tetrachloro-m-xylene	54.9	30.5-120		%REC	193328	1	07/15/2014 19:59	KD
PERCENT MOISTURE D2216								
Percent Moisture	12.7	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-51-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 3:51:00 PM
Lab ID:	1407116-053	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Aldrin	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Chlordane	BRL	40		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Dieldrin	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Endrin	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Methoxychlor	BRL	20		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Toxaphene	BRL	200		ug/Kg-dry	193328	1	07/11/2014 02:57	RS
Surr: Decachlorobiphenyl	71	25.2-120		%REC	193328	1	07/11/2014 02:57	RS
Surr: Tetrachloro-m-xylene	70.1	30.5-120		%REC	193328	1	07/11/2014 02:57	RS
PERCENT MOISTURE D2216								
Percent Moisture	16.3	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-30-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 4:28:00 PM
Lab ID:	1407116-056	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.7		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
4,4´-DDE	BRL	3.7		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
4,4´-DDT	BRL	3.7		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Aldrin	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Chlordane	450	75		ug/Kg-dry	193328	2	07/14/2014 19:47	KD
delta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Dieldrin	23	7.5		ug/Kg-dry	193328	2	07/14/2014 19:47	KD
Endosulfan I	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Endosulfan II	BRL	3.7		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Endosulfan sulfate	BRL	3.7		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Endrin	BRL	3.7		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Endrin aldehyde	BRL	3.7		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Endrin ketone	BRL	3.7		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Heptachlor epoxide	32	1.9		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Methoxychlor	BRL	19		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Toxaphene	BRL	190		ug/Kg-dry	193328	1	07/11/2014 03:53	RS
Surr: Decachlorobiphenyl	68.8	25.2-120		%REC	193328	1	07/11/2014 03:53	RS
Surr: Tetrachloro-m-xylene	69.3	30.5-120		%REC	193328	1	07/11/2014 03:53	RS
PERCENT MOISTURE D2216								
Percent Moisture	10.8	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-30-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 4:31:00 PM
Lab ID:	1407116-057	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
4,4´-DDE	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
4,4´-DDT	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Aldrin	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Chlordane	BRL	38		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Dieldrin	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Endosulfan I	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Endosulfan II	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Endrin	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Endrin ketone	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Heptachlor epoxide	3.8	1.9		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Methoxychlor	BRL	19		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Toxaphene	BRL	190		ug/Kg-dry	193328	1	07/11/2014 04:04	RS
Surr: Decachlorobiphenyl	49.6	25.2-120		%REC	193328	1	07/11/2014 04:04	RS
Surr: Tetrachloro-m-xylene	50.1	30.5-120		%REC	193328	1	07/11/2014 04:04	RS
PERCENT MOISTURE D2216								
Percent Moisture	12.6	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-34-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 4:42:00 PM
Lab ID:	1407116-059	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Aldrin	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Chlordane	BRL	39		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Dieldrin	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Endrin	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Methoxychlor	BRL	20		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Toxaphene	BRL	200		ug/Kg-dry	193328	1	07/11/2014 04:15	RS
Surr: Decachlorobiphenyl	60.4	25.2-120		%REC	193328	1	07/11/2014 04:15	RS
Surr: Tetrachloro-m-xylene	56.4	30.5-120		%REC	193328	1	07/11/2014 04:15	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.4	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-34-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 4:43:00 PM
Lab ID:	1407116-060	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
4,4´-DDE	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
4,4´-DDT	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Aldrin	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Chlordane	BRL	40		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Dieldrin	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Endrin	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Methoxychlor	BRL	20		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Toxaphene	BRL	200		ug/Kg-dry	193328	1	07/11/2014 04:26	RS
Surr: Decachlorobiphenyl	74.2	25.2-120		%REC	193328	1	07/11/2014 04:26	RS
Surr: Tetrachloro-m-xylene	75	30.5-120		%REC	193328	1	07/11/2014 04:26	RS
PERCENT MOISTURE D2216								
Percent Moisture	16.2	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-40-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 4:58:00 PM
Lab ID:	1407116-062	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Aldrin	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Chlordane	BRL	39		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Dieldrin	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Endosulfan I	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Endrin	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Methoxychlor	BRL	19		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Toxaphene	BRL	190		ug/Kg-dry	193328	1	07/11/2014 04:37	RS
Surr: Decachlorobiphenyl	78	25.2-120		%REC	193328	1	07/11/2014 04:37	RS
Surr: Tetrachloro-m-xylene	77	30.5-120		%REC	193328	1	07/11/2014 04:37	RS
PERCENT MOISTURE D2216								
Percent Moisture	13.9	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-40-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 4:59:00 PM
Lab ID:	1407116-063	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
4,4´-DDE	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
4,4´-DDT	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Aldrin	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Chlordane	BRL	38		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Dieldrin	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Endosulfan I	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Endosulfan II	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Endrin	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Endrin ketone	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Methoxychlor	BRL	19		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Toxaphene	BRL	190		ug/Kg-dry	193328	1	07/11/2014 04:48	RS
Surr: Decachlorobiphenyl	65.1	25.2-120		%REC	193328	1	07/11/2014 04:48	RS
Surr: Tetrachloro-m-xylene	65.7	30.5-120		%REC	193328	1	07/11/2014 04:48	RS
PERCENT MOISTURE D2216								
Percent Moisture	11.5	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-44-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 5:15:00 PM
Lab ID:	1407116-065	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	130	39		ug/Kg-dry	193328	10	07/14/2014 19:58	KD
4,4´-DDE	13	3.9		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
4,4´-DDT	72	39		ug/Kg-dry	193328	10	07/14/2014 19:58	KD
Aldrin	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Chlordane	150	39		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Dieldrin	BRL	39		ug/Kg-dry	193328	10	07/14/2014 19:58	KD
Endosulfan I	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Endrin	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Methoxychlor	BRL	20		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Toxaphene	BRL	200		ug/Kg-dry	193328	1	07/11/2014 04:59	RS
Surr: Decachlorobiphenyl	78.4	25.2-120		%REC	193328	1	07/11/2014 04:59	RS
Surr: Tetrachloro-m-xylene	74.8	30.5-120		%REC	193328	1	07/11/2014 04:59	RS
PERCENT MOISTURE D2216								
Percent Moisture	15.5	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-44-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 5:17:00 PM
Lab ID:	1407116-066	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
4,4´-DDE	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
4,4´-DDT	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Aldrin	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Chlordane	BRL	38		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Dieldrin	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Endosulfan I	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Endosulfan II	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Endrin	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Endrin ketone	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Methoxychlor	BRL	19		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Toxaphene	BRL	190		ug/Kg-dry	193328	1	07/11/2014 05:10	RS
Surr: Decachlorobiphenyl	72.8	25.2-120		%REC	193328	1	07/11/2014 05:10	RS
Surr: Tetrachloro-m-xylene	72	30.5-120		%REC	193328	1	07/11/2014 05:10	RS
PERCENT MOISTURE D2216								
Percent Moisture	13.3	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	B-1-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 5:30:00 PM
Lab ID:	1407116-068	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	7.6		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
4,4´-DDE	BRL	7.6		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
4,4´-DDT	BRL	7.6		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Aldrin	BRL	3.8		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
alpha-BHC	BRL	3.8		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
alpha-Chlordane	BRL	3.8		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
beta-BHC	BRL	3.8		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Chlordane	220	76		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
delta-BHC	BRL	3.8		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Dieldrin	18	7.6		ug/Kg-dry	193328	2	07/17/2014 13:26	RS
Endosulfan I	BRL	3.8		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Endosulfan II	BRL	7.6		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Endosulfan sulfate	BRL	7.6		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Endrin	BRL	7.6		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Endrin aldehyde	BRL	7.6		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Endrin ketone	BRL	7.6		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
gamma-BHC	BRL	3.8		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
gamma-Chlordane	BRL	3.8		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Heptachlor	20	3.8		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Heptachlor epoxide	4.8	3.8		ug/Kg-dry	193328	2	07/17/2014 13:26	RS
Methoxychlor	BRL	38		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Toxaphene	BRL	380		ug/Kg-dry	193328	2	07/11/2014 22:38	RS
Surr: Decachlorobiphenyl	71.2	25.2-120		%REC	193328	2	07/11/2014 22:38	RS
Surr: Tetrachloro-m-xylene	63.9	30.5-120		%REC	193328	2	07/11/2014 22:38	RS
PERCENT MOISTURE D2216								
Percent Moisture	12.5	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	B-1-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 5:33:00 PM
Lab ID:	1407116-069	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	78		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
4,4´-DDE	BRL	78		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
4,4´-DDT	BRL	78		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Aldrin	BRL	39		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
alpha-BHC	BRL	39		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
alpha-Chlordane	BRL	39		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
beta-BHC	BRL	39		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Chlordane	5900	780		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
delta-BHC	BRL	39		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Dieldrin	BRL	78		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Endosulfan I	BRL	39		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Endosulfan II	BRL	78		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Endosulfan sulfate	BRL	78		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Endrin	BRL	78		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Endrin aldehyde	BRL	78		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Endrin ketone	BRL	78		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
gamma-BHC	BRL	39		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
gamma-Chlordane	BRL	39		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Heptachlor	520	39		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Heptachlor epoxide	85	39		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Methoxychlor	BRL	390		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Toxaphene	BRL	3900		ug/Kg-dry	193328	20	07/14/2014 20:09	KD
Surr: Decachlorobiphenyl	80.6	25.2-120		%REC	193328	20	07/14/2014 20:09	KD
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193328	20	07/14/2014 20:09	KD
PERCENT MOISTURE D2216								
Percent Moisture	14.6	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-45-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 5:45:00 PM
Lab ID:	1407116-071	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
4,4´-DDE	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
4,4´-DDT	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Aldrin	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Chlordane	BRL	38		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Dieldrin	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Endosulfan I	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Endosulfan II	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Endrin	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Endrin ketone	BRL	3.8		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Methoxychlor	BRL	19		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Toxaphene	BRL	190		ug/Kg-dry	193328	1	07/11/2014 23:00	RS
Surr: Decachlorobiphenyl	85	25.2-120		%REC	193328	1	07/11/2014 23:00	RS
Surr: Tetrachloro-m-xylene	74.6	30.5-120		%REC	193328	1	07/11/2014 23:00	RS
PERCENT MOISTURE D2216								
Percent Moisture	12.8	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-45-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 5:47:00 PM
Lab ID:	1407116-072	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	20		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
4,4´-DDE	BRL	20		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
4,4´-DDT	BRL	20		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Aldrin	BRL	10		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
alpha-BHC	BRL	10		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
alpha-Chlordane	BRL	10		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
beta-BHC	BRL	10		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Chlordane	BRL	200		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
delta-BHC	BRL	10		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Dieldrin	63	20		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Endosulfan I	BRL	10		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Endosulfan II	BRL	20		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Endosulfan sulfate	BRL	20		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Endrin	BRL	20		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Endrin aldehyde	BRL	20		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Endrin ketone	BRL	20		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
gamma-BHC	BRL	10		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
gamma-Chlordane	BRL	10		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Heptachlor	BRL	10		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Heptachlor epoxide	BRL	10		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Methoxychlor	BRL	100		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Toxaphene	BRL	1000		ug/Kg-dry	193328	5	07/17/2014 13:38	RS
Surr: Decachlorobiphenyl	85.3	25.2-120		%REC	193328	5	07/17/2014 13:38	RS
Surr: Tetrachloro-m-xylene	25.8	30.5-120	S	%REC	193328	5	07/17/2014 13:38	RS
PERCENT MOISTURE D2216								
Percent Moisture	16.9	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-39-3-5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 4:03:00 PM
Lab ID:	1407116-074	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	4.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
4,4´-DDE	BRL	4.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
4,4´-DDT	BRL	4.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Aldrin	BRL	2.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
alpha-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
beta-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Chlordane	BRL	40		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
delta-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Dieldrin	BRL	4.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Endosulfan I	BRL	2.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Endosulfan II	BRL	4.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Endrin	BRL	4.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Endrin aldehyde	BRL	4.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Endrin ketone	BRL	4.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
gamma-BHC	BRL	2.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Heptachlor	BRL	2.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Methoxychlor	BRL	20		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Toxaphene	BRL	200		ug/Kg-dry	193328	1	07/14/2014 17:23	KD
Surr: Decachlorobiphenyl	78.2	25.2-120		%REC	193328	1	07/14/2014 17:23	KD
Surr: Tetrachloro-m-xylene	63.7	30.5-120		%REC	193328	1	07/14/2014 17:23	KD
PERCENT MOISTURE D2216								
Percent Moisture	15.8	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-39-5-6'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 4:05:00 PM
Lab ID:	1407116-075	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
4,4´-DDE	BRL	3.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
4,4´-DDT	BRL	3.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Aldrin	BRL	1.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
alpha-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
beta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Chlordane	BRL	39		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
delta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Dieldrin	BRL	3.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Endosulfan I	BRL	1.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Endosulfan II	BRL	3.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Endrin	BRL	3.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Endrin ketone	BRL	3.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
gamma-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Heptachlor	BRL	1.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Methoxychlor	BRL	19		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Toxaphene	BRL	190		ug/Kg-dry	193328	1	07/14/2014 17:34	KD
Surr: Decachlorobiphenyl	68.8	25.2-120		%REC	193328	1	07/14/2014 17:34	KD
Surr: Tetrachloro-m-xylene	55.8	30.5-120		%REC	193328	1	07/14/2014 17:34	KD
PERCENT MOISTURE D2216								
Percent Moisture	13.8	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-35-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 6:20:00 PM
Lab ID:	1407116-077	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.8		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
4,4´-DDE	BRL	3.8		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
4,4´-DDT	BRL	3.8		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Aldrin	BRL	1.9		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Chlordane	BRL	38		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Dieldrin	BRL	3.8		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Endosulfan I	BRL	1.9		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Endosulfan II	BRL	3.8		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Endrin	BRL	3.8		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Endrin aldehyde	BRL	3.8		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Endrin ketone	BRL	3.8		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Methoxychlor	BRL	19		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Toxaphene	BRL	190		ug/Kg-dry	193328	1	07/17/2014 13:49	RS
Surr: Decachlorobiphenyl	64.2	25.2-120		%REC	193328	1	07/17/2014 13:49	RS
Surr: Tetrachloro-m-xylene	54	30.5-120		%REC	193328	1	07/17/2014 13:49	RS
PERCENT MOISTURE D2216								
Percent Moisture	12.4	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-35-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 6:26:00 PM
Lab ID:	1407116-078	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Aldrin	BRL	1.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
beta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Chlordane	BRL	39		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
delta-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Dieldrin	BRL	3.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Endosulfan I	BRL	1.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Endrin	BRL	3.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Heptachlor	BRL	1.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Heptachlor epoxide	BRL	1.9		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Methoxychlor	BRL	19		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Toxaphene	BRL	190		ug/Kg-dry	193328	1	07/12/2014 00:07	RS
Surr: Decachlorobiphenyl	76	25.2-120		%REC	193328	1	07/12/2014 00:07	RS
Surr: Tetrachloro-m-xylene	73.4	30.5-120		%REC	193328	1	07/12/2014 00:07	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.0	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-16-0-2'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 6:48:00 PM
Lab ID:	1407116-080	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	99	78		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
4,4´-DDE	BRL	78		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
4,4´-DDT	BRL	78		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Aldrin	BRL	39		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
alpha-BHC	BRL	39		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
alpha-Chlordane	BRL	39		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
beta-BHC	BRL	39		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Chlordane	7100	2000		ug/Kg-dry	193366	50	07/17/2014 14:00	RS
delta-BHC	BRL	39		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Dieldrin	150	78		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Endosulfan I	BRL	39		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Endosulfan II	BRL	78		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Endosulfan sulfate	BRL	78		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Endrin	BRL	78		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Endrin aldehyde	BRL	78		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Endrin ketone	BRL	78		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
gamma-BHC	BRL	39		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
gamma-Chlordane	BRL	39		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Heptachlor	BRL	39		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Heptachlor epoxide	BRL	39		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Methoxychlor	BRL	390		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Toxaphene	BRL	3900		ug/Kg-dry	193366	20	07/14/2014 20:20	KD
Surr: Decachlorobiphenyl	112	25.2-120		%REC	193366	20	07/14/2014 20:20	KD
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193366	20	07/14/2014 20:20	KD
PERCENT MOISTURE D2216								
Percent Moisture	15.1	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-16-4.5-5.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 6:52:00 PM
Lab ID:	1407116-081	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Aldrin	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Chlordane	43	39		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Dieldrin	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Endrin	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Methoxychlor	BRL	20		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Toxaphene	BRL	200		ug/Kg-dry	193366	1	07/11/2014 18:12	RS
Surr: Decachlorobiphenyl	93.5	25.2-120		%REC	193366	1	07/11/2014 18:12	RS
Surr: Tetrachloro-m-xylene	88	30.5-120		%REC	193366	1	07/11/2014 18:12	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.4	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-16-9.5-10.5'
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 6:54:00 PM
Lab ID:	1407116-082	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Aldrin	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
alpha-Chlordane	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
beta-BHC	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Chlordane	BRL	39		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
delta-BHC	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Dieldrin	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Endrin	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Heptachlor	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Heptachlor epoxide	BRL	2.0		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Methoxychlor	BRL	20		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Toxaphene	BRL	200		ug/Kg-dry	193366	1	07/11/2014 18:23	RS
Surr: Decachlorobiphenyl	76.1	25.2-120		%REC	193366	1	07/11/2014 18:23	RS
Surr: Tetrachloro-m-xylene	73.8	30.5-120		%REC	193366	1	07/11/2014 18:23	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.5	0		wt%	R271380	1	07/09/2014 09:30	EH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 6-Aug-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	RINSE 001
Project Name:	Brookhaven	**Collection Date:**	7/1/2014 11:27:00 AM
Lab ID:	1407116-084	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3510C)**				
4,4´-DDD	BRL	0.10		ug/L	193196	1	07/03/2014 16:56	RS
4,4´-DDE	BRL	0.10		ug/L	193196	1	07/03/2014 16:56	RS
4,4´-DDT	BRL	0.10		ug/L	193196	1	07/03/2014 16:56	RS
Aldrin	BRL	0.050		ug/L	193196	1	07/03/2014 16:56	RS
alpha-BHC	BRL	0.050		ug/L	193196	1	07/03/2014 16:56	RS
alpha-Chlordane	BRL	0.050		ug/L	193196	1	07/03/2014 16:56	RS
beta-BHC	BRL	0.050		ug/L	193196	1	07/03/2014 16:56	RS
Chlordane	BRL	0.50		ug/L	193196	1	07/03/2014 16:56	RS
delta-BHC	BRL	0.050		ug/L	193196	1	07/03/2014 16:56	RS
Dieldrin	BRL	0.10		ug/L	193196	1	07/03/2014 16:56	RS
Endosulfan I	BRL	0.050		ug/L	193196	1	07/03/2014 16:56	RS
Endosulfan II	BRL	0.10		ug/L	193196	1	07/03/2014 16:56	RS
Endosulfan sulfate	BRL	0.10		ug/L	193196	1	07/03/2014 16:56	RS
Endrin	BRL	0.10		ug/L	193196	1	07/03/2014 16:56	RS
Endrin aldehyde	BRL	0.10		ug/L	193196	1	07/03/2014 16:56	RS
Endrin ketone	BRL	0.10		ug/L	193196	1	07/03/2014 16:56	RS
gamma-BHC	BRL	0.050		ug/L	193196	1	07/03/2014 16:56	RS
gamma-Chlordane	BRL	0.050		ug/L	193196	1	07/03/2014 16:56	RS
Heptachlor	BRL	0.050		ug/L	193196	1	07/03/2014 16:56	RS
Heptachlor epoxide	BRL	0.050		ug/L	193196	1	07/03/2014 16:56	RS
Methoxychlor	BRL	0.50		ug/L	193196	1	07/03/2014 16:56	RS
Oxychlordane	BRL	0.10	N	ug/L	193196	1	07/03/2014 16:56	RS
trans-Nonachlor	BRL	0.10	N	ug/L	193196	1	07/03/2014 16:56	RS
Surr: Decachlorobiphenyl	38	15-115		%REC	193196	1	07/03/2014 16:56	RS
Surr: Tetrachloro-m-xylene	55.2	15.1-115		%REC	193196	1	07/03/2014 16:56	RS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Earthcon Work Order Number 1407116

Checklist completed by [signature] 7/2/14
Signature Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes ✓	No __	Not Present __
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance? (4°C±2)*	Yes ✓	No __	

Cooler #1 3.6 Cooler #2 3.2 Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __
Chain of custody signed when relinquished and received?	Yes ✓	No __
Chain of custody agrees with sample labels?	Yes ✓	No __
Samples in proper container/bottle?	Yes ✓	No __
Sample containers intact?	Yes ✓	No __
Sufficient sample volume for indicated test?	Yes ✓	No __
All samples received within holding time?	Yes ✓	No __
Was TAT marked on the COC?	Yes __	No ✓
Proceed with Standard TAT as per project history?	Yes ✓	No __ Not Applicable __
Water - VOA vials have zero headspace?	No VOA vials submitted ✓	Yes __ No __
Water - pH acceptable upon receipt?	Yes ✓	No __ Not Applicable ✓

Adjusted? _____ Checked by [signature]

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklist

Client: EarthCon Consultants, Inc.
Project: Brookhaven
Lab Order: 1407116

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1407116-001A	SB-01-0-2'	7/1/2014 8:53:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-001A	SB-01-0-2'	7/1/2014 8:53:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-002A	SB-01-4.5-5.5'	7/1/2014 8:55:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-002A	SB-01-4.5-5.5'	7/1/2014 8:55:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-005A	SB-09-0-2'	7/1/2014 9:11:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-005A	SB-09-0-2'	7/1/2014 9:11:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/14/2014
1407116-005A	SB-09-0-2'	7/1/2014 9:11:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-006A	SB-09-4.5-5.5'	7/1/2014 9:12:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-006A	SB-09-4.5-5.5'	7/1/2014 9:12:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-008A	SB-08-0-2'	7/1/2014 9:28:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-008A	SB-08-0-2'	7/1/2014 9:28:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-009A	SB-08-4.5-5.5'	7/1/2014 9:29:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-009A	SB-08-4.5-5.5'	7/1/2014 9:29:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-011A	SB-11-0-2'	7/1/2014 9:45:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-011A	SB-11-0-2'	7/1/2014 9:45:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/14/2014
1407116-011A	SB-11-0-2'	7/1/2014 9:45:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-012A	SB-11-4.5-5.5'	7/1/2014 9:47:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-012A	SB-11-4.5-5.5'	7/1/2014 9:47:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-014A	SB-07-0-2'	7/1/2014 10:05:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-014A	SB-07-0-2'	7/1/2014 10:05:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-015A	SB-07-4.5-5.5'	7/1/2014 10:07:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-015A	SB-07-4.5-5.5'	7/1/2014 10:07:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-017A	SB-02-0-2'	7/1/2014 10:25:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-017A	SB-02-0-2'	7/1/2014 10:25:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-018A	SB-02-4.5-5.5'	7/1/2014 10:23:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-018A	SB-02-4.5-5.5'	7/1/2014 10:23:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-020A	SB-12-0-2'	7/1/2014 10:41:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-020A	SB-12-0-2'	7/1/2014 10:41:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/14/2014
1407116-020A	SB-12-0-2'	7/1/2014 10:41:00AM	Soil	PERCENT MOISTURE			07/09/2014

Client: EarthCon Consultants, Inc.
Project: Brookhaven
Lab Order: 1407116

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1407116-021A	SB-12-4.5-5.5'	7/1/2014 10:45:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-021A	SB-12-4.5-5.5'	7/1/2014 10:45:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-023A	SB-26-0-2'	7/1/2014 11:38:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/17/2014
1407116-023A	SB-26-0-2'	7/1/2014 11:38:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-024A	SB-26-4.5-5.5'	7/1/2014 11:46:00AM	Soil	CHLORINATED PESTICIDES		07/03/2014	07/09/2014
1407116-024A	SB-26-4.5-5.5'	7/1/2014 11:46:00AM	Soil	PERCENT MOISTURE			07/09/2014
1407116-026A	SB-18-0-2'	7/1/2014 1:02:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/09/2014
1407116-026A	SB-18-0-2'	7/1/2014 1:02:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/14/2014
1407116-026A	SB-18-0-2'	7/1/2014 1:02:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-027A	SB-18-4.5-5.5'	7/1/2014 1:08:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/10/2014
1407116-027A	SB-18-4.5-5.5'	7/1/2014 1:08:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-028A	SB-18-9.5-10.5'	7/1/2014 1:08:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/10/2014
1407116-028A	SB-18-9.5-10.5'	7/1/2014 1:08:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-029A	SB-18-13-14'	7/1/2014 1:13:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/10/2014
1407116-029A	SB-18-13-14'	7/1/2014 1:13:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-030A	SB-18-14-15'	7/1/2014 1:13:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/10/2014
1407116-030A	SB-18-14-15'	7/1/2014 1:13:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-031A	SB-25-1-2'	7/1/2014 1:29:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/10/2014
1407116-031A	SB-25-1-2'	7/1/2014 1:29:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/14/2014
1407116-031A	SB-25-1-2'	7/1/2014 1:29:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-032A	SB-25-9.5-10.5'	7/1/2014 1:36:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/10/2014
1407116-032A	SB-25-9.5-10.5'	7/1/2014 1:36:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/14/2014
1407116-032A	SB-25-9.5-10.5'	7/1/2014 1:36:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-033A	SB-25-11-12'	7/1/2014 1:36:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-033A	SB-25-11-12'	7/1/2014 1:36:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/14/2014
1407116-033A	SB-25-11-12'	7/1/2014 1:36:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-034A	B-2-1-3'	7/1/2014 1:48:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-034A	B-2-1-3'	7/1/2014 1:48:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/14/2014
1407116-034A	B-2-1-3'	7/1/2014 1:48:00PM	Soil	PERCENT MOISTURE			07/09/2014

Client: EarthCon Consultants, Inc.
Project: Brookhaven
Lab Order: 1407116

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1407116-035A	B-2-5-6'	7/1/2014 1:52:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-035A	B-2-5-6'	7/1/2014 1:52:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-036A	B-2-10-11'	7/1/2014 1:54:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-036A	B-2-10-11'	7/1/2014 1:54:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-037A	B-2-11-12'	7/1/2014 1:54:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-037A	B-2-11-12'	7/1/2014 1:54:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-038A	SB-28-0-2'	7/1/2014 2:08:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-038A	SB-28-0-2'	7/1/2014 2:08:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/15/2014
1407116-038A	SB-28-0-2'	7/1/2014 2:08:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-039A	SB-28-4-5'	7/1/2014 2:10:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-039A	SB-28-4-5'	7/1/2014 2:10:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-041A	SB-29-0-2'	7/1/2014 2:43:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-041A	SB-29-0-2'	7/1/2014 2:43:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-042A	SB-29-4.5-5.5'	7/1/2014 2:45:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-042A	SB-29-4.5-5.5'	7/1/2014 2:45:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-043A	SB-29-6-7'	7/1/2014 2:45:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-043A	SB-29-6-7'	7/1/2014 2:45:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-045A	SB-37-0-2'	7/1/2014 3:02:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-045A	SB-37-0-2'	7/1/2014 3:02:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/15/2014
1407116-045A	SB-37-0-2'	7/1/2014 3:02:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-046A	SB-37-2-3'	7/1/2014 3:02:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-046A	SB-37-2-3'	7/1/2014 3:02:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/15/2014
1407116-046A	SB-37-2-3'	7/1/2014 3:02:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-047A	SB-37-4.5-5.5'	7/1/2014 3:10:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-047A	SB-37-4.5-5.5'	7/1/2014 3:10:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-049A	SB-38-1-3'	7/1/2014 3:30:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-049A	SB-38-1-3'	7/1/2014 3:30:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-050A	SB-38-5-6'	7/1/2014 3:32:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-050A	SB-38-5-6'	7/1/2014 3:32:00PM	Soil	PERCENT MOISTURE			07/09/2014

Client: EarthCon Consultants, Inc.
Project: Brookhaven
Lab Order: 1407116

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1407116-052A	SB-51-0-2'	7/1/2014 3:50:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-052A	SB-51-0-2'	7/1/2014 3:50:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/15/2014
1407116-052A	SB-51-0-2'	7/1/2014 3:50:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-053A	SB-51-4.5-5.5'	7/1/2014 3:51:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-053A	SB-51-4.5-5.5'	7/1/2014 3:51:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-056A	SB-30-0-2'	7/1/2014 4:28:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-056A	SB-30-0-2'	7/1/2014 4:28:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/14/2014
1407116-056A	SB-30-0-2'	7/1/2014 4:28:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-057A	SB-30-4.5-5.5'	7/1/2014 4:31:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-057A	SB-30-4.5-5.5'	7/1/2014 4:31:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-059A	SB-34-0-2'	7/1/2014 4:42:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-059A	SB-34-0-2'	7/1/2014 4:42:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-060A	SB-34-4.5-5.5'	7/1/2014 4:43:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-060A	SB-34-4.5-5.5'	7/1/2014 4:43:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-062A	SB-40-0-2'	7/1/2014 4:58:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-062A	SB-40-0-2'	7/1/2014 4:58:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-063A	SB-40-4.5-5.5'	7/1/2014 4:59:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-063A	SB-40-4.5-5.5'	7/1/2014 4:59:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-065A	SB-44-0-2'	7/1/2014 5:15:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-065A	SB-44-0-2'	7/1/2014 5:15:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/14/2014
1407116-065A	SB-44-0-2'	7/1/2014 5:15:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-066A	SB-44-4.5-5.5'	7/1/2014 5:17:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-066A	SB-44-4.5-5.5'	7/1/2014 5:17:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-068A	B-1-0-2'	7/1/2014 5:30:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014
1407116-068A	B-1-0-2'	7/1/2014 5:30:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/17/2014
1407116-068A	B-1-0-2'	7/1/2014 5:30:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-069A	B-1-4.5-5.5'	7/1/2014 5:33:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/14/2014
1407116-069A	B-1-4.5-5.5'	7/1/2014 5:33:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-071A	SB-45-0-2'	7/1/2014 5:45:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/11/2014

Client: EarthCon Consultants, Inc.
Project: Brookhaven
Lab Order: 1407116

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1407116-071A	SB-45-0-2'	7/1/2014 5:45:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-072A	SB-45-4.5-5.5'	7/1/2014 5:47:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/17/2014
1407116-072A	SB-45-4.5-5.5'	7/1/2014 5:47:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-074A	SB-39-3-5'	7/1/2014 4:03:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/14/2014
1407116-074A	SB-39-3-5'	7/1/2014 4:03:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-075A	SB-39-5-6'	7/1/2014 4:05:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/14/2014
1407116-075A	SB-39-5-6'	7/1/2014 4:05:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-077A	SB-35-0-2'	7/1/2014 6:20:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/17/2014
1407116-077A	SB-35-0-2'	7/1/2014 6:20:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-078A	SB-35-4.5-5.5'	7/1/2014 6:26:00PM	Soil	CHLORINATED PESTICIDES		07/07/2014	07/12/2014
1407116-078A	SB-35-4.5-5.5'	7/1/2014 6:26:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-080A	SB-16-0-2'	7/1/2014 6:48:00PM	Soil	CHLORINATED PESTICIDES		07/09/2014	07/14/2014
1407116-080A	SB-16-0-2'	7/1/2014 6:48:00PM	Soil	CHLORINATED PESTICIDES		07/09/2014	07/17/2014
1407116-080A	SB-16-0-2'	7/1/2014 6:48:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-081A	SB-16-4.5-5.5'	7/1/2014 6:52:00PM	Soil	CHLORINATED PESTICIDES		07/09/2014	07/11/2014
1407116-081A	SB-16-4.5-5.5'	7/1/2014 6:52:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-082A	SB-16-9.5-10.5'	7/1/2014 6:54:00PM	Soil	CHLORINATED PESTICIDES		07/09/2014	07/11/2014
1407116-082A	SB-16-9.5-10.5'	7/1/2014 6:54:00PM	Soil	PERCENT MOISTURE			07/09/2014
1407116-084A	RINSE 001	7/1/2014 11:27:00AM	Aqueous	TCL-CHLORINATED PESTICIDES		07/02/2014	07/03/2014

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: _____

Date: 7/2/14 Page 1 of 2

COMPANY	ADDRESS
EARTHCON	1860 Lower Oak Pkwy Bldg 100, Ste 104 Marietta GA 30062
PHONE: 770-973-2100	FAX:
SAMPLED BY: Kristen Rivera	SIGNATURE: Kristen Rivera

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	ANALYSIS REQUESTED: TCL PEST	PRESERVATION (See codes): NP	REMARKS	No # of Containers
1	SB-50-0-1'	7/1/14	0858		X	SO	X	X		1
2	SB-49-0-2'		0905				X	X		1
3	SB-49-2-4'		0905				X	X		1
4	SB-48-0-2'		0913				X	X		1
5	SB-46-0-2'		0921				X	X		1
6	SB-19-0-2'		0946				X	X		1
7	SB-17-0-2'		0952				X	X		1
8	SB-17-2-4'		0952				X	X		1
9	SB-20-0-2'		1012				X	X		1
10	SB-24-0-2'		1021				X	X		1
11	SB-24-2-4'		1027				X	X		1
12	SB-60 ~~0-2'~~ 0-6"		1046				X	X		1
13	SB-60 ~~2-4'~~ 6-12"		1045				X	X		1
14	SB-47-0-1'		1113				X	X		1

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	7/2/14 12:27	1: Lodaya R	7/2/14 12:27
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: BROOKHAVEN
PROJECT #: 02.20140272
SITE ADDRESS: 2600 Apple Valley Rd Atlanta, GA 30319
SEND REPORT TO: Kristen Rivera
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 14

Turnaround Time Request
- (✓) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: _____

Date: 7/2/14 Page 2 of 2

COMPANY: EARTHCON

ADDRESS: 1880 W. Oak Pkwy Bldg 100, Ste 106 Marietta GA 30062

PHONE: 47-473-2100

FAX:

SAMPLED BY: Kristen Rivera

SIGNATURE: Kristen Rivera

ANALYSIS REQUESTED: TCL Pest

PRESERVATION (See codes): NA

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCL Pest	REMARKS	No # of Containers
1	RINSE 002	7/2/14	1135		X	W	X		1
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

7/2/2014

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1 Kristen Rivera	7/2/14 12:27	1 Calaya R	7/2/14 12:27
2		2	
3		3	

SPECIAL INSTRUCTIONS/COMMENTS

SHIPMENT METHOD
OUT / / VIA
IN / / VIA
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER _____

PROJECT INFORMATION
PROJECT NAME: BROOKHAVEN
PROJECT #: 02.20140272
SITE ADDRESS: 2600 Apple Valley Rd Atlanta GA 30319
SEND REPORT TO: Kristen Rivera
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 1

Turnaround Time Request
- (✓) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N, Fax? Y / N
DATA PACKAGE I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-50-0-1'
Project: Brookhaven
Collection Date: 7/2/2014 8:58:00 AM
Lab ID: 1407195-001
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	97000	7500		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
4,4´-DDE	BRL	7500		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
4,4´-DDT	210000	15000		ug/Kg-dry	193366	4000	7/15/2014 5:27 PM
Aldrin	BRL	3800		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
alpha-BHC	BRL	3800		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
alpha-Chlordane	BRL	3800		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
beta-BHC	BRL	3800		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Chlordane	140000	75000		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
delta-BHC	BRL	3800		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Dieldrin	BRL	7500		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Endosulfan I	BRL	3800		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Endosulfan II	BRL	7500		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Endosulfan sulfate	BRL	7500		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Endrin	BRL	7500		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Endrin aldehyde	BRL	7500		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Endrin ketone	BRL	7500		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
gamma-BHC	BRL	3800		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
gamma-Chlordane	BRL	3800		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Heptachlor	BRL	3800		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Heptachlor epoxide	BRL	3800		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Methoxychlor	BRL	38000		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Toxaphene	BRL	380000		ug/Kg-dry	193366	2000	7/15/2014 4:54 PM
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	193366	2000	7/15/2014 4:54 PM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193366	2000	7/15/2014 4:54 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	11.4	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-49-0-2'
Project: Brookhaven
Collection Date: 7/2/2014 9:05:00 AM
Lab ID: 1407195-002
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	38		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
4,4´-DDE	53	38		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
4,4´-DDT	85	38		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Aldrin	BRL	19		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
alpha-BHC	BRL	19		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
alpha-Chlordane	BRL	19		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
beta-BHC	BRL	19		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Chlordane	1400	380		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
delta-BHC	BRL	19		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Dieldrin	160	38		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Endosulfan I	BRL	19		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Endosulfan II	BRL	38		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Endosulfan sulfate	BRL	38		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Endrin	BRL	38		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Endrin aldehyde	BRL	38		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Endrin ketone	BRL	38		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
gamma-BHC	BRL	19		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
gamma-Chlordane	BRL	19		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Heptachlor	BRL	19		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Heptachlor epoxide	56	19		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Methoxychlor	BRL	190		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Toxaphene	BRL	1900		ug/Kg-dry	193366	10	7/15/2014 2:33 PM
Surr: Decachlorobiphenyl	58.7	25.2-120		%REC	193366	10	7/15/2014 2:33 PM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193366	10	7/15/2014 2:33 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	11.8	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-49-2-4'
Project: Brookhaven
Collection Date: 7/2/2014 9:05:00 AM
Lab ID: 1407195-003
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	38		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
4,4´-DDE	94	38		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
4,4´-DDT	66	38		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Aldrin	BRL	19		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
alpha-BHC	BRL	19		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
alpha-Chlordane	BRL	19		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
beta-BHC	BRL	19		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Chlordane	1500	380		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
delta-BHC	BRL	19		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Dieldrin	210	38		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Endosulfan I	BRL	19		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Endosulfan II	BRL	38		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Endosulfan sulfate	BRL	38		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Endrin	BRL	38		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Endrin aldehyde	BRL	38		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Endrin ketone	BRL	38		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
gamma-BHC	BRL	19		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
gamma-Chlordane	BRL	19		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Heptachlor	BRL	19		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Heptachlor epoxide	87	19		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Methoxychlor	BRL	190		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Toxaphene	BRL	1900		ug/Kg-dry	193366	10	7/15/2014 4:10 PM
Surr: Decachlorobiphenyl	59.9	25.2-120		%REC	193366	10	7/15/2014 4:10 PM
Surr: Tetrachloro-m-xylene	9.72	30.5-120	S	%REC	193366	10	7/15/2014 4:10 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	11.8	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-48-0-2'
Project: Brookhaven
Collection Date: 7/2/2014 9:13:00 AM
Lab ID: 1407195-004
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	7.3		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
4,4´-DDE	7.3	7.3		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
4,4´-DDT	BRL	7.3		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Aldrin	BRL	3.6		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
alpha-BHC	BRL	3.6		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
alpha-Chlordane	BRL	3.6		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
beta-BHC	BRL	3.6		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Chlordane	560	73		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
delta-BHC	BRL	3.6		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Dieldrin	17	7.3		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Endosulfan I	BRL	3.6		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Endosulfan II	BRL	7.3		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Endosulfan sulfate	BRL	7.3		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Endrin	BRL	7.3		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Endrin aldehyde	BRL	7.3		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Endrin ketone	BRL	7.3		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
gamma-BHC	BRL	3.6		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
gamma-Chlordane	BRL	3.6		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Heptachlor	BRL	3.6		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Heptachlor epoxide	25	3.6		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Methoxychlor	BRL	36		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Toxaphene	BRL	360		ug/Kg-dry	193366	2	7/15/2014 4:21 PM
Surr: Decachlorobiphenyl	52.2	25.2-120		%REC	193366	2	7/15/2014 4:21 PM
Surr: Tetrachloro-m-xylene	42.5	30.5-120		%REC	193366	2	7/15/2014 4:21 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	8.26	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-46-0-2'
Project: Brookhaven
Collection Date: 7/2/2014 9:21:00 AM
Lab ID: 1407195-005
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	7.6		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
4,4´-DDE	BRL	7.6		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
4,4´-DDT	BRL	7.6		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Aldrin	BRL	3.8		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
alpha-BHC	BRL	3.8		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
alpha-Chlordane	BRL	3.8		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
beta-BHC	BRL	3.8		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Chlordane	91	76		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
delta-BHC	BRL	3.8		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Dieldrin	BRL	7.6		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Endosulfan I	BRL	3.8		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Endosulfan II	BRL	7.6		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Endosulfan sulfate	BRL	7.6		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Endrin	BRL	7.6		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Endrin aldehyde	BRL	7.6		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Endrin ketone	BRL	7.6		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
gamma-BHC	BRL	3.8		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
gamma-Chlordane	BRL	3.8		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Heptachlor	BRL	3.8		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Heptachlor epoxide	BRL	3.8		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Methoxychlor	BRL	38		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Toxaphene	BRL	380		ug/Kg-dry	193366	2	7/15/2014 4:32 PM
Surr: Decachlorobiphenyl	59.3	25.2-120		%REC	193366	2	7/15/2014 4:32 PM
Surr: Tetrachloro-m-xylene	46.1	30.5-120		%REC	193366	2	7/15/2014 4:32 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	12.3	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-19-0-2'
Project: Brookhaven
Collection Date: 7/2/2014 9:46:00 AM
Lab ID: 1407195-006
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	37		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
4,4´-DDE	BRL	37		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
4,4´-DDT	BRL	37		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Aldrin	BRL	18		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
alpha-BHC	BRL	18		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
alpha-Chlordane	BRL	18		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
beta-BHC	BRL	18		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Chlordane	690	370		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
delta-BHC	BRL	18		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Dieldrin	44	37		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Endosulfan I	BRL	18		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Endosulfan II	BRL	37		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Endosulfan sulfate	BRL	37		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Endrin	BRL	37		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Endrin aldehyde	BRL	37		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Endrin ketone	BRL	37		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
gamma-BHC	BRL	18		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
gamma-Chlordane	BRL	18		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Heptachlor	BRL	18		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Heptachlor epoxide	27	18		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Methoxychlor	BRL	180		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Toxaphene	BRL	1800		ug/Kg-dry	193366	10	7/15/2014 4:43 PM
Surr: Decachlorobiphenyl	64.6	25.2-120		%REC	193366	10	7/15/2014 4:43 PM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193366	10	7/15/2014 4:43 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	9.41	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-17-0-2'
Project: Brookhaven
Collection Date: 7/2/2014 9:52:00 AM
Lab ID: 1407195-007
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
4,4´-DDE	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
4,4´-DDT	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Aldrin	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
alpha-BHC	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
alpha-Chlordane	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
beta-BHC	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Chlordane	BRL	35		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
delta-BHC	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Dieldrin	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Endosulfan I	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Endosulfan II	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Endosulfan sulfate	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Endrin	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Endrin aldehyde	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Endrin ketone	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
gamma-BHC	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
gamma-Chlordane	2.5	1.8		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Heptachlor	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Heptachlor epoxide	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Methoxychlor	BRL	18		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Toxaphene	BRL	180		ug/Kg-dry	193366	1	7/15/2014 1:49 PM
Surr: Decachlorobiphenyl	82.7	25.2-120		%REC	193366	1	7/15/2014 1:49 PM
Surr: Tetrachloro-m-xylene	53.5	30.5-120		%REC	193366	1	7/15/2014 1:49 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	5.41	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-17-2-4'
Project: Brookhaven
Collection Date: 7/2/2014 9:52:00 AM
Lab ID: 1407195-008
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
4,4´-DDE	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
4,4´-DDT	16	3.5		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Aldrin	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
alpha-BHC	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
alpha-Chlordane	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
beta-BHC	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Chlordane	BRL	35		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
delta-BHC	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Dieldrin	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Endosulfan I	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Endosulfan II	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Endosulfan sulfate	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Endrin	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Endrin aldehyde	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Endrin ketone	BRL	3.5		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
gamma-BHC	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
gamma-Chlordane	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Heptachlor	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Heptachlor epoxide	BRL	1.8		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Methoxychlor	BRL	18		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Toxaphene	BRL	180		ug/Kg-dry	193366	1	7/15/2014 2:00 PM
Surr: Decachlorobiphenyl	72.1	25.2-120		%REC	193366	1	7/15/2014 2:00 PM
Surr: Tetrachloro-m-xylene	54.9	30.5-120		%REC	193366	1	7/15/2014 2:00 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	5.81	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-20-0-2'
Project: Brookhaven
Collection Date: 7/2/2014 10:12:00 AM
Lab ID: 1407195-009
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	360		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
4,4´-DDE	BRL	360		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
4,4´-DDT	BRL	360		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Aldrin	BRL	180		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
alpha-BHC	BRL	180		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
alpha-Chlordane	BRL	180		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
beta-BHC	BRL	180		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Chlordane	27000	3600		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
delta-BHC	BRL	180		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Dieldrin	BRL	360		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Endosulfan I	BRL	180		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Endosulfan II	BRL	360		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Endosulfan sulfate	BRL	360		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Endrin	BRL	360		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Endrin aldehyde	BRL	360		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Endrin ketone	BRL	360		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
gamma-BHC	BRL	180		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
gamma-Chlordane	BRL	180		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Heptachlor	800	180		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Heptachlor epoxide	BRL	180		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Methoxychlor	BRL	1800		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Toxaphene	BRL	18000		ug/Kg-dry	193366	100	7/15/2014 2:11 PM
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	193366	100	7/15/2014 2:11 PM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193366	100	7/15/2014 2:11 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	8.47	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-24-0-2'
Project: Brookhaven
Collection Date: 7/2/2014 10:21:00 AM
Lab ID: 1407195-010
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	77		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
4,4´-DDE	BRL	77		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
4,4´-DDT	BRL	77		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Aldrin	BRL	39		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
alpha-BHC	BRL	39		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
alpha-Chlordane	BRL	39		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
beta-BHC	BRL	39		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Chlordane	13000	1900		ug/Kg-dry	193366	50	7/18/2014 12:11 PM
delta-BHC	BRL	39		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Dieldrin	150	77		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Endosulfan I	BRL	39		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Endosulfan II	BRL	77		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Endosulfan sulfate	BRL	77		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Endrin	BRL	77		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Endrin aldehyde	BRL	77		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Endrin ketone	BRL	77		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
gamma-BHC	BRL	39		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
gamma-Chlordane	BRL	39		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Heptachlor	77	39		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Heptachlor epoxide	BRL	39		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Methoxychlor	BRL	390		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Toxaphene	BRL	3900		ug/Kg-dry	193366	20	7/15/2014 2:22 PM
Surr: Decachlorobiphenyl	47.3	25.2-120		%REC	193366	20	7/15/2014 2:22 PM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193366	20	7/15/2014 2:22 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	13.5	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-24-2-4'
Project: Brookhaven
Collection Date: 7/2/2014 10:27:00 AM
Lab ID: 1407195-011
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	19000	3900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
4,4´-DDE	20000	3900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
4,4´-DDT	22000	3900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Aldrin	BRL	1900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
alpha-BHC	BRL	1900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
alpha-Chlordane	BRL	1900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
beta-BHC	BRL	1900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Chlordane	400000	390000		ug/Kg-dry	193366	10000	7/18/2014 12:22 PM
delta-BHC	BRL	1900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Dieldrin	76000	3900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Endosulfan I	BRL	1900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Endosulfan II	BRL	3900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Endosulfan sulfate	BRL	3900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Endrin	BRL	3900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Endrin aldehyde	BRL	3900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Endrin ketone	BRL	3900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
gamma-BHC	BRL	1900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
gamma-Chlordane	BRL	1900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Heptachlor	78000	1900	E	ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Heptachlor epoxide	34000	1900		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Methoxychlor	BRL	19000		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Toxaphene	BRL	190000		ug/Kg-dry	193366	1000	7/15/2014 5:05 PM
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	193366	1000	7/15/2014 5:05 PM
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	193366	1000	7/15/2014 5:05 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	14.0	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-60-0-6"
Project: Brookhaven
Collection Date: 7/2/2014 10:46:00 AM
Lab ID: 1407195-012
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	72		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
4,4´-DDE	250	72		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
4,4´-DDT	330	72		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Aldrin	BRL	36		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
alpha-BHC	BRL	36		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
alpha-Chlordane	BRL	36		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
beta-BHC	BRL	36		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Chlordane	6100	720		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
delta-BHC	BRL	36		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Dieldrin	260	72		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Endosulfan I	BRL	36		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Endosulfan II	BRL	72		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Endosulfan sulfate	BRL	72		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Endrin	BRL	72		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Endrin aldehyde	BRL	72		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Endrin ketone	BRL	72		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
gamma-BHC	BRL	36		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
gamma-Chlordane	BRL	36		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Heptachlor	BRL	36		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Heptachlor epoxide	330	36		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Methoxychlor	BRL	360		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Toxaphene	BRL	3600		ug/Kg-dry	193366	20	7/15/2014 2:55 PM
Surr: Decachlorobiphenyl	704	25.2-120	S	%REC	193366	20	7/15/2014 2:55 PM
Surr: Tetrachloro-m-xylene	405	30.5-120	S	%REC	193366	20	7/15/2014 2:55 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	7.04	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-60-6-12"
Project: Brookhaven
Collection Date: 7/2/2014 10:48:00 AM
Lab ID: 1407195-013
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	72		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
4,4´-DDE	220	72		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
4,4´-DDT	140	72		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Aldrin	BRL	36		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
alpha-BHC	BRL	36		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
alpha-Chlordane	BRL	36		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
beta-BHC	BRL	36		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Chlordane	5400	720		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
delta-BHC	BRL	36		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Dieldrin	220	72		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Endosulfan I	BRL	36		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Endosulfan II	BRL	72		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Endosulfan sulfate	BRL	72		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Endrin	BRL	72		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Endrin aldehyde	BRL	72		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Endrin ketone	BRL	72		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
gamma-BHC	BRL	36		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
gamma-Chlordane	BRL	36		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Heptachlor	BRL	36		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Heptachlor epoxide	380	36		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Methoxychlor	BRL	360		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Toxaphene	BRL	3600		ug/Kg-dry	193366	20	7/15/2014 3:06 PM
Surr: Decachlorobiphenyl	539	25.2-120	S	%REC	193366	20	7/15/2014 3:06 PM
Surr: Tetrachloro-m-xylene	452	30.5-120	S	%REC	193366	20	7/15/2014 3:06 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	7.07	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: SB-47-0-1'
Project: Brookhaven
Collection Date: 7/2/2014 11:13:00 AM
Lab ID: 1407195-014
Matrix: SOIL

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**			Analyst: **KDD**
4,4´-DDD	BRL	3.7		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
4,4´-DDE	16	3.7		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
4,4´-DDT	11	3.7		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Aldrin	BRL	1.9		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
alpha-BHC	BRL	1.9		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
alpha-Chlordane	BRL	1.9		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
beta-BHC	BRL	1.9		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Chlordane	780	370		ug/Kg-dry	193366	10	7/18/2014 12:44 PM
delta-BHC	BRL	1.9		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Dieldrin	26	3.7		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Endosulfan I	BRL	1.9		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Endosulfan II	BRL	3.7		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Endosulfan sulfate	BRL	3.7		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Endrin	BRL	3.7		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Endrin aldehyde	BRL	3.7		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Endrin ketone	BRL	3.7		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
gamma-BHC	BRL	1.9		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
gamma-Chlordane	BRL	1.9		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Heptachlor	BRL	1.9		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Heptachlor epoxide	35	1.9		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Methoxychlor	BRL	19		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Toxaphene	BRL	190		ug/Kg-dry	193366	1	7/15/2014 3:18 PM
Surr: Decachlorobiphenyl	50.9	25.2-120		%REC	193366	1	7/15/2014 3:18 PM
Surr: Tetrachloro-m-xylene	43.3	30.5-120		%REC	193366	1	7/15/2014 3:18 PM
PERCENT MOISTURE D2216							Analyst: **ERH**
Percent Moisture	10.7	0		wt%		1	7/10/2014 10:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

Analytical Environmental Services, Inc.

Date: *21-Jul-14*

CLIENT: EarthCon Consultants, Inc.
Client Sample ID: RINSE 002
Project: Brookhaven
Collection Date: 7/2/2014 11:35:00 AM
Lab ID: 1407195-015
Matrix: AQUEOUS

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed
CHLORINATED PESTICIDES, TCL SW8081B					**(SW3510C)**		Analyst: **RS**
4,4´-DDD	BRL	0.10		ug/L	193327	1	7/11/2014 11:48 AM
4,4´-DDE	BRL	0.10		ug/L	193327	1	7/11/2014 11:48 AM
4,4´-DDT	BRL	0.10		ug/L	193327	1	7/11/2014 11:48 AM
Aldrin	BRL	0.050		ug/L	193327	1	7/11/2014 11:48 AM
alpha-BHC	BRL	0.050		ug/L	193327	1	7/11/2014 11:48 AM
alpha-Chlordane	BRL	0.050		ug/L	193327	1	7/11/2014 11:48 AM
beta-BHC	BRL	0.050		ug/L	193327	1	7/11/2014 11:48 AM
Chlordane	BRL	0.50		ug/L	193327	1	7/11/2014 11:48 AM
delta-BHC	BRL	0.050		ug/L	193327	1	7/11/2014 11:48 AM
Dieldrin	BRL	0.10		ug/L	193327	1	7/11/2014 11:48 AM
Endosulfan I	BRL	0.050		ug/L	193327	1	7/11/2014 11:48 AM
Endosulfan II	BRL	0.10		ug/L	193327	1	7/11/2014 11:48 AM
Endosulfan sulfate	BRL	0.10		ug/L	193327	1	7/11/2014 11:48 AM
Endrin	BRL	0.10		ug/L	193327	1	7/11/2014 11:48 AM
Endrin aldehyde	BRL	0.10		ug/L	193327	1	7/11/2014 11:48 AM
Endrin ketone	BRL	0.10		ug/L	193327	1	7/11/2014 11:48 AM
gamma-BHC	BRL	0.050		ug/L	193327	1	7/11/2014 11:48 AM
gamma-Chlordane	BRL	0.050		ug/L	193327	1	7/11/2014 11:48 AM
Heptachlor	BRL	0.050		ug/L	193327	1	7/11/2014 11:48 AM
Heptachlor epoxide	BRL	0.050		ug/L	193327	1	7/11/2014 11:48 AM
Methoxychlor	BRL	0.50		ug/L	193327	1	7/11/2014 11:48 AM
Oxychlordane	BRL	0.10	N	ug/L	193327	1	7/11/2014 11:48 AM
trans-Nonachlor	BRL	0.10	N	ug/L	193327	1	7/11/2014 11:48 AM
Surr: Decachlorobiphenyl	37.8	15-115		%REC	193327	1	7/11/2014 11:48 AM
Surr: Tetrachloro-m-xylene	70.7	15.1-115		%REC	193327	1	7/11/2014 11:48 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	E	Estimated (Value above quantitation range)
BRL	Below Reporting Limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See Case Narrative
N	Analyte not NELAC certified	NC	Not Confirmed
B	Analyte detected in the associated Method Blank	<	Less than Result value
>	Greater than Result value		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

September 09, 2014

Kristen Rivera
EarthCon Consultants, Inc.
1880 West Oak Parkway
Marietta GA 30062

TEL: (770) 973-2100
FAX: (770) 973-7395

RE: Brookhaven

Dear Kristen Rivera: Order No: 1408N84

Analytical Environmental Services, Inc. received 20 samples on 8/27/2014 2:00:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

CRKanhai

Chantelle Kanhai
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1408N84

Date: 08/27/14 Page 1 of 2

COMPANY:	ADDRESS:
EARTHCON	1880 WEST OAK PKWY BLDG 100, STE 1010 MARIETTA, GA 30062
PHONE: 770-973-2100 X 28600	FAX: 770-973-7895
SAMPLED BY: KRISTEN RIVERA	SIGNATURE: Kristen Rivera

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCL PEST	No # of Containers	REMARKS
1	SB-61-3.5'	08/27/14	0850		X	SO	NA	1	
2	SB-61-4'		0853		X			1	
3	SB-61-5'		0856		X			1	
4	SB-62-4'		0919		X			1	
5	SB-62-4.5'		0920		X			1	
6	SB-62-5-6'		0925		X			1	
7	SB-62-6-7'		0927		X			1	
8	SB-63-0-2'		1140		X			1	
9	SB-63-4-5'		1147		X			1	
10	SB-63-9.5-11'		1147		X			1	
11	SB-64-1-2'		0944		X			1	
12	SB-64-2-3'		0949		X			1	
13	SB-64-3.5'		0950		X			1	
14	SB-64-4-5'		1019		X			1	

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

PRESERVATION (See codes)

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	8/27/14 1400	1:	8/27/14
2:		2:	2:00
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: BROOKHAVEN

PROJECT #: 02.2014.0272

SITE ADDRESS: PARK AVENUE ATLANTA, BROOKHAVEN, GA

SEND REPORT TO: KRISTEN RIVERA

INVOICE TO: (IF DIFFERENT FROM ABOVE)

QUOTE #:_____ PO#:_____

RECEIPT

Total # of Containers: 14

Turnaround Time Request

- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1408N84

Date: 08/27/14 Page 2 of 2

COMPANY:	ADDRESS:
EARTHCON	1880 West Oak Pkwy Bldg 100, Ste 106 Marietta, GA 30062
PHONE: 770-973-2100 x 28860	FAX: 770-973-7395
SAMPLED BY: Kristen Rivera	SIGNATURE: Kristen Rivera

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCL PEST	TCL PEST HOLD	PCB PEST	REMARKS	No # of Containers
							PRESERVATION (See codes)				
							NA	NA	NA		
1	SB-63-14-15'	8/27/14	1150		X	SO		X			1
2	SB-64-5-6'		1023				X				1
3	SB-65-2.5-3.5'		1035				X				1
4	SB-65-4-5'		1036				X				1
5	SB-66-1-2.5'		1046				X				1
6	SB-66-3.5-4.5'		1049				X				1
7	RINSATE082714		1215	X		W			X		1
8											
9											
10											
11											
12											
13											
14											

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Kristen Rivera	08/27/14 1400	1:	8/27/14 2:00
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: BROOKHAVEN
PROJECT #: 02.20140272
SITE ADDRESS: PARK AVENUE ATLANTA (BROOKHAVEN), GA
SEND REPORT TO: Kristen Rivera
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT
Total # of Containers: 7

Turnaround Time Request
- (●) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 9-Sep-14

Client: EarthCon Consultants, Inc.
Project: Brookhaven
Lab ID: 1408N84

Case Narrative

Pesticide Analysis by Method 8081B:

Due to sample matrix, sample 1408N84-001, -002, -003, -007, 008, -009, -011, -012, -013, -014, -016, -017 and -019 required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-61-3.5'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 8:50:00 AM
Lab ID:	1408N84-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	38	N	ug/Kg-dry	195543	10	09/04/2014 14:51	RS
2,4-DDE	BRL	38	N	ug/Kg-dry	195543	10	09/04/2014 14:51	RS
2,4-DDT	BRL	38	N	ug/Kg-dry	195543	10	09/04/2014 14:51	RS
4,4´-DDD	BRL	38		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
4,4´-DDE	BRL	38		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
4,4´-DDT	BRL	38		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Aldrin	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
alpha-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
alpha-Chlordane	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
beta-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Chlordane	2800	380		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Chlorpyrifos	BRL	38	N	ug/Kg-dry	195543	10	09/04/2014 14:51	RS
cis-Chlordane	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
cis-Nonachlor	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 14:51	RS
delta-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Dieldrin	58	38		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Endosulfan I	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Endosulfan II	BRL	38		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Endosulfan sulfate	BRL	38		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Endrin	BRL	38		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Endrin aldehyde	BRL	38		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Endrin ketone	BRL	38		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
gamma-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
gamma-Chlordane	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Heptachlor	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Heptachlor epoxide	63	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Hexachlorobenzene	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Methoxychlor	BRL	190		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Mirex	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Oxychlordane	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Toxaphene	BRL	1900		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
trans-Chlordane	BRL	19		ug/Kg-dry	195543	10	09/04/2014 14:51	RS
trans-Nonachlor	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 14:51	RS
Surr: Decachlorobiphenyl	97.1	25.2-120		%REC	195543	10	09/04/2014 14:51	RS
Surr: Tetrachloro-m-xylene	48	30.5-120		%REC	195543	10	09/04/2014 14:51	RS
PERCENT MOISTURE D2216								
Percent Moisture	11.9	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-61-4'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 8:53:00 AM
Lab ID:	1408N84-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	37	N	ug/Kg-dry	195543	10	09/04/2014 15:02	RS
2,4-DDE	BRL	37	N	ug/Kg-dry	195543	10	09/04/2014 15:02	RS
2,4-DDT	BRL	37	N	ug/Kg-dry	195543	10	09/04/2014 15:02	RS
4,4´-DDD	BRL	37		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
4,4´-DDE	BRL	37		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
4,4´-DDT	BRL	37		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Aldrin	BRL	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
alpha-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
alpha-Chlordane	BRL	38		ug/Kg-dry	195543	20	09/04/2014 19:22	RS
beta-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Chlordane	3900	750		ug/Kg-dry	195543	20	09/04/2014 19:22	RS
Chlorpyrifos	BRL	37	N	ug/Kg-dry	195543	10	09/04/2014 15:02	RS
cis-Chlordane	BRL	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
cis-Nonachlor	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 15:02	RS
delta-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Dieldrin	59	37		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Endosulfan I	BRL	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Endosulfan II	BRL	37		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Endosulfan sulfate	BRL	37		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Endrin	70	37		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Endrin aldehyde	BRL	37		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Endrin ketone	BRL	37		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
gamma-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
gamma-Chlordane	BRL	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Heptachlor	BRL	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Heptachlor epoxide	89	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Hexachlorobenzene	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Methoxychlor	BRL	190		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Mirex	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Oxychlordane	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Toxaphene	BRL	1900		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
trans-Chlordane	BRL	19		ug/Kg-dry	195543	10	09/04/2014 15:02	RS
trans-Nonachlor	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 15:02	RS
Surr: Decachlorobiphenyl	101	25.2-120		%REC	195543	10	09/04/2014 15:02	RS
Surr: Tetrachloro-m-xylene	50.9	30.5-120		%REC	195543	10	09/04/2014 15:02	RS
PERCENT MOISTURE D2216								
Percent Moisture	11.0	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-61-5'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 8:56:00 AM
Lab ID:	1408N84-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	750	N	ug/Kg-dry	195543	200	09/04/2014 14:40	RS
2,4-DDE	BRL	750	N	ug/Kg-dry	195543	200	09/04/2014 14:40	RS
2,4-DDT	BRL	750	N	ug/Kg-dry	195543	200	09/04/2014 14:40	RS
4,4´-DDD	BRL	750		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
4,4´-DDE	BRL	750		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
4,4´-DDT	BRL	750		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Aldrin	BRL	370		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
alpha-BHC	BRL	370		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
alpha-Chlordane	BRL	19000		ug/Kg-dry	195543	10000	09/04/2014 18:05	RS
beta-BHC	BRL	370		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Chlordane	1200000	370000		ug/Kg-dry	195543	10000	09/04/2014 18:05	RS
Chlorpyrifos	BRL	750	N	ug/Kg-dry	195543	200	09/04/2014 14:40	RS
cis-Chlordane	BRL	370		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
cis-Nonachlor	BRL	370	N	ug/Kg-dry	195543	200	09/04/2014 14:40	RS
delta-BHC	BRL	370		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Dieldrin	11000	750		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Endosulfan I	BRL	370		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Endosulfan II	BRL	750		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Endosulfan sulfate	BRL	750		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Endrin	BRL	750		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Endrin aldehyde	BRL	750		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Endrin ketone	BRL	750		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
gamma-BHC	BRL	370		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
gamma-Chlordane	BRL	19000		ug/Kg-dry	195543	10000	09/04/2014 18:05	RS
Heptachlor	BRL	1900		ug/Kg-dry	195543	1000	09/04/2014 15:13	RS
Heptachlor epoxide	BRL	370		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Hexachlorobenzene	BRL	370	N	ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Methoxychlor	BRL	3700		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Mirex	BRL	370	N	ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Oxychlordane	BRL	370	N	ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Toxaphene	BRL	37000		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
trans-Chlordane	BRL	370		ug/Kg-dry	195543	200	09/04/2014 14:40	RS
trans-Nonachlor	BRL	370	N	ug/Kg-dry	195543	200	09/04/2014 14:40	RS
Surr: Decachlorobiphenyl	1990	25.2-120	S	%REC	195543	200	09/04/2014 14:40	RS
Surr: Tetrachloro-m-xylene	166	30.5-120	S	%REC	195543	200	09/04/2014 14:40	RS
PERCENT MOISTURE D2216								
Percent Moisture	10.9	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-62-4'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 9:19:00 AM
Lab ID:	1408N84-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	3.9	N	ug/Kg-dry	195543	1	09/02/2014 23:49	RS
2,4-DDE	BRL	3.9	N	ug/Kg-dry	195543	1	09/02/2014 23:49	RS
2,4-DDT	BRL	3.9	N	ug/Kg-dry	195543	1	09/02/2014 23:49	RS
4,4´-DDD	BRL	3.9		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Aldrin	BRL	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
alpha-Chlordane	BRL	3.9		ug/Kg-dry	195543	2	09/04/2014 19:33	RS
beta-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Chlordane	380	78		ug/Kg-dry	195543	2	09/04/2014 19:33	RS
Chlorpyrifos	BRL	3.9	N	ug/Kg-dry	195543	1	09/02/2014 23:49	RS
cis-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
cis-Nonachlor	BRL	2.0	N	ug/Kg-dry	195543	1	09/02/2014 23:49	RS
delta-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Dieldrin	11	3.9		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Endrin	BRL	3.9		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
gamma-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Heptachlor	BRL	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Heptachlor epoxide	9.8	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Hexachlorobenzene	BRL	2.0	N	ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Methoxychlor	BRL	20		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Mirex	BRL	2.0	N	ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Oxychlordane	BRL	2.0	N	ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Toxaphene	BRL	200		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
trans-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/02/2014 23:49	RS
trans-Nonachlor	BRL	2.0	N	ug/Kg-dry	195543	1	09/02/2014 23:49	RS
Surr: Decachlorobiphenyl	80.6	25.2-120		%REC	195543	1	09/02/2014 23:49	RS
Surr: Tetrachloro-m-xylene	73	30.5-120		%REC	195543	1	09/02/2014 23:49	RS
PERCENT MOISTURE D2216								
Percent Moisture	15.0	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-62-4.5'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 9:20:00 AM
Lab ID:	1408N84-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:00	RS
2,4-DDE	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:00	RS
2,4-DDT	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:00	RS
4,4´-DDD	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
4,4´-DDT	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Aldrin	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
alpha-Chlordane	BRL	3.9		ug/Kg-dry	195543	2	09/04/2014 19:44	RS
beta-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Chlordane	480	78		ug/Kg-dry	195543	2	09/04/2014 19:44	RS
Chlorpyrifos	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:00	RS
cis-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
cis-Nonachlor	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:00	RS
delta-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Dieldrin	14	3.9		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Endrin	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
gamma-Chlordane	BRL	3.9		ug/Kg-dry	195543	2	09/04/2014 19:44	RS
Heptachlor	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Heptachlor epoxide	11	2.0		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Hexachlorobenzene	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Methoxychlor	BRL	20		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Mirex	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Oxychlordane	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Toxaphene	BRL	200		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
trans-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:00	RS
trans-Nonachlor	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:00	RS
Surr: Decachlorobiphenyl	78.5	25.2-120		%REC	195543	1	09/03/2014 00:00	RS
Surr: Tetrachloro-m-xylene	79	30.5-120		%REC	195543	1	09/03/2014 00:00	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.8	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-62-5-6'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 9:25:00 AM
Lab ID:	1408N84-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:12	RS
2,4-DDE	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:12	RS
2,4-DDT	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:12	RS
4,4´-DDD	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
4,4´-DDT	5.0	3.9		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Aldrin	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
alpha-Chlordane	BRL	3.9		ug/Kg-dry	195543	2	09/04/2014 15:51	RS
beta-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Chlordane	520	78		ug/Kg-dry	195543	2	09/04/2014 15:51	RS
Chlorpyrifos	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:12	RS
cis-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
cis-Nonachlor	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:12	RS
delta-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Dieldrin	11	3.9		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Endrin	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
gamma-Chlordane	BRL	3.9		ug/Kg-dry	195543	2	09/04/2014 15:51	RS
Heptachlor	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Heptachlor epoxide	9.9	2.0		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Hexachlorobenzene	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Methoxychlor	BRL	20		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Mirex	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Oxychlordane	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Toxaphene	BRL	200		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
trans-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:12	RS
trans-Nonachlor	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:12	RS
Surr: Decachlorobiphenyl	79	25.2-120		%REC	195543	1	09/03/2014 00:12	RS
Surr: Tetrachloro-m-xylene	75.3	30.5-120		%REC	195543	1	09/03/2014 00:12	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.5	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-62-6-7'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 9:27:00 AM
Lab ID:	1408N84-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:23	RS
2,4-DDE	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:23	RS
2,4-DDT	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:23	RS
4,4´-DDD	28	3.9		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
4,4´-DDE	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
4,4´-DDT	5.2	3.9		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Aldrin	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
alpha-Chlordane	BRL	20		ug/Kg-dry	195543	10	09/04/2014 16:36	RS
beta-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Chlordane	1500	390		ug/Kg-dry	195543	10	09/04/2014 16:36	RS
Chlorpyrifos	BRL	3.9	N	ug/Kg-dry	195543	1	09/03/2014 00:23	RS
cis-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
cis-Nonachlor	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:23	RS
delta-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Dieldrin	37	3.9		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Endosulfan II	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Endosulfan sulfate	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Endrin	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Endrin aldehyde	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Endrin ketone	BRL	3.9		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
gamma-Chlordane	BRL	20		ug/Kg-dry	195543	10	09/04/2014 16:36	RS
Heptachlor	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Heptachlor epoxide	32	2.0		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Hexachlorobenzene	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Methoxychlor	BRL	20		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Mirex	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Oxychlordane	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Toxaphene	BRL	200		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
trans-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:23	RS
trans-Nonachlor	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:23	RS
Surr: Decachlorobiphenyl	80.7	25.2-120		%REC	195543	1	09/03/2014 00:23	RS
Surr: Tetrachloro-m-xylene	78.3	30.5-120		%REC	195543	1	09/03/2014 00:23	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.4	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-63-0-2'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 11:40:00 AM
Lab ID:	1408N84-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	360	N	ug/Kg-dry	195543	100	09/04/2014 13:44	RS
2,4-DDE	BRL	360	N	ug/Kg-dry	195543	100	09/04/2014 13:44	RS
2,4-DDT	BRL	360	N	ug/Kg-dry	195543	100	09/04/2014 13:44	RS
4,4´-DDD	BRL	360		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
4,4´-DDE	390	360		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
4,4´-DDT	1300	360		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Aldrin	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
alpha-BHC	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
alpha-Chlordane	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
beta-BHC	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Chlordane	20000	3600		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Chlorpyrifos	BRL	360	N	ug/Kg-dry	195543	100	09/04/2014 13:44	RS
cis-Chlordane	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
cis-Nonachlor	BRL	180	N	ug/Kg-dry	195543	100	09/04/2014 13:44	RS
delta-BHC	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Dieldrin	510	360		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Endosulfan I	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Endosulfan II	BRL	360		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Endosulfan sulfate	BRL	360		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Endrin	BRL	360		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Endrin aldehyde	BRL	360		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Endrin ketone	BRL	360		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
gamma-BHC	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
gamma-Chlordane	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Heptachlor	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Heptachlor epoxide	650	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Hexachlorobenzene	BRL	180	N	ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Methoxychlor	BRL	1800		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Mirex	BRL	180	N	ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Oxychlordane	BRL	180	N	ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Toxaphene	BRL	18000		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
trans-Chlordane	BRL	180		ug/Kg-dry	195543	100	09/04/2014 13:44	RS
trans-Nonachlor	BRL	180	N	ug/Kg-dry	195543	100	09/04/2014 13:44	RS
Surr: Decachlorobiphenyl	130	25.2-120	S	%REC	195543	100	09/04/2014 13:44	RS
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	195543	100	09/04/2014 13:44	RS
PERCENT MOISTURE D2216								
Percent Moisture	8.35	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-63-4-5'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 11:47:00 AM
Lab ID:	1408N84-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	37	N	ug/Kg-dry	195543	10	09/04/2014 16:47	RS
2,4-DDE	BRL	37	N	ug/Kg-dry	195543	10	09/04/2014 16:47	RS
2,4-DDT	BRL	37	N	ug/Kg-dry	195543	10	09/04/2014 16:47	RS
4,4´-DDD	BRL	37		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
4,4´-DDE	BRL	37		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
4,4´-DDT	52	37		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Aldrin	BRL	19		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
alpha-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
alpha-Chlordane	BRL	93		ug/Kg-dry	195543	50	09/04/2014 19:55	RS
beta-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Chlordane	9600	1900		ug/Kg-dry	195543	50	09/04/2014 19:55	RS
Chlorpyrifos	BRL	37	N	ug/Kg-dry	195543	10	09/04/2014 16:47	RS
cis-Chlordane	BRL	19		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
cis-Nonachlor	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 16:47	RS
delta-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Dieldrin	150	37		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Endosulfan I	BRL	19		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Endosulfan II	BRL	37		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Endosulfan sulfate	BRL	37		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Endrin	BRL	37		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Endrin aldehyde	BRL	37		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Endrin ketone	BRL	37		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
gamma-BHC	BRL	19		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
gamma-Chlordane	BRL	93		ug/Kg-dry	195543	50	09/04/2014 19:55	RS
Heptachlor	BRL	19		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Heptachlor epoxide	250	19		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Hexachlorobenzene	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Methoxychlor	BRL	190		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Mirex	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Oxychlordane	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Toxaphene	BRL	1900		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
trans-Chlordane	BRL	19		ug/Kg-dry	195543	10	09/04/2014 16:47	RS
trans-Nonachlor	BRL	19	N	ug/Kg-dry	195543	10	09/04/2014 16:47	RS
Surr: Decachlorobiphenyl	124	25.2-120	S	%REC	195543	10	09/04/2014 16:47	RS
Surr: Tetrachloro-m-xylene	50.2	30.5-120		%REC	195543	10	09/04/2014 16:47	RS
PERCENT MOISTURE D2216								
Percent Moisture	10.3	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-63-9.5-11'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 11:47:00 AM
Lab ID:	1408N84-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	3.6	N	ug/Kg-dry	195543	1	09/03/2014 00:34	RS
2,4-DDE	BRL	3.6	N	ug/Kg-dry	195543	1	09/03/2014 00:34	RS
2,4-DDT	BRL	3.6	N	ug/Kg-dry	195543	1	09/03/2014 00:34	RS
4,4´-DDD	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
4,4´-DDE	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
4,4´-DDT	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Aldrin	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
alpha-BHC	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
alpha-Chlordane	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
beta-BHC	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Chlordane	81	36		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Chlorpyrifos	BRL	3.6	N	ug/Kg-dry	195543	1	09/03/2014 00:34	RS
cis-Chlordane	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
cis-Nonachlor	BRL	1.8	N	ug/Kg-dry	195543	1	09/03/2014 00:34	RS
delta-BHC	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Dieldrin	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Endosulfan I	2.9	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Endosulfan II	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Endosulfan sulfate	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Endrin	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Endrin aldehyde	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Endrin ketone	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
gamma-BHC	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
gamma-Chlordane	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Heptachlor	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Heptachlor epoxide	4.9	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Hexachlorobenzene	BRL	1.8	N	ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Methoxychlor	BRL	18		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Mirex	BRL	1.8	N	ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Oxychlordane	BRL	1.8	N	ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Toxaphene	BRL	180		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
trans-Chlordane	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 00:34	RS
trans-Nonachlor	BRL	1.8	N	ug/Kg-dry	195543	1	09/03/2014 00:34	RS
Surr: Decachlorobiphenyl	74.7	25.2-120		%REC	195543	1	09/03/2014 00:34	RS
Surr: Tetrachloro-m-xylene	73.1	30.5-120		%REC	195543	1	09/03/2014 00:34	RS
PERCENT MOISTURE D2216								
Percent Moisture	6.71	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-64-1-2'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 9:44:00 AM
Lab ID:	1408N84-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	7.4	N	ug/Kg-dry	195543	2	09/04/2014 16:58	RS
2,4-DDE	BRL	7.4	N	ug/Kg-dry	195543	2	09/04/2014 16:58	RS
2,4-DDT	BRL	7.4	N	ug/Kg-dry	195543	2	09/04/2014 16:58	RS
4,4´-DDD	BRL	7.4		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
4,4´-DDE	20	7.4		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
4,4´-DDT	25	7.4		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Aldrin	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
alpha-BHC	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
alpha-Chlordane	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
beta-BHC	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Chlordane	260	74		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Chlorpyrifos	BRL	7.4	N	ug/Kg-dry	195543	2	09/04/2014 16:58	RS
cis-Chlordane	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
cis-Nonachlor	BRL	3.7	N	ug/Kg-dry	195543	2	09/04/2014 16:58	RS
delta-BHC	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Dieldrin	25	7.4		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Endosulfan I	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Endosulfan II	BRL	7.4		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Endosulfan sulfate	BRL	7.4		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Endrin	BRL	7.4		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Endrin aldehyde	BRL	7.4		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Endrin ketone	BRL	7.4		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
gamma-BHC	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
gamma-Chlordane	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Heptachlor	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Heptachlor epoxide	20	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Hexachlorobenzene	BRL	3.7	N	ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Methoxychlor	BRL	37		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Mirex	BRL	3.7	N	ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Oxychlordane	BRL	3.7	N	ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Toxaphene	BRL	370		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
trans-Chlordane	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:58	RS
trans-Nonachlor	BRL	3.7	N	ug/Kg-dry	195543	2	09/04/2014 16:58	RS
Surr: Decachlorobiphenyl	75	25.2-120		%REC	195543	2	09/04/2014 16:58	RS
Surr: Tetrachloro-m-xylene	52.4	30.5-120		%REC	195543	2	09/04/2014 16:58	RS
PERCENT MOISTURE D2216								
Percent Moisture	10.5	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-64-2-3'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 9:49:00 AM
Lab ID:	1408N84-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 13:55	RS
2,4-DDE	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 13:55	RS
2,4-DDT	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 13:55	RS
4,4´-DDD	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
4,4´-DDE	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
4,4´-DDT	3700	1900		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Aldrin	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
alpha-BHC	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
alpha-Chlordane	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
beta-BHC	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Chlordane	39000	19000		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Chlorpyrifos	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 13:55	RS
cis-Chlordane	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
cis-Nonachlor	BRL	940	N	ug/Kg-dry	195543	500	09/04/2014 13:55	RS
delta-BHC	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Dieldrin	3700	1900		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Endosulfan I	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Endosulfan II	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Endosulfan sulfate	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Endrin	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Endrin aldehyde	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Endrin ketone	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
gamma-BHC	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
gamma-Chlordane	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Heptachlor	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Heptachlor epoxide	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Hexachlorobenzene	BRL	940	N	ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Methoxychlor	BRL	9400		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Mirex	BRL	940	N	ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Oxychlordane	BRL	940	N	ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Toxaphene	BRL	94000		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
trans-Chlordane	BRL	940		ug/Kg-dry	195543	500	09/04/2014 13:55	RS
trans-Nonachlor	BRL	940	N	ug/Kg-dry	195543	500	09/04/2014 13:55	RS
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	195543	500	09/04/2014 13:55	RS
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	195543	500	09/04/2014 13:55	RS
PERCENT MOISTURE D2216								
Percent Moisture	11.0	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-64-3.5'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 9:50:00 AM
Lab ID:	1408N84-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 14:06	RS
2,4-DDE	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 14:06	RS
2,4-DDT	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 14:06	RS
4,4´-DDD	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
4,4´-DDE	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
4,4´-DDT	4100	1900		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Aldrin	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
alpha-BHC	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
alpha-Chlordane	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
beta-BHC	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Chlordane	33000	19000		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Chlorpyrifos	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 14:06	RS
cis-Chlordane	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
cis-Nonachlor	BRL	940	N	ug/Kg-dry	195543	500	09/04/2014 14:06	RS
delta-BHC	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Dieldrin	3300	1900		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Endosulfan I	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Endosulfan II	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Endosulfan sulfate	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Endrin	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Endrin aldehyde	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Endrin ketone	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
gamma-BHC	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
gamma-Chlordane	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Heptachlor	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Heptachlor epoxide	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Hexachlorobenzene	BRL	940	N	ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Methoxychlor	BRL	9400		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Mirex	BRL	940	N	ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Oxychlordane	BRL	940	N	ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Toxaphene	BRL	94000		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
trans-Chlordane	BRL	940		ug/Kg-dry	195543	500	09/04/2014 14:06	RS
trans-Nonachlor	BRL	940	N	ug/Kg-dry	195543	500	09/04/2014 14:06	RS
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	195543	500	09/04/2014 14:06	RS
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	195543	500	09/04/2014 14:06	RS
PERCENT MOISTURE D2216								
Percent Moisture	11.5	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-64-4-5'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 10:19:00 AM
Lab ID:	1408N84-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 14:17	RS
2,4-DDE	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 14:17	RS
2,4-DDT	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 14:17	RS
4,4´-DDD	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
4,4´-DDE	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
4,4´-DDT	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Aldrin	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
alpha-BHC	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
alpha-Chlordane	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
beta-BHC	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Chlordane	41000	19000		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Chlorpyrifos	BRL	1900	N	ug/Kg-dry	195543	500	09/04/2014 14:17	RS
cis-Chlordane	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
cis-Nonachlor	BRL	970	N	ug/Kg-dry	195543	500	09/04/2014 14:17	RS
delta-BHC	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Dieldrin	3300	1900		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Endosulfan I	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Endosulfan II	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Endosulfan sulfate	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Endrin	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Endrin aldehyde	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Endrin ketone	BRL	1900		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
gamma-BHC	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
gamma-Chlordane	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Heptachlor	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Heptachlor epoxide	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Hexachlorobenzene	BRL	970	N	ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Methoxychlor	BRL	9700		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Mirex	BRL	970	N	ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Oxychlordane	BRL	970	N	ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Toxaphene	BRL	97000		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
trans-Chlordane	BRL	970		ug/Kg-dry	195543	500	09/04/2014 14:17	RS
trans-Nonachlor	BRL	970	N	ug/Kg-dry	195543	500	09/04/2014 14:17	RS
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	195543	500	09/04/2014 14:17	RS
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	195543	500	09/04/2014 14:17	RS
PERCENT MOISTURE D2216								
Percent Moisture	14.2	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-64-5-6'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 10:23:00 AM
Lab ID:	1408N84-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	4.0	N	ug/Kg-dry	195543	1	09/03/2014 00:45	RS
2,4-DDE	BRL	4.0	N	ug/Kg-dry	195543	1	09/03/2014 00:45	RS
2,4-DDT	BRL	4.0	N	ug/Kg-dry	195543	1	09/03/2014 00:45	RS
4,4´-DDD	BRL	4.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
4,4´-DDE	37	4.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
4,4´-DDT	46	4.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Aldrin	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
alpha-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
alpha-Chlordane	BRL	40		ug/Kg-dry	195543	20	09/04/2014 16:13	RS
beta-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Chlordane	3900	810		ug/Kg-dry	195543	20	09/04/2014 16:13	RS
Chlorpyrifos	BRL	4.0	N	ug/Kg-dry	195543	1	09/03/2014 00:45	RS
cis-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
cis-Nonachlor	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:45	RS
delta-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Dieldrin	290	81		ug/Kg-dry	195543	20	09/04/2014 16:13	RS
Endosulfan I	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Endosulfan II	BRL	4.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Endosulfan sulfate	BRL	4.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Endrin	80	4.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Endrin aldehyde	BRL	4.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Endrin ketone	BRL	4.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
gamma-BHC	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
gamma-Chlordane	BRL	40		ug/Kg-dry	195543	20	09/04/2014 16:13	RS
Heptachlor	BRL	40		ug/Kg-dry	195543	20	09/04/2014 16:13	RS
Heptachlor epoxide	30	2.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Hexachlorobenzene	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Methoxychlor	BRL	20		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Mirex	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Oxychlordane	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Toxaphene	BRL	200		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
trans-Chlordane	BRL	2.0		ug/Kg-dry	195543	1	09/03/2014 00:45	RS
trans-Nonachlor	BRL	2.0	N	ug/Kg-dry	195543	1	09/03/2014 00:45	RS
Surr: Decachlorobiphenyl	78.7	25.2-120		%REC	195543	1	09/03/2014 00:45	RS
Surr: Tetrachloro-m-xylene	71.5	30.5-120		%REC	195543	1	09/03/2014 00:45	RS
PERCENT MOISTURE D2216								
Percent Moisture	17.3	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-65-2.5-3.5'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 10:35:00 AM
Lab ID:	1408N84-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	1800	N	ug/Kg-dry	195543	500	09/04/2014 14:28	RS
2,4-DDE	BRL	1800	N	ug/Kg-dry	195543	500	09/04/2014 14:28	RS
2,4-DDT	BRL	1800	N	ug/Kg-dry	195543	500	09/04/2014 14:28	RS
4,4´-DDD	BRL	1800		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
4,4´-DDE	BRL	1800		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
4,4´-DDT	BRL	1800		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Aldrin	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
alpha-BHC	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
alpha-Chlordane	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
beta-BHC	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Chlordane	33000	18000		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Chlorpyrifos	BRL	1800	N	ug/Kg-dry	195543	500	09/04/2014 14:28	RS
cis-Chlordane	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
cis-Nonachlor	BRL	910	N	ug/Kg-dry	195543	500	09/04/2014 14:28	RS
delta-BHC	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Dieldrin	BRL	1800		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Endosulfan I	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Endosulfan II	BRL	1800		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Endosulfan sulfate	BRL	1800		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Endrin	BRL	1800		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Endrin aldehyde	BRL	1800		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Endrin ketone	BRL	1800		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
gamma-BHC	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
gamma-Chlordane	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Heptachlor	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Heptachlor epoxide	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Hexachlorobenzene	BRL	910	N	ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Methoxychlor	BRL	9100		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Mirex	BRL	910	N	ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Oxychlordane	BRL	910	N	ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Toxaphene	BRL	91000		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
trans-Chlordane	BRL	910		ug/Kg-dry	195543	500	09/04/2014 14:28	RS
trans-Nonachlor	BRL	910	N	ug/Kg-dry	195543	500	09/04/2014 14:28	RS
Surr: Decachlorobiphenyl	0	25.2-120	S	%REC	195543	500	09/04/2014 14:28	RS
Surr: Tetrachloro-m-xylene	0	30.5-120	S	%REC	195543	500	09/04/2014 14:28	RS
PERCENT MOISTURE D2216								
Percent Moisture	8.08	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-65-4-5'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 10:36:00 AM
Lab ID:	1408N84-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	3.8	N	ug/Kg-dry	195543	1	09/03/2014 00:56	RS
2,4-DDE	BRL	3.8	N	ug/Kg-dry	195543	1	09/03/2014 00:56	RS
2,4-DDT	BRL	3.8	N	ug/Kg-dry	195543	1	09/03/2014 00:56	RS
4,4´-DDD	BRL	3.8		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
4,4´-DDE	BRL	3.8		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
4,4´-DDT	5.4	3.8		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Aldrin	BRL	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
alpha-BHC	BRL	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
alpha-Chlordane	BRL	3.8		ug/Kg-dry	195543	2	09/04/2014 20:06	RS
beta-BHC	BRL	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Chlordane	470	76		ug/Kg-dry	195543	2	09/04/2014 20:06	RS
Chlorpyrifos	BRL	3.8	N	ug/Kg-dry	195543	1	09/03/2014 00:56	RS
cis-Chlordane	BRL	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
cis-Nonachlor	BRL	1.9	N	ug/Kg-dry	195543	1	09/03/2014 00:56	RS
delta-BHC	BRL	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Dieldrin	7.9	3.8		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Endosulfan I	BRL	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Endosulfan II	BRL	3.8		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Endosulfan sulfate	BRL	3.8		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Endrin	BRL	3.8		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Endrin aldehyde	BRL	3.8		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Endrin ketone	BRL	3.8		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
gamma-BHC	BRL	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
gamma-Chlordane	BRL	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Heptachlor	BRL	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Heptachlor epoxide	11	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Hexachlorobenzene	BRL	1.9	N	ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Methoxychlor	BRL	19		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Mirex	BRL	1.9	N	ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Oxychlordane	BRL	1.9	N	ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Toxaphene	BRL	190		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
trans-Chlordane	BRL	1.9		ug/Kg-dry	195543	1	09/03/2014 00:56	RS
trans-Nonachlor	BRL	1.9	N	ug/Kg-dry	195543	1	09/03/2014 00:56	RS
Surr: Decachlorobiphenyl	67.2	25.2-120		%REC	195543	1	09/03/2014 00:56	RS
Surr: Tetrachloro-m-xylene	64.7	30.5-120		%REC	195543	1	09/03/2014 00:56	RS
PERCENT MOISTURE D2216								
Percent Moisture	12.0	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-66-1-2.5'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 10:46:00 AM
Lab ID:	1408N84-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	72	N	ug/Kg-dry	195543	20	09/04/2014 17:09	RS
2,4-DDE	BRL	72	N	ug/Kg-dry	195543	20	09/04/2014 17:09	RS
2,4-DDT	BRL	72	N	ug/Kg-dry	195543	20	09/04/2014 17:09	RS
4,4´-DDD	BRL	72		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
4,4´-DDE	110	72		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
4,4´-DDT	220	72		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Aldrin	BRL	36		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
alpha-BHC	BRL	36		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
alpha-Chlordane	BRL	180		ug/Kg-dry	195543	100	09/04/2014 20:17	RS
beta-BHC	BRL	36		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Chlordane	6300	720		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Chlorpyrifos	BRL	72	N	ug/Kg-dry	195543	20	09/04/2014 17:09	RS
cis-Chlordane	BRL	36		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
cis-Nonachlor	BRL	36	N	ug/Kg-dry	195543	20	09/04/2014 17:09	RS
delta-BHC	BRL	36		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Dieldrin	180	72		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Endosulfan I	BRL	36		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Endosulfan II	BRL	72		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Endosulfan sulfate	BRL	72		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Endrin	BRL	72		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Endrin aldehyde	BRL	72		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Endrin ketone	BRL	72		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
gamma-BHC	BRL	36		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
gamma-Chlordane	BRL	180		ug/Kg-dry	195543	100	09/04/2014 20:17	RS
Heptachlor	BRL	36		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Heptachlor epoxide	180	36		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Hexachlorobenzene	BRL	36	N	ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Methoxychlor	BRL	360		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Mirex	BRL	36	N	ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Oxychlordane	BRL	36	N	ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Toxaphene	BRL	3600		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
trans-Chlordane	BRL	36		ug/Kg-dry	195543	20	09/04/2014 17:09	RS
trans-Nonachlor	BRL	36	N	ug/Kg-dry	195543	20	09/04/2014 17:09	RS
Surr: Decachlorobiphenyl	144	25.2-120	S	%REC	195543	20	09/04/2014 17:09	RS
Surr: Tetrachloro-m-xylene	18.3	30.5-120	S	%REC	195543	20	09/04/2014 17:09	RS
PERCENT MOISTURE D2216								
Percent Moisture	7.30	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-66-3.5-4.5'
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 10:49:00 AM
Lab ID:	1408N84-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
2,4-DDD	BRL	3.6	N	ug/Kg-dry	195543	1	09/03/2014 01:18	RS
2,4-DDE	BRL	3.6	N	ug/Kg-dry	195543	1	09/03/2014 01:18	RS
2,4-DDT	BRL	3.6	N	ug/Kg-dry	195543	1	09/03/2014 01:18	RS
4,4´-DDD	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
4,4´-DDE	7.8	3.6		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
4,4´-DDT	9.2	3.6		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Aldrin	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
alpha-BHC	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
alpha-Chlordane	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:24	RS
beta-BHC	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Chlordane	450	73		ug/Kg-dry	195543	2	09/04/2014 16:24	RS
Chlorpyrifos	BRL	3.6	N	ug/Kg-dry	195543	1	09/03/2014 01:18	RS
cis-Chlordane	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
cis-Nonachlor	BRL	1.8	N	ug/Kg-dry	195543	1	09/03/2014 01:18	RS
delta-BHC	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Dieldrin	8.3	3.6		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Endosulfan I	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Endosulfan II	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Endosulfan sulfate	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Endrin	18	3.6		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Endrin aldehyde	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Endrin ketone	BRL	3.6		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
gamma-BHC	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
gamma-Chlordane	BRL	3.7		ug/Kg-dry	195543	2	09/04/2014 16:24	RS
Heptachlor	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Heptachlor epoxide	7.5	1.8		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Hexachlorobenzene	BRL	1.8	N	ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Methoxychlor	BRL	18		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Mirex	BRL	1.8	N	ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Oxychlordane	BRL	1.8	N	ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Toxaphene	BRL	180		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
trans-Chlordane	BRL	1.8		ug/Kg-dry	195543	1	09/03/2014 01:18	RS
trans-Nonachlor	BRL	1.8	N	ug/Kg-dry	195543	1	09/03/2014 01:18	RS
Surr: Decachlorobiphenyl	66.5	25.2-120		%REC	195543	1	09/03/2014 01:18	RS
Surr: Tetrachloro-m-xylene	67.2	30.5-120		%REC	195543	1	09/03/2014 01:18	RS
PERCENT MOISTURE D2216								
Percent Moisture	8.69	0		wt%	R274871	1	09/02/2014 10:00	SG

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Sep-14

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	RINSATE 082714
Project Name:	Brookhaven	**Collection Date:**	8/27/2014 12:15:00 PM
Lab ID:	1408N84-021	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3510C)**				
2,4-DDD	BRL	0.10	N	ug/L	195673	1	09/04/2014 18:26	RS
2,4-DDE	BRL	0.10	N	ug/L	195673	1	09/04/2014 18:26	RS
2,4-DDT	BRL	0.10	N	ug/L	195673	1	09/04/2014 18:26	RS
4,4´-DDD	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
4,4´-DDE	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
4,4´-DDT	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
Aldrin	BRL	0.050		ug/L	195673	1	09/04/2014 18:26	RS
alpha-BHC	BRL	0.050		ug/L	195673	1	09/04/2014 18:26	RS
alpha-Chlordane	BRL	0.050		ug/L	195673	1	09/04/2014 18:26	RS
beta-BHC	BRL	0.050		ug/L	195673	1	09/04/2014 18:26	RS
Chlordane	BRL	0.50		ug/L	195673	1	09/04/2014 18:26	RS
Chlorpyrifos	BRL	1.0	N	ug/L	195673	1	09/04/2014 18:26	RS
cis-Chlordane	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
cis-Nonachlor	BRL	0.10	N	ug/L	195673	1	09/04/2014 18:26	RS
delta-BHC	BRL	0.050		ug/L	195673	1	09/04/2014 18:26	RS
Dieldrin	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
Endosulfan I	BRL	0.050		ug/L	195673	1	09/04/2014 18:26	RS
Endosulfan II	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
Endosulfan sulfate	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
Endrin	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
Endrin aldehyde	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
Endrin ketone	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
gamma-BHC	BRL	0.050		ug/L	195673	1	09/04/2014 18:26	RS
gamma-Chlordane	0.055	0.050		ug/L	195673	1	09/04/2014 18:26	RS
Heptachlor	BRL	0.050		ug/L	195673	1	09/04/2014 18:26	RS
Heptachlor epoxide	BRL	0.050		ug/L	195673	1	09/04/2014 18:26	RS
Hexachlorobenzene	BRL	0.050	N	ug/L	195673	1	09/04/2014 18:26	RS
Methoxychlor	BRL	0.50		ug/L	195673	1	09/04/2014 18:26	RS
Methyl Parathion	BRL	0.10	N	ug/L	195673	1	09/04/2014 18:26	RS
Mirex	BRL	0.050	N	ug/L	195673	1	09/04/2014 18:26	RS
Oxychlordane	BRL	0.10	N	ug/L	195673	1	09/04/2014 18:26	RS
Toxaphene	BRL	5.0		ug/L	195673	1	09/04/2014 18:26	RS
trans-Chlordane	BRL	0.10		ug/L	195673	1	09/04/2014 18:26	RS
trans-Nonachlor	BRL	0.10	N	ug/L	195673	1	09/04/2014 18:26	RS
Surr: Decachlorobiphenyl	50.2	15-115		%REC	195673	1	09/04/2014 18:26	RS
Surr: Tetrachloro-m-xylene	61	15.1-115		%REC	195673	1	09/04/2014 18:26	RS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Earthcon Work Order Number 1408N84

Checklist completed by MST. 8/27/14
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes ✓ No __ Not Present ✓ MT 8/27/14

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.1 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by MTC

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: EarthCon Consultants, Inc.
Project Name: Brookhaven
Workorder: 1408N84

ANALYTICAL QC SUMMARY REPORT

BatchID: 195543

Sample ID: **MB-195543** Client ID: Units: **ug/Kg** Prep Date: **09/02/2014** Run No: **275036**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **195543** Analysis Date: **09/02/2014** Seq No: **5805029**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-DDD	BRL	3.3									N
2,4-DDE	BRL	3.3									N
2,4-DDT	BRL	3.3									N
4,4´-DDD	BRL	3.3									
4,4´-DDE	BRL	3.3									
4,4´-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
Chlordane	BRL	33									
Chlorpyrifos	BRL	3.3									N
cis-Chlordane	BRL	1.7									
cis-Nonachlor	BRL	1.7									N
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Hexachlorobenzene	BRL	1.7									N

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Brookhaven
Workorder: 1408N84

ANALYTICAL QC SUMMARY REPORT

BatchID: 195543

Sample ID: **MB-195543** Client ID: Units: **ug/Kg** Prep Date: **09/02/2014** Run No: **275036**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **195543** Analysis Date: **09/02/2014** Seq No: **5805029**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methoxychlor	BRL	17									
Mirex	BRL	1.7									N
Oxychlordane	BRL	1.7									N
Toxaphene	BRL	170									
trans-Chlordane	BRL	1.7									
trans-Nonachlor	BRL	1.7									N
Surr: Decachlorobiphenyl	12.59	0	16.67		75.5	25.2	120				
Surr: Tetrachloro-m-xylene	12.08	0	16.67		72.5	30.5	120				

Sample ID: **LCS-195543** Client ID: Units: **ug/Kg** Prep Date: **09/02/2014** Run No: **275036**
SampleType: **LCS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **195543** Analysis Date: **09/02/2014** Seq No: **5805033**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	29.73	3.3	33.33		89.2	44.7	136				
Aldrin	30.92	1.7	33.33		92.8	41.5	118				
Dieldrin	31.59	3.3	33.33		94.8	44.3	133				
Endrin	31.32	3.3	33.33		94.0	43.2	137				
gamma-BHC	32.94	1.7	33.33		98.8	40.3	126				
Heptachlor	34.11	1.7	33.33		102	40.1	126				
Surr: Decachlorobiphenyl	14.30	0	16.67		85.8	25.2	120				
Surr: Tetrachloro-m-xylene	14.12	0	16.67		84.7	30.5	120				

Sample ID: **1408N84-011AMS** Client ID: **SB-64-1-2'** Units: **ug/Kg-dry** Prep Date: **09/02/2014** Run No: **275076**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **195543** Analysis Date: **09/04/2014** Seq No: **5805970**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	55.80	7.4	37.26	24.67	83.5	33.6	126				
Aldrin	32.38	3.7	37.26		86.9	32.6	120				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: EarthCon Consultants, Inc.
Project Name: Brookhaven
Workorder: 1408N84

ANALYTICAL QC SUMMARY REPORT

BatchID: 195543

Sample ID: **1408N84-011AMS**	Client ID: **SB-64-1-2'**	Units: **ug/Kg-dry**	Prep Date: **09/02/2014**	Run No: **275076**
SampleType: **MS**	TestCode: **CHLORINATED PESTICIDES SW8081B**	BatchID: **195543**	Analysis Date: **09/04/2014**	Seq No: **5805970**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	85.81	7.4	37.26	24.75	164	35.1	124				S
Endrin	42.49	7.4	37.26		114	39.7	129				
gamma-BHC	33.32	3.7	37.26		89.4	35.2	120				
Heptachlor	39.87	3.7	37.26		107	34.9	119				
Surr: Decachlorobiphenyl	16.18	0	18.64		86.8	25.2	120				
Surr: Tetrachloro-m-xylene	13.93	0	18.64		74.7	30.5	120				

Sample ID: **1408N84-011AMSD**	Client ID: **SB-64-1-2'**	Units: **ug/Kg-dry**	Prep Date: **09/02/2014**	Run No: **275076**
SampleType: **MSD**	TestCode: **CHLORINATED PESTICIDES SW8081B**	BatchID: **195543**	Analysis Date: **09/04/2014**	Seq No: **5805972**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	52.47	7.4	37.26	24.67	74.6	33.6	126	55.80	6.15	28.1	
Aldrin	29.37	3.7	37.26		78.8	32.6	120	32.38	9.75	29.9	
Dieldrin	68.23	7.4	37.26	24.75	117	35.1	124	85.81	22.8	26.6	
Endrin	36.14	7.4	37.26		97.0	39.7	129	42.49	16.1	27.6	
gamma-BHC	30.79	3.7	37.26		82.6	35.2	120	33.32	7.88	28.6	
Heptachlor	32.44	3.7	37.26		87.1	34.9	119	39.87	20.5	27.7	
Surr: Decachlorobiphenyl	16.35	0	18.64		87.7	25.2	120	16.18	0	30	
Surr: Tetrachloro-m-xylene	13.47	0	18.64		72.3	30.5	120	13.93	0	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Brookhaven
Workorder: 1408N84

ANALYTICAL QC SUMMARY REPORT

BatchID: 195673

Sample ID: **MB-195673** Client ID: Units: **ug/L** Prep Date: **09/02/2014** Run No: **275111**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **195673** Analysis Date: **09/02/2014** Seq No: **5806738**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-DDD	BRL	0.050									N
2,4-DDE	BRL	0.050									N
2,4-DDT	BRL	0.050									N
4,4´-DDD	BRL	0.050									
4,4´-DDE	BRL	0.050									
4,4´-DDT	BRL	0.050									
Aldrin	BRL	0.025									
alpha-BHC	BRL	0.025									
alpha-Chlordane	BRL	0.025									
beta-BHC	BRL	0.025									
Chlordane	BRL	0.25									
Chlorpyrifos	BRL	0.50									N
cis-Chlordane	BRL	0.050									
cis-Nonachlor	BRL	0.050									N
delta-BHC	BRL	0.025									
Dieldrin	BRL	0.050									
Endosulfan I	BRL	0.025									
Endosulfan II	BRL	0.050									
Endosulfan sulfate	BRL	0.050									
Endrin	BRL	0.050									
Endrin aldehyde	BRL	0.050									
Endrin ketone	BRL	0.050									
gamma-BHC	BRL	0.025									
gamma-Chlordane	BRL	0.025									
Heptachlor	BRL	0.025									
Heptachlor epoxide	BRL	0.025									
Hexachlorobenzene	BRL	0.025									N

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Brookhaven
Workorder: 1408N84

ANALYTICAL QC SUMMARY REPORT

BatchID: 195673

Sample ID: **MB-195673**	Client ID:			Units: **ug/L**	Prep Date: **09/02/2014**	Run No: **275111**
SampleType: **MBLK**	TestCode: **CHLORINATED PESTICIDES, TCL** **SW8081B**			BatchID: **195673**	Analysis Date: **09/02/2014**	Seq No: **5806738**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methoxychlor	BRL	0.25									
Methyl Parathion	BRL	0.050									N
Mirex	BRL	0.025									N
Oxychlordane	BRL	0.050									N
Toxaphene	BRL	2.5									
trans-Chlordane	BRL	0.050									
trans-Nonachlor	BRL	0.050									N
Surr: Decachlorobiphenyl	0.1056	0	0.2500		42.2	15	115				
Surr: Tetrachloro-m-xylene	0.1467	0	0.2500		58.7	15.1	115				

Sample ID: **LCS-195673**	Client ID:			Units: **ug/L**	Prep Date: **09/02/2014**	Run No: **275111**
SampleType: **LCS**	TestCode: **CHLORINATED PESTICIDES, TCL** **SW8081B**			BatchID: **195673**	Analysis Date: **09/02/2014**	Seq No: **5806748**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	0.4536	0.050	0.5000		90.7	55.4	137				
Aldrin	0.3873	0.025	0.5000		77.5	42.7	120				
Dieldrin	0.4933	0.050	0.5000		98.7	53.5	133				
Endrin	0.4652	0.050	0.5000		93.0	56.8	138				
gamma-BHC	0.4369	0.025	0.5000		87.4	50.7	127				
Heptachlor	0.3910	0.025	0.5000		78.2	46.5	129				
Surr: Decachlorobiphenyl	0.1305	0	0.2500		52.2	15	115				
Surr: Tetrachloro-m-xylene	0.1641	0	0.2500		65.6	15.1	115				

Sample ID: **1408Q21-001AMS**	Client ID:			Units: **ug/L**	Prep Date: **09/02/2014**	Run No: **275111**
SampleType: **MS**	TestCode: **CHLORINATED PESTICIDES, TCL** **SW8081B**			BatchID: **195673**	Analysis Date: **09/02/2014**	Seq No: **5806774**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	0.8135	0.10	1.000		81.4	27.4	137				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Brookhaven
Workorder: 1408N84

ANALYTICAL QC SUMMARY REPORT

BatchID: 195673

Sample ID: **1408Q21-001AMS** Client ID: Units: **ug/L** Prep Date: **09/02/2014** Run No: **275111**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **195673** Analysis Date: **09/02/2014** Seq No: **5806774**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aldrin	0.9372	0.050	1.000		93.7	25.3	120				
Dieldrin	1.166	0.10	1.000		117	35.8	135				
Endrin	1.530	0.10	1.000		153	41.8	138				S
gamma-BHC	1.435	0.050	1.000		143	37.7	119				S
Heptachlor	1.222	0.050	1.000		122	35.2	124				
Surr: Decachlorobiphenyl	0.3118	0	0.5000		62.4	15	115				
Surr: Tetrachloro-m-xylene	0.6516	0	0.5000		130	15.1	115				S

Sample ID: **1408Q21-001AMSD** Client ID: Units: **ug/L** Prep Date: **09/02/2014** Run No: **275111**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **195673** Analysis Date: **09/02/2014** Seq No: **5806786**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	0.7796	0.10	1.000		78.0	27.4	137	0.7796	0	23.2	
Aldrin	0.9346	0.050	1.000		93.5	25.3	120	0.9346	0	26	
Dieldrin	1.150	0.10	1.000		115	35.8	135	1.150	0	24.8	
Endrin	1.497	0.10	1.000		150	41.8	138	1.497	0	24.2	S
gamma-BHC	1.341	0.050	1.000		134	37.7	119	1.341	0	23.4	S
Heptachlor	1.191	0.050	1.000		119	35.2	124	1.191	0	23.2	
Surr: Decachlorobiphenyl	0.3270	0	0.5000		65.4	15	115	0.3270	0	0	
Surr: Tetrachloro-m-xylene	0.6632	0	0.5000		133	15.1	115	0.6632	0	0	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX G

Summary of Remedy Implementation Sampling and Analysis Activities, Wooded Area at Southern Property Line

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February 23, 2017

Mr. Gary Rogers
Environmental Manager
Rollins, Inc.
2170 Piedmont Road NE
Atlanta, Georgia 30324

Subject: **Summary of Remedy Implementation Sampling and Analysis Activities**
Wooded Area at Southern Property Line
Sampling Completed November and December 2016
Dettelbach Pesticide Warehouse Site, HSI No. 10612
1251 Park Avenue, Atlanta, DeKalb County, Georgia
EarthCon Project No. 02.20140272.00

Dear Mr. Rogers:

EarthCon Consultants, Inc. (EarthCon) is pleased to provide this letter report to summarize the remedy implementation activities conducted at the Dettelbach Pesticide Warehouse (DPW) property, located at 1251 Park Avenue in Atlanta (Brookhaven), DeKalb County, Georgia. Remedy implementation activities were conducted from November 2016 to December 2016 and include additional soil delineation, excavation confirmation sampling, soil stockpile waste characterization, additional excavation confirmation sampling, and additional soil stockpile waste characterization.

These activities were completed for soils located in the wooded area along the southern property line that contained pesticide concentrations exceeding the residential and non-residential risk reduction standards (RRS) and were slated for removal. The approved RRS for this site are included on Table 1.

Additional Soil Delineation – Wooded Area at Southern Property Line

On November 7, 2016, additional soil delineation was conducted in the southeast wooded area of Tract A and behind the existing stone block wall on Tract C. A total of 11 grab soil samples were collected at designated intervals from nine hand-auger soil borings (CS-5, CS-6, CS-7, CS-8, CS-9, CS-10, CS-11, CS-12, and CS-13). The boring locations are shown on Figure 1. The purpose of the additional soil investigation was to further delineate pesticide concentrations in soil both horizontally and vertically in the southeast wooded area and characterize the soil in both areas for future disposal.

In the southeast wooded area of Tract A, seven grab soil samples were collected from hand auger borings CS-5, CS-6, CS-7, CS-8, and CS-9 at depths ranging from 6 inches to 5 feet below ground surface (bgs) and analyzed for total pesticides using EPA Method 8081A. The remaining soil from each sample was homogenized to create one composite sample for analysis by the toxicity characteristic leaching procedure (TLCP). This sample was designated as TCLP-1.

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In the area behind the stone block wall behind the existing building on Tract C, four grab soil samples were collected from hand auger borings CS-10, CS-11, CS-12, and CS-13 at depths ranging from 3 to 5 feet bgs. The soil was homogenized to create one composite sample for analysis by TCLP. This sample was designated TCLP-2.

Results of the additional soil delineation indicated the horizontal extent of the proposed excavation would be smaller than the area proposed in the approved *Voluntary Investigation and Remediation Plan* dated September 8, 2015. The laboratory analytical report for the additional delineation activities is provided as Appendix A.

Excavation Confirmation Sampling and Soil Stockpile Waste Characterization – Wood Area at Southern Property Line

Subsequent to the additional delineation activities, soil in the southeast wooded area was excavated, placed on plastic sheeting, and temporarily stockpiled on-site. On November 21, 2016, excavation confirmation soil sampling was conducted to confirm the removal of soil containing pesticide concentrations above non-residential risk reduction standards (RRSs) was achieved. Nine samples were collected from various depths from the centerline of each excavation side wall and analyzed for total pesticides using EPA Method 8081A. One sample was collected from the centerline of each side wall at two feet below the top of excavation (EXC-1, EXC-3, EXC-5, and EXC-7), one sample was collected from the floor of the base of the excavation at the centerline of each side wall (EXC-2, EXC-4, EXC-6, and EXC-8), and one sample was collected from the floor of the center of the excavation (EXC-10). The excavation was approximately 30 feet wide, 50 feet long, and 5 feet deep. The approximate excavated area and confirmation sampling locations are shown on Figure 2.

The results of the excavation confirmation sampling indicated that only chlordane concentrations for samples collected from EXC-1, EXC-3, EXC-6, and EXC-8 exceeded the non-residential RRS of 11.1 mg/Kg. As such, additional excavation and confirmation sampling would be needed.

In addition to the confirmation samples, excavated soil was sampled for waste characterization disposal purposes. Various depths and locations of the stockpile were sampled and homogenized into one composite sample for analysis by TCLP. This sample was designated SP-1. The laboratory analytical report for both the confirmation soil samples and the stockpile soil sample is provided as Appendix B.

Additional Excavation Confirmation Sampling – Wooded Area at Southern Property Line

On November 28, 2016, additional excavation confirmation sampling was conducted. The northern and eastern side walls were excavated to a depth of 7 feet bgs at 3 feet inside the excavation side well. The southern and western side walls were extended 3 feet and excavated to a depth of 3 feet bgs. Four confirmation soil samples were collected from the centerline of the floor of each additional excavation side wall (EXC-11, EXC-12, EXC-13, and EXC-14) and analyzed for total pesticides by EPA Method 8081A. The additional approximate excavated area and confirmation sampling locations are shown on Figure 3.

Results of the additional excavation confirmation sampling indicated the extent of soil excavation was below the residential RRS. The laboratory analytical report for the additional confirmation sampling is provided as Appendix C.

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Additional Soil Stockpile Waste Characterization – From Soil Excavated at Southern Property Line and Detention Pond

On December 7, 2016, additional excavated soil stockpiled on site was sampled and analyzed for total pesticides using EPA Method 8081A and for TCLP pesticide analysis for chlordane. Both additional excavated soils from the contaminated area and other excavated areas for detention pond construction were separated and stockpiled on plastic sheeting. In order to further characterize the contaminated waste, the stockpiles were divided into multiple sections in an attempt to better characterize the soil for disposal. Six samples were collected from three contaminated soil piles divided up into two sections (SP-2, SP-3, SP-5, SP-6, SP-7, and SP-8), and two samples were collected from two pond construction soil stockpiles (SP-4 and SP-9). Measurements of the stockpiles and stumps removed during construction were approximately 225 feet long, 30 feet wide, and varied from 1 to 6 feet high. The approximate location and measurements of the stockpile are shown on Figure 4.

Results of the contaminated soil and pond stockpiled soil samples exceeded limits for non-hazardous and hazardous landfill disposal. As a result, Rollins made the decision to postpone construction activities in order to dispose of the stockpiled soil by means of incineration. The laboratory analytical report for the additional soil stockpile waste characterization is provided as Appendix D.

If you have any questions regarding this summary letter, please feel free to contact the undersigned at (770) 973-2100.

Sincerely,

Samantha Woolf, E.I.T.
Staff Engineer

Russell K. Schlecht, P.E.
Principal Engineer

Attachments

Table 1:	Summary of Approved Residential and Non-Residential Risk Reduction Standards
Figure 1:	Additional Soil Delineation – November 7, 2016
Figure 2:	Initial Excavation Limits Confirmation Sampling and Soil Stockpile Waste Characterization – November 21, 2016
Figure 3:	Additional Excavation Limits Confirmation Sampling – November 28, 2016
Figure 4:	Additional Soil Stockpile Waste Characterization – December 7, 2016
Appendix A:	Laboratory Analytical Report – November 7, 2016 – Additional Soil Delineation – Wooded Area at Southern Property Line
Appendix B:	Laboratory Analytical Report – November 21, 2016 – Initial Excavation Limits – Wooded Area at Southern Property Line

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Appendix C:	Laboratory Analytical Report – November 28, 2016 – Additional Excavation Limits – Wood Area at Southern Property Line
Appendix D:	Laboratory Analytical Report – December 7, 2016 – Additional Soil Stockpile Waste Characterization (For Disposal) – From Soil Excavated Wooded Area at the Southern Property Line and Detention Pond

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TABLE 1
SUMMARY OF APPROVED RESIDENTIAL AND NON-RESIDENTIAL RISK REDUCTION STANDARDS

Regulated Substance (mg/Kg)	**Type 1** (Residential)	**Type 4** (Non-Residential)
4,4'-DDD	0.66	56.1
4,4'-DDE	0.66	39.6
4,4'-DDT	0.66	56.8
Aldrin	0.66	--
Chlordane	9.2	11.1
Dieldrin	0.66	0.14
Endosulfan I	10	--
Endrin	10	--
gamma-BHC	0.66	--
Heptachlor	0.66	1.05
Heptachlor epoxide	1.64	0.13

Notes
mg/Kg - milligram per kilogram
-- Not calculated

FIGURES

N

TRACT A

TRACT C

NORFOLK SOUTHERN RAILROAD
RIGHT-OF-WAY WIDTH VARIES
CENTERLINE OF RIGHT-OF-WAY IS CENTERLINE OF EASTERLY RAIL

APPLE VALLEY ROAD
40' RIGHT-OF-WAY

CHAIN LINK FENCE

CHAIN LINK FENCE

SB-5
SB-6
SB-07
SB-08
SB-09
SB-11
SB-12
SB-14
B-5
SB-15
SB-16
SB-17
SB-18
SB-19
SB-20/SB-61
SB-21
SB-22
SB-24/SB-62
SB-25
SB-26
SB-28
SB-29
SB-30
SB-31
/SB-63
SB-32
SB-33
SB-34
SB-35
SB-37
SB-38
SB-39
SB-40
SB-41
SB-42
SB-44
SB-45
SB-46
SB-47
SB-48
SB-49
SB-50
/SB-65
SB-51
SB-60
SB-64
SB-66
B-1
B-2
B-3
B-4
CS-5
CS-6
CS-7
CS-8
CS-9
CS-10
CS-11
CS-12
CS-13
EXISTING BUILDING

APPROXIMATE LAND LOT LINE

LAND LOT 241

Sample ID	Toxicity Characteristic Leaching Procedure (TCLP) Analysis (mg/L)						
	Chlordane	Endrin	gamma-BHC	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
TCLP-1	0.025	BRL	BRL	0.00069	0.0018	BRL	BRL
TCLP-2	0.053*	BRL	BRL	0.0016	0.00270	BRL	BRL

Notes

BRL - Below Reporting Limit

* - value exceeds maximum contaminant level

LEGEND

SB-64 SOIL BORING LOCATION – EXCEEDS RRS

SB-47 SOIL BORING LOCATION – DOES NOT EXCEED RRS

0 20 40 80

SCALE IN FEET

NOTE:
TCLP-1: CS-10, CS-11, CS-12, and CS-13 homogenized into one composite sample
TCLP-2: CS-5, CS-6, CS-7, CS-8, and CS-9 homogenized into one composite sample

SOURCE: LANDMAN INC. dba LAND DEVELOPING CO. BOUNDARY SURVEY (3/27/2014)

SURVEY NOTES

1. THIS SURVEY WAS MADE ON THE GROUND USING A CARLSON NETWORK CORRECTED RTK RECEIVER, A SOUTH 2 SECOND TOTAL STATION AND A STEEL TAPE.

2. THE MAXIMUM RELATIVE POSITIONAL ERROR WAS COMPUTED TO BE 0.06 FEET AND WAS ADJUSTED USING NETWORK LEAST SQUARES METHOD.

3. THE DISTANCES AND AREAS SHOWN ON THIS SURVEY GROUND. THE COMBINED GRID FACTOR USED IS 0.99986. THE BASIS OF BEARING IS GEORGIA STATE PLANE COORDINATE SYSTEM WEST ZONE.

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA
DEKALB COUNTY
HSI SITE NUMBER 10612
PROJECT NO. 02.20140272.00

EARTHCON®

EarthCon Consultants, Inc.

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

ADDITIONAL SOIL DELINEATION
WOODED AREA AT SOUTHERN PROPERTY LINE
NOVEMBER 7, 2016

DB-1

DRAWN:	CHECKED:	DATE:	FIGURE:
SNW	RKS	FEB 16, 2017	1

FILENAME: alternatives_recover_wp - copy.dwg

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Sample ID	Depth (ft, bgs)	Chlordane (mg/Kg)
EXC-3	0-2'	**25**
EXC-4	5'	2.2

Sample ID	Depth (ft, bgs)	Chlordane (mg/Kg)
EXC-10	5'	0.52

Sample ID	Depth (ft, bgs)	Chlordane (mg/Kg)
EXC-7	0-2'	**11**
EXC-8	5'	**44**

Sample ID	Depth (ft, bgs)	Chlordane (mg/Kg)
EXC-1	0-2'	**15**
EXC-2	5'	2.4

Sample ID	Depth (ft, bgs)	Chlordane (mg/Kg)
EXC-5	0-2'	0.93
EXC-6	5'	**350**

PROPOSED STORM WATER DETENTION POND

TRACT A

DETTELBACH PESTICIDE SITE

SIDE SETBACK (20')

~50'

~30'

12"BLOCK WALL

TRACT C

ASPHALT

EXISTING WALL

REMOVE ASPHALT AND GRASS WITH SOD

ASPHALT PARKING

LEGEND

APPROXIMATE EXTENT OF INITIAL EXCAVATION
[DEPTH = 5 FEET, BELOW GROUND SURFACE (BGS)]

Residential RRS	9.2 mg/Kg
Non-Residential RRS	11.1 mg/Kg

Notes

RRS - Risk Reduction Standard

Bold values exceed the residential RRS

Bold and highlighted values exceed the non-residential RRS

Sample ID	Soil Pile - Toxicity Characteristic Leaching Procedure (TCLP) Analysis (mg/L)						
	Chlordane	Endrin	gamma-BHC	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
SP-1	BRL	0.000048 J	BRL	0.00036 J	0.00060	BRL	BRL

Notes

BRL - Below Reporting Limit

0 20 40 Feet

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA
DEKALB COUNTY
HSI SITE NUMBER 10612
PROJECT NO. 02.20140272.00

EARTHCON®

EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

INITIAL EXCAVATION LIMITS
CONFIRMATION SAMPLING
WOODED AREA AT SOUTHERN PROPERTY LINE
NOVEMBER 21, 2016

DB-2

DRAWN:	CHECKED:	DATE:	FIGURE:
SNW	RKS	FEB 16, 2017	2

FILENAME: brookhaven dpw measurements.dwg

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Sample ID	Depth (ft, bgs)	Chlordane (mg/Kg)
EXC-11	3'	3.6

Sample ID	Depth (ft, bgs)	Chlordane (mg/Kg)
EXC-12	7'	0.014 J

Sample ID	Depth (ft, bgs)	Chlordane (mg/Kg)
EXC-14	3'	0.063

Sample ID	Depth (ft, bgs)	Chlordane (mg/Kg)
EXC-13	7'	0.22

PROPOSED STORM WATER DETENTION POND

TRACT A

DETTELBACH PESTICIDE SITE

SIDE SETBACK (20')

~56'

~33'

12"BLOCK WALL

TRACT C

ASPHALT

EXISTING WALL

ASPHALT PARKING

REMOVE ASPHALT AND GRASS WITH SOD

Residential RRS	9.2 mg/Kg
Non-Residential RRS	11.1 mg/Kg

Notes

RRS - Risk Reduction Standard

Bold values exceed the residential RRS

Bold and highlighted values exceed the non-residential RRS

J - estimated value

LEGEND

APPROXIMATE EXTENT OF INITIAL EXCAVATION
[DEPTH = 5 FEET, BELOW GROUND SURFACE (BGS)]

APPROXIMATE EXTENT OF ADDITIONAL EXCAVATION
[NORTH AND EAST DEPTH = 7 FT, BGS]

APPROXIMATE EXTENT OF ADDITIONAL EXCAVATION
[SOUTH AND WEST DEPTH = 3 FT, BGS]

0 20 40 Feet

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA
DEKALB COUNTY
HSI SITE NUMBER 10612
PROJECT NO. 02.20140272.00

EARTHCON®

EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

ADDITIONAL EXCAVATION LIMITS
CONFIRMATION SAMPLING
WOODED AREA AT SOUTHERN PROPERTY LINE
NOVEMBER 28, 2016

DB-3

DRAWN:	CHECKED:	DATE:	FIGURE:
SNW	RKS	FEB 16, 2017	3

FILENAME: brookhaven dpw measurements.dwg

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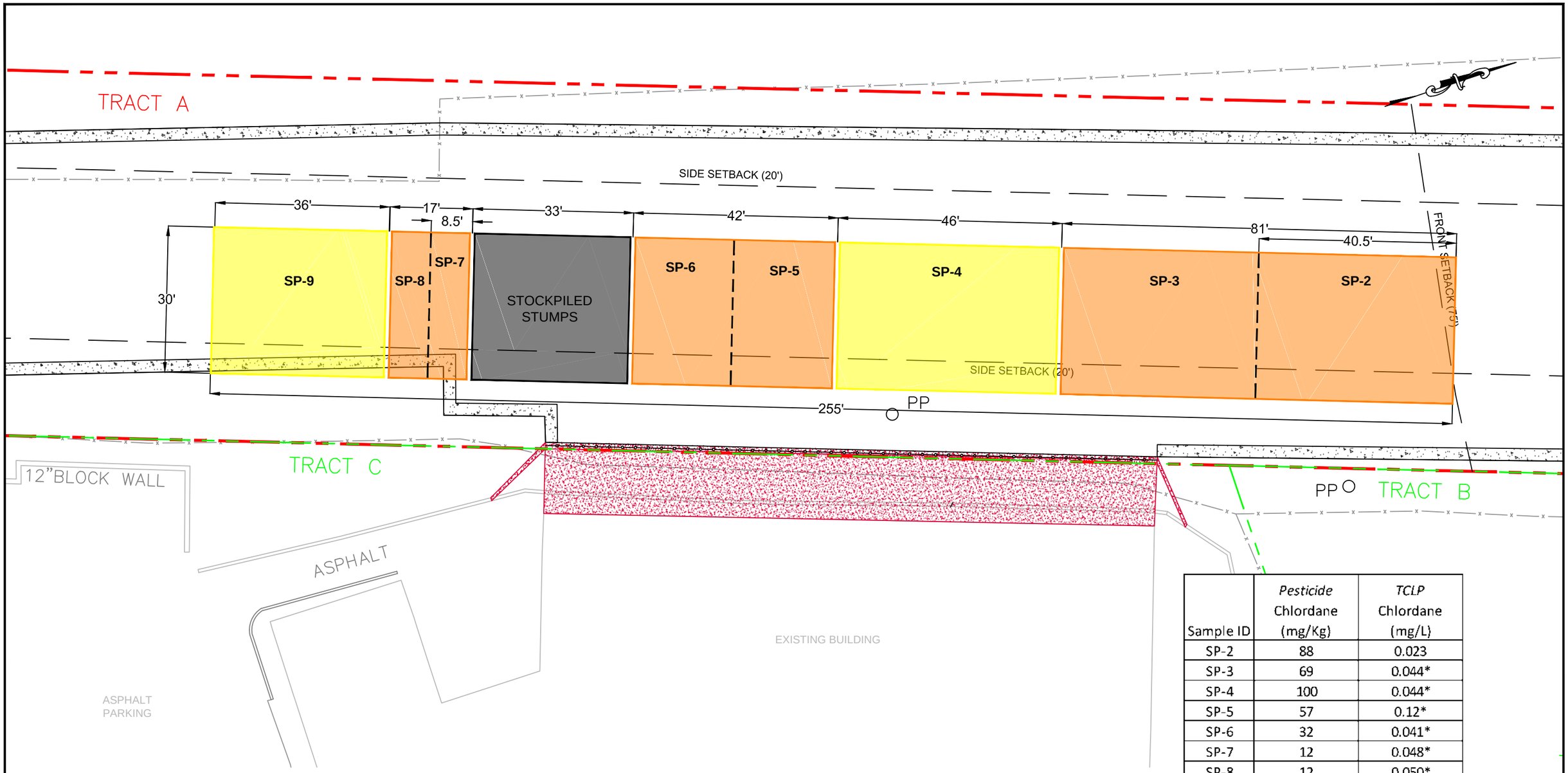

Sample ID	*Pesticide* Chlordane (mg/Kg)	*TCLP* Chlordane (mg/L)
SP-2	88	0.023
SP-3	69	0.044*
SP-4	100	0.044*
SP-5	57	0.12*
SP-6	32	0.041*
SP-7	12	0.048*
SP-8	12	0.050*
SP-9	20	0.044*

Notes

* - value exceeds maximum contaminant level

LEGEND

APPROXIMATE EXTENT OF POND SOIL STOCKPILE

APPROXIMATE EXTENT OF EXCAVATION SOIL STOCKPILE

0 20 40 Feet

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA
DEKALB COUNTY
HSI SITE NUMBER 10612
PROJECT NO. 02.20140272.00

EARTHCON®

EarthCon Consultants, Inc.

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

ADDITIONAL SOIL STOCKPILE
WASTE CHARACTERIZATION
EXCAVATED SOIL FROM WOODED AREA AT
SOUTHERN PROPERTY LINE AND DETENTION POND
DECEMBER 7, 2016

DB-4

DRAWN:	CHECKED:	DATE:	FIGURE:
SNW	RKS	FEB 16, 2017	4

FILENAME: brookhaven dpw measurements.dwg

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APPENDIX A

LABORATORY ANALYTICAL RESULTS
NOVEMBER 7, 2016
ADDITIONAL SOIL DELINEATION
WOODED AREA AT SOUTHERN PROPERTY LINE

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 14, 2016

Samantha Woolf
EarthCon Consultants, Inc.
1880 West Oak Parkway
Marietta GA 30062

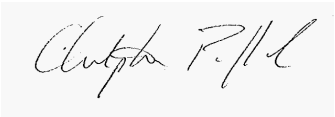
TEL: (770) 973-2100
FAX: (770) 973-7395

RE: DPW Brookhaven

Dear Samantha Woolf: Order No: 1611617

Analytical Environmental Services, Inc. received 10 samples on November 7, 2016 5:39 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.



Chris Pafford
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1611617

Attn: Chris Pafford

Date: 11/7/2016 Page 1 of 1

COMPANY: EarthCon Consultants	ADDRESS: 1880 West Oak Parkway Building 100, Suite 104 Marietta, GA 30062
PHONE: 770-973-2100	FAX: 770-973-7395
SAMPLED BY: Samantha Woolf	SIGNATURE: Samantha Woolf

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCLP Pesticides, leached	Chlorinated Pesticides	No # of Containers	REMARKS
1	TCLP-1	11/7/16	1000		X	SO	1		1	
2	TCLP-2		1715		X	SO	1		1	
3	CS-7-0-2'		1045	X		SO		1	1	
4	CS-7-4-5'		1100	X		SO		1	1	
5	CS-8-0-2'		1145	X		SO		1	1	
6	CS-8-4-5'		1230	X		SO		1	1	
7	CS-6-0-2'		1415	X		SO		1	1	
8	CS-5-0-2'		1445	X		SO		1	1	
9	CS-9-0-2'		1540	X		SO		1	1	
10	CS-9-3'		1615	X		SO		1	1	
11										
12										
13										
14										

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

ANALYSIS REQUESTED

PRESERVATION (See codes)

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1: Samantha Woolf	11/7/16 539	1: Mary Lee	11/7/16 5:39 PM
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD:
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: DPW Brookhaven
PROJECT #: 02.20140272.00
SITE ADDRESS: 2600 Apple Valley Road Atlanta, Brookhaven, GA 30309
SEND REPORT TO: Russ Schelet and Samantha Woolf
INVOICE TO: (IF DIFFERENT FROM ABOVE) Samantha Woolf
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers: 10

Turnaround Time Request
- ☐ Standard 5 Business Days
- ☒ 2 Business Day Rush
- ☐ Next Business Day Rush
- ☐ Same Day Rush (auth req.)
- ☐ Other _____

STATE PROGRAM (if any): _____
E-mail? Fax?
DATA PACKAGE: I ○ II ○ III ○ IV ○

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 14-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	TCLP-1
Project Name:	DPW Brookhaven	**Collection Date:**	11/7/2016 10:00:00 AM
Lab ID:	1611617-001	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**					
Chlordane	0.025		0.00030	0.0050	mg/L	232617	1	11/10/2016 15:18	SH
Endrin	BRL		0.000013	0.0010	mg/L	232617	1	11/10/2016 15:18	SH
gamma-BHC	BRL		0.000047	0.00050	mg/L	232617	1	11/10/2016 15:18	SH
Heptachlor	0.00069		0.000013	0.00050	mg/L	232617	1	11/10/2016 15:18	SH
Heptachlor epoxide	0.0018		0.000038	0.00050	mg/L	232617	1	11/10/2016 15:18	SH
Methoxychlor	BRL		0.00027	0.0050	mg/L	232617	1	11/10/2016 15:18	SH
Toxaphene	BRL		0.00040	0.050	mg/L	232617	1	11/10/2016 15:18	SH
Surr: Decachlorobiphenyl	86.2		0	32.1-131	%REC	232617	1	11/10/2016 15:18	SH
Surr: Tetrachloro-m-xylene	103		0	37-117	%REC	232617	1	11/10/2016 15:18	SH

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 14-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	TCLP-2
Project Name:	DPW Brookhaven	**Collection Date:**	11/7/2016 5:15:00 PM
Lab ID:	1611617-002	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**					
Chlordane	0.053	*	0.00030	0.0050	mg/L	232617	1	11/10/2016 15:29	SH
Endrin	BRL		0.000013	0.0010	mg/L	232617	1	11/10/2016 15:29	SH
gamma-BHC	BRL		0.000047	0.00050	mg/L	232617	1	11/10/2016 15:29	SH
Heptachlor	0.0019		0.000013	0.00050	mg/L	232617	1	11/10/2016 15:29	SH
Heptachlor epoxide	0.0027		0.000038	0.00050	mg/L	232617	1	11/10/2016 15:29	SH
Methoxychlor	BRL		0.00027	0.0050	mg/L	232617	1	11/10/2016 15:29	SH
Toxaphene	BRL		0.00040	0.050	mg/L	232617	1	11/10/2016 15:29	SH
Surr: Decachlorobiphenyl	83		0	32.1-131	%REC	232617	1	11/10/2016 15:29	SH
Surr: Tetrachloro-m-xylene	103		0	37-117	%REC	232617	1	11/10/2016 15:29	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 14-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	CS-7-0-2'
Project Name:	DPW Brookhaven	**Collection Date:**	11/7/2016 10:45:00 AM
Lab ID:	1611617-003	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
2,4-DDD	BRL	N	0.00048	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
2,4-DDE	BRL	N	0.00041	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
2,4-DDT	BRL	N	0.00028	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
4,4´-DDD	BRL		0.00018	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
4,4´-DDE	0.0071		0.00017	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
4,4´-DDT	0.012		0.00017	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Aldrin	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
alpha-Chlordane	0.0065		0.00021	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
beta-BHC	BRL		0.00031	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Chlordane	0.071		0.0039	0.035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Chlorpyrifos	BRL	N	0.0035	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
cis-Chlordane	BRL		0.00063	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
cis-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
delta-BHC	BRL		0.00019	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Dieldrin	0.016		0.00015	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Endosulfan II	BRL		0.00023	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Endosulfan sulfate	BRL		0.00018	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Endrin	BRL		0.00014	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Endrin aldehyde	BRL		0.00024	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Endrin ketone	BRL		0.00022	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
gamma-BHC	BRL		0.00020	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
gamma-Chlordane	0.0078		0.00015	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Heptachlor	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Heptachlor epoxide	0.0034		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Hexachlorobenzene	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Methoxychlor	BRL		0.00050	0.018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Mirex	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Oxychlordane	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Toxaphene	BRL		0.0045	0.18	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
trans-Chlordane	BRL		0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
trans-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 15:15	SH
Surr: Decachlorobiphenyl	89.2		0	45-128	%REC	232476	1	11/09/2016 15:15	SH
Surr: Tetrachloro-m-xylene	73.3		0	46-120	%REC	232476	1	11/09/2016 15:15	SH
PERCENT MOISTURE D2216									
Percent Moisture	5.89		0	0	wt%	R329581	1	11/10/2016 08:00	BD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 14-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	CS-7-4-5'
Project Name:	DPW Brookhaven	**Collection Date:**	11/7/2016 11:00:00 AM
Lab ID:	1611617-004	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
2,4-DDD	BRL	N	0.00047	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
2,4-DDE	BRL	N	0.00040	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
2,4-DDT	BRL	N	0.00027	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
4,4´-DDD	BRL		0.00017	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
4,4´-DDE	BRL		0.00016	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
4,4´-DDT	0.012		0.00017	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Aldrin	BRL		0.00017	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
alpha-BHC	BRL		0.00021	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
alpha-Chlordane	0.18		0.0020	0.017	mg/Kg-dry	232476	10	11/09/2016 18:54	SH
beta-BHC	BRL		0.00030	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Chlordane	4.3		0.038	0.35	mg/Kg-dry	232476	10	11/09/2016 18:54	SH
Chlorpyrifos	BRL	N	0.0035	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
cis-Chlordane	BRL		0.00061	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
cis-Nonachlor	BRL	N	0.0017	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
delta-BHC	BRL		0.00019	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Dieldrin	0.015		0.00015	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Endosulfan I	BRL		0.00017	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Endosulfan II	BRL		0.00022	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Endosulfan sulfate	BRL		0.00018	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Endrin	BRL		0.00014	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Endrin aldehyde	BRL		0.00023	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Endrin ketone	BRL		0.00021	0.0035	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
gamma-BHC	BRL		0.00020	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
gamma-Chlordane	0.51		0.0015	0.017	mg/Kg-dry	232476	10	11/09/2016 18:54	SH
Heptachlor	0.65		0.0035	0.035	mg/Kg-dry	232476	20	11/10/2016 16:36	SH
Heptachlor epoxide	0.14		0.0018	0.017	mg/Kg-dry	232476	10	11/09/2016 18:54	SH
Hexachlorobenzene	BRL	N	0.0017	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Methoxychlor	BRL		0.00049	0.017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Mirex	BRL	N	0.0017	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Oxychlordane	BRL	N	0.0017	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Toxaphene	BRL		0.0044	0.17	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
trans-Chlordane	BRL		0.0017	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
trans-Nonachlor	BRL	N	0.0017	0.0017	mg/Kg-dry	232476	1	11/09/2016 15:26	SH
Surr: Decachlorobiphenyl	107		0	45-128	%REC	232476	1	11/09/2016 15:26	SH
Surr: Tetrachloro-m-xylene	106		0	46-120	%REC	232476	1	11/09/2016 15:26	SH
PERCENT MOISTURE D2216									
Percent Moisture	3.63		0	0	wt%	R329581	1	11/10/2016 08:00	BD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 14-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	CS-8-0-2'
Project Name:	DPW Brookhaven	**Collection Date:**	11/7/2016 11:45:00 AM
Lab ID:	1611617-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
2,4-DDD	BRL	N	0.049	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
2,4-DDE	BRL	N	0.043	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
2,4-DDT	BRL	N	0.029	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
4,4´-DDD	BRL		0.018	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
4,4´-DDE	1.6		0.017	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
4,4´-DDT	17		0.18	3.6	mg/Kg-dry	232476	1000	11/09/2016 19:28	SH
Aldrin	BRL		0.018	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
alpha-BHC	BRL		0.023	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
alpha-Chlordane	47		0.21	1.8	mg/Kg-dry	232476	1000	11/09/2016 19:28	SH
beta-BHC	BRL		0.032	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Chlordane	410		4.1	36	mg/Kg-dry	232476	1000	11/09/2016 19:28	SH
Chlorpyrifos	BRL	N	0.36	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
cis-Chlordane	BRL		0.065	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
cis-Nonachlor	BRL	N	0.18	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
delta-BHC	BRL		0.020	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Dieldrin	5.7		0.016	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Endosulfan I	BRL		0.018	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Endosulfan II	BRL		0.024	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Endosulfan sulfate	BRL		0.019	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Endrin	BRL		0.014	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Endrin aldehyde	BRL		0.025	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Endrin ketone	BRL		0.023	0.36	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
gamma-BHC	BRL		0.021	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
gamma-Chlordane	92		0.31	3.7	mg/Kg-dry	232476	2000	11/10/2016 17:10	SH
Heptachlor	16		0.18	1.8	mg/Kg-dry	232476	1000	11/09/2016 19:28	SH
Heptachlor epoxide	2.8		0.019	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Hexachlorobenzene	BRL	N	0.18	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Methoxychlor	BRL		0.051	1.8	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Mirex	BRL	N	0.18	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Oxychlordane	BRL	N	0.18	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Toxaphene	BRL		0.47	18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
trans-Chlordane	BRL		0.18	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
trans-Nonachlor	BRL	N	0.18	0.18	mg/Kg-dry	232476	100	11/09/2016 17:28	SH
Surr: Decachlorobiphenyl	352	S	0	45-128	%REC	232476	100	11/09/2016 17:28	SH
Surr: Tetrachloro-m-xylene	128	S	0	46-120	%REC	232476	100	11/09/2016 17:28	SH
PERCENT MOISTURE D2216									
Percent Moisture	8.69		0	0	wt%	R329581	1	11/10/2016 08:00	BD

Qualifiers:

* Value exceeds maximum contaminant level	E Estimated value above quantitation range
BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
N Analyte not NELAC certified	> Greater than Result value
B Analyte detected in the associated method blank	< Less than Result value
NC Not confirmed	Narr See case narrative

Analytical Environmental Services, Inc **Date:** 14-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	CS-8-4-5'
Project Name:	DPW Brookhaven	**Collection Date:**	11/7/2016 12:30:00 PM
Lab ID:	1611617-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
2,4-DDD	BRL	N	0.00049	0.0036	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
2,4-DDE	BRL	N	0.00042	0.0036	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
2,4-DDT	BRL	N	0.00029	0.0036	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
4,4´-DDD	BRL		0.018	0.36	mg/Kg-dry	232476	100	11/10/2016 16:58	SH
4,4´-DDE	0.093	J	0.0085	0.18	mg/Kg-dry	232476	50	11/09/2016 19:50	SH
4,4´-DDT	2.7		0.0088	0.18	mg/Kg-dry	232476	50	11/09/2016 19:50	SH
Aldrin	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
alpha-Chlordane	2.7		0.011	0.090	mg/Kg-dry	232476	50	11/09/2016 19:50	SH
beta-BHC	BRL		0.00032	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Chlordane	23		0.20	1.8	mg/Kg-dry	232476	50	11/09/2016 19:50	SH
Chlorpyrifos	BRL	N	0.0036	0.0036	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
cis-Chlordane	BRL		0.00064	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
cis-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
delta-BHC	BRL		0.00020	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Dieldrin	0.30		0.0077	0.18	mg/Kg-dry	232476	50	11/09/2016 19:50	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Endosulfan II	BRL		0.00023	0.0036	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Endosulfan sulfate	BRL		0.00019	0.0036	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Endrin	BRL		0.00014	0.0036	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Endrin aldehyde	BRL		0.00024	0.0036	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Endrin ketone	BRL		0.00022	0.0036	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
gamma-BHC	0.0015	J	0.00021	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
gamma-Chlordane	5.1		0.015	0.18	mg/Kg-dry	232476	100	11/10/2016 16:58	SH
Heptachlor	0.80		0.0091	0.090	mg/Kg-dry	232476	50	11/09/2016 19:50	SH
Heptachlor epoxide	0.22		0.0093	0.090	mg/Kg-dry	232476	50	11/09/2016 19:50	SH
Hexachlorobenzene	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Methoxychlor	BRL		0.00051	0.018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Mirex	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Oxychlordane	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Toxaphene	BRL		0.0046	0.18	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
trans-Chlordane	BRL		0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
trans-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 17:40	SH
Surr: Decachlorobiphenyl	94		0	45-128	%REC	232476	1	11/09/2016 17:40	SH
Surr: Tetrachloro-m-xylene	84		0	46-120	%REC	232476	1	11/09/2016 17:40	SH
PERCENT MOISTURE D2216									
Percent Moisture	7.50		0	0	wt%	R329581	1	11/10/2016 08:00	BD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 14-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	CS-6-0-2'
Project Name:	DPW Brookhaven	**Collection Date:**	11/7/2016 2:15:00 PM
Lab ID:	1611617-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
2,4-DDD	BRL	N	0.00048	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
2,4-DDE	BRL	N	0.00042	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
2,4-DDT	BRL	N	0.00028	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
4,4´-DDD	0.054		0.00018	0.0036	mg/Kg-dry	232476	1	11/10/2016 16:03	SH
4,4´-DDE	0.042		0.00017	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
4,4´-DDT	0.31		0.0018	0.036	mg/Kg-dry	232476	10	11/09/2016 20:01	SH
Aldrin	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
alpha-Chlordane	0.23		0.0021	0.018	mg/Kg-dry	232476	10	11/09/2016 20:01	SH
beta-BHC	BRL		0.00031	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Chlordane	1.8		0.040	0.36	mg/Kg-dry	232476	10	11/09/2016 20:01	SH
Chlorpyrifos	BRL	N	0.0036	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
cis-Chlordane	BRL		0.00063	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
cis-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
delta-BHC	BRL		0.00020	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Dieldrin	0.092		0.00015	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Endosulfan II	BRL		0.00023	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Endosulfan sulfate	BRL		0.00019	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Endrin	BRL		0.00014	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Endrin aldehyde	BRL		0.00024	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Endrin ketone	BRL		0.00022	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
gamma-BHC	0.0058		0.00021	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
gamma-Chlordane	0.33		0.0015	0.018	mg/Kg-dry	232476	10	11/09/2016 20:01	SH
Heptachlor	0.0045		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Heptachlor epoxide	0.013		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Hexachlorobenzene	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Methoxychlor	BRL		0.00050	0.018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Mirex	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Oxychlordane	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Toxaphene	BRL		0.0046	0.18	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
trans-Chlordane	BRL		0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
trans-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:22	SH
Surr: Decachlorobiphenyl	51.4		0	45-128	%REC	232476	1	11/09/2016 16:22	SH
Surr: Tetrachloro-m-xylene	80		0	46-120	%REC	232476	1	11/09/2016 16:22	SH
PERCENT MOISTURE D2216									
Percent Moisture	6.86		0	0	wt%	R329581	1	11/10/2016 08:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 14-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	CS-5-0-2'
Project Name:	DPW Brookhaven	**Collection Date:**	11/7/2016 2:45:00 PM
Lab ID:	1611617-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
2,4-DDD	BRL	N	0.00049	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
2,4-DDE	BRL	N	0.00042	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
2,4-DDT	BRL	N	0.00029	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
4,4´-DDD	BRL		0.00018	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
4,4´-DDE	0.22		0.0017	0.036	mg/Kg-dry	232476	10	11/09/2016 20:12	SH
4,4´-DDT	0.73		0.0018	0.036	mg/Kg-dry	232476	10	11/09/2016 20:12	SH
Aldrin	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
alpha-Chlordane	0.81		0.0042	0.036	mg/Kg-dry	232476	20	11/10/2016 16:47	SH
beta-BHC	0.0011	J	0.00032	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Chlordane	5.4		0.040	0.36	mg/Kg-dry	232476	10	11/09/2016 20:12	SH
Chlorpyrifos	BRL	N	0.0036	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
cis-Chlordane	BRL		0.00064	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
cis-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
delta-BHC	BRL		0.00020	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Dieldrin	0.18		0.0015	0.036	mg/Kg-dry	232476	10	11/09/2016 20:12	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Endosulfan II	BRL		0.00023	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Endosulfan sulfate	BRL		0.00019	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Endrin	BRL		0.00014	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Endrin aldehyde	BRL		0.00024	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Endrin ketone	BRL		0.00022	0.0036	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
gamma-BHC	0.00056	J	0.00021	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
gamma-Chlordane	1.0		0.0030	0.036	mg/Kg-dry	232476	20	11/10/2016 16:47	SH
Heptachlor	0.063		0.0018	0.018	mg/Kg-dry	232476	10	11/09/2016 20:12	SH
Heptachlor epoxide	0.33		0.0019	0.018	mg/Kg-dry	232476	10	11/09/2016 20:12	SH
Hexachlorobenzene	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Methoxychlor	BRL		0.00051	0.018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Mirex	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Oxychlordane	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Toxaphene	BRL		0.0046	0.18	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
trans-Chlordane	BRL		0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
trans-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:33	SH
Surr: Decachlorobiphenyl	66.3		0	45-128	%REC	232476	1	11/09/2016 16:33	SH
Surr: Tetrachloro-m-xylene	91.8		0	46-120	%REC	232476	1	11/09/2016 16:33	SH
PERCENT MOISTURE D2216									
Percent Moisture	7.28		0	0	wt%	R329581	1	11/10/2016 08:00	BD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 14-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	CS-9-0-2'
Project Name:	DPW Brookhaven	**Collection Date:**	11/7/2016 3:40:00 PM
Lab ID:	1611617-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
2,4-DDD	BRL	N	0.00049	0.0037	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
2,4-DDE	BRL	N	0.00043	0.0037	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
2,4-DDT	BRL	N	0.00029	0.0037	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
4,4´-DDD	0.16		0.0036	0.073	mg/Kg-dry	232476	20	11/10/2016 16:14	SH
4,4´-DDE	0.12		0.0017	0.037	mg/Kg-dry	232476	10	11/09/2016 20:24	SH
4,4´-DDT	1.2		0.0018	0.037	mg/Kg-dry	232476	10	11/09/2016 20:24	SH
Aldrin	0.0039		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
alpha-BHC	BRL		0.00023	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
alpha-Chlordane	0.52		0.0021	0.018	mg/Kg-dry	232476	10	11/09/2016 20:24	SH
beta-BHC	BRL		0.00032	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Chlordane	3.5		0.041	0.37	mg/Kg-dry	232476	10	11/09/2016 20:24	SH
Chlorpyrifos	BRL	N	0.0037	0.0037	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
cis-Chlordane	BRL		0.00065	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
cis-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
delta-BHC	BRL		0.00020	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Dieldrin	0.25		0.0016	0.037	mg/Kg-dry	232476	10	11/09/2016 20:24	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Endosulfan II	0.00089	J	0.00024	0.0037	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Endosulfan sulfate	BRL		0.00019	0.0037	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Endrin	BRL		0.00014	0.0037	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Endrin aldehyde	BRL		0.00025	0.0037	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Endrin ketone	BRL		0.00023	0.0037	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
gamma-BHC	0.00065	J	0.00021	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
gamma-Chlordane	0.79		0.0031	0.037	mg/Kg-dry	232476	20	11/10/2016 16:14	SH
Heptachlor	0.0093		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Heptachlor epoxide	0.017		0.00019	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Hexachlorobenzene	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Methoxychlor	BRL		0.00051	0.018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Mirex	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Oxychlordane	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Toxaphene	BRL		0.0047	0.18	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
trans-Chlordane	BRL		0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
trans-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:44	SH
Surr: Decachlorobiphenyl	70.8		0	45-128	%REC	232476	1	11/09/2016 16:44	SH
Surr: Tetrachloro-m-xylene	85.7		0	46-120	%REC	232476	1	11/09/2016 16:44	SH
PERCENT MOISTURE D2216									
Percent Moisture	8.79		0	0	wt%	R329581	1	11/10/2016 08:00	BD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 14-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	CS-9-3'
Project Name:	DPW Brookhaven	**Collection Date:**	11/7/2016 4:15:00 PM
Lab ID:	1611617-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
2,4-DDD	BRL	N	0.00048	0.0035	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
2,4-DDE	BRL	N	0.00041	0.0035	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
2,4-DDT	BRL	N	0.00028	0.0035	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
4,4´-DDD	1.7		0.017	0.35	mg/Kg-dry	232476	100	11/10/2016 16:25	SH
4,4´-DDE	0.47		0.0082	0.18	mg/Kg-dry	232476	50	11/09/2016 20:46	SH
4,4´-DDT	0.95		0.0086	0.18	mg/Kg-dry	232476	50	11/09/2016 20:46	SH
Aldrin	BRL		0.00017	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
alpha-Chlordane	3.4		0.021	0.18	mg/Kg-dry	232476	100	11/10/2016 16:25	SH
beta-BHC	BRL		0.00031	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Chlordane	24		0.19	1.8	mg/Kg-dry	232476	50	11/09/2016 20:46	SH
Chlorpyrifos	BRL	N	0.0035	0.0035	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
cis-Chlordane	BRL		0.00062	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
cis-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
delta-BHC	BRL		0.00019	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Dieldrin	0.13	J	0.0075	0.18	mg/Kg-dry	232476	50	11/09/2016 20:46	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Endosulfan II	BRL		0.00023	0.0035	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Endosulfan sulfate	BRL		0.00018	0.0035	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Endrin	0.036		0.00014	0.0035	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Endrin aldehyde	BRL		0.00024	0.0035	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Endrin ketone	BRL		0.00022	0.0035	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
gamma-BHC	BRL		0.00020	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
gamma-Chlordane	4.1		0.015	0.18	mg/Kg-dry	232476	100	11/10/2016 16:25	SH
Heptachlor	0.012		0.00018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Heptachlor epoxide	0.10		0.0091	0.088	mg/Kg-dry	232476	50	11/09/2016 20:46	SH
Hexachlorobenzene	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Methoxychlor	BRL		0.00049	0.018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Mirex	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Oxychlordane	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Toxaphene	BRL		0.0045	0.18	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
trans-Chlordane	BRL		0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
trans-Nonachlor	BRL	N	0.0018	0.0018	mg/Kg-dry	232476	1	11/09/2016 16:55	SH
Surr: Decachlorobiphenyl	66.3		0	45-128	%REC	232476	1	11/09/2016 16:55	SH
Surr: Tetrachloro-m-xylene	78.7		0	46-120	%REC	232476	1	11/09/2016 16:55	SH
PERCENT MOISTURE D2216									
Percent Moisture	5.07		0	0	wt%	R329581	1	11/10/2016 08:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EarthCon Work Order Number 1611617

Checklist completed by _____ 11/7/14
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes ✓ No __ Not Present __

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.2 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes __ No ✓

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611617

ANALYTICAL QC SUMMARY REPORT

BatchID: 232476

Sample ID: **MB-232476** Client ID: Units: **ug/Kg** Prep Date: **11/08/2016** Run No: **329548**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **232476** Analysis Date: **11/09/2016** Seq No: **7158382**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4-DDD	BRL	3.3									N
2,4-DDE	BRL	3.3									N
2,4-DDT	BRL	3.3									N
4,4´-DDD	BRL	3.3									
4,4´-DDE	BRL	3.3									
4,4´-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
Chlordane	BRL	33									
Chlorpyrifos	BRL	3.3									N
cis-Chlordane	BRL	1.7									
cis-Nonachlor	BRL	1.7									N
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Hexachlorobenzene	BRL	1.7									N

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611617

ANALYTICAL QC SUMMARY REPORT

BatchID: 232476

Sample ID: **MB-232476** Client ID: Units: **ug/Kg** Prep Date: **11/08/2016** Run No: **329548**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **232476** Analysis Date: **11/09/2016** Seq No: **7158382**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Methoxychlor	BRL	17									
Mirex	BRL	1.7									N
Oxychlordane	BRL	1.7									N
Toxaphene	BRL	170									
trans-Chlordane	BRL	1.7									
trans-Nonachlor	BRL	1.7									N
Surr: Decachlorobiphenyl	16.00	0	16.67		96.0	45	128				
Surr: Tetrachloro-m-xylene	14.29	0	16.67		85.8	46	120				

Sample ID: **LCS-232476** Client ID: Units: **ug/Kg** Prep Date: **11/08/2016** Run No: **329548**
SampleType: **LCS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **232476** Analysis Date: **11/09/2016** Seq No: **7158385**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	37.75	3.3	33.33		113	70.3	129				
Aldrin	34.30	1.7	33.33		103	57.8	120				
Dieldrin	35.41	3.3	33.33		106	66.3	118				
Endrin	35.91	3.3	33.33		108	66.9	130				
gamma-BHC	34.27	1.7	33.33		103	58.7	119				
Heptachlor	34.30	1.7	33.33		103	60.3	120				
Surr: Decachlorobiphenyl	18.56	0	16.67		111	45	128				
Surr: Tetrachloro-m-xylene	17.42	0	16.67		105	46	120				

Sample ID: **1611617-004AMS** Client ID: **CS-7-4-5'** Units: **ug/Kg-dry** Prep Date: **11/08/2016** Run No: **329548**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **232476** Analysis Date: **11/09/2016** Seq No: **7158393**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	38.43	3.5	34.59	12.36	75.4	47.4	135				
Aldrin	32.62	1.7	34.59		94.3	56.8	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611617

ANALYTICAL QC SUMMARY REPORT

BatchID: 232476

Sample ID: **1611617-004AMS** Client ID: **CS-7-4-5'** Units: **ug/Kg-dry** Prep Date: **11/08/2016** Run No: **329548**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **232476** Analysis Date: **11/09/2016** Seq No: **7158393**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	37.66	3.5	34.59	14.70	66.4	54.9	122				
Endrin	27.91	3.5	34.59		80.7	61.7	127				
gamma-BHC	32.50	1.7	34.59		94.0	59.4	120				
Surr: Decachlorobiphenyl	14.69	0	17.30		84.9	45	128				
Surr: Tetrachloro-m-xylene	16.59	0	17.30		95.9	46	120				

Sample ID: **1611617-004AMS** Client ID: **CS-7-4-5'** Units: **ug/Kg-dry** Prep Date: **11/08/2016** Run No: **329596**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **232476** Analysis Date: **11/10/2016** Seq No: **7160036**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Heptachlor	672.2	35	34.59	651.2	60.8	53.7	124				

Sample ID: **1611617-004AMSD** Client ID: **CS-7-4-5'** Units: **ug/Kg-dry** Prep Date: **11/08/2016** Run No: **329548**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **232476** Analysis Date: **11/09/2016** Seq No: **7158399**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	47.02	3.5	34.59	12.36	100	47.4	135	38.43	20.1	26.8	
Aldrin	36.66	1.7	34.59		106	56.8	120	32.62	11.7	27.6	
Dieldrin	54.27	3.5	34.59	14.70	114	54.9	122	37.66	36.1	23.7	R
Endrin	34.02	3.5	34.59		98.4	61.7	127	27.91	19.7	25.8	
gamma-BHC	35.66	1.7	34.59		103	59.4	120	32.50	9.28	25.2	
Surr: Decachlorobiphenyl	16.79	0	17.30		97.1	45	128	14.69	0	30	
Surr: Tetrachloro-m-xylene	18.13	0	17.30		105	46	120	16.59	0	30	

Sample ID: **1611617-004AMSD** Client ID: **CS-7-4-5'** Units: **ug/Kg-dry** Prep Date: **11/08/2016** Run No: **329596**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **232476** Analysis Date: **11/10/2016** Seq No: **7160037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611617

ANALYTICAL QC SUMMARY REPORT

BatchID: 232476

Sample ID: **1611617-004AMSD** Client ID: **CS-7-4-5'** Units: **ug/Kg-dry** Prep Date: **11/08/2016** Run No: **329596**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **232476** Analysis Date: **11/10/2016** Seq No: **7160037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Heptachlor	1106	35	34.59	651.2	1320	53.7	124	672.2	48.8	25	SR

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611617

ANALYTICAL QC SUMMARY REPORT

BatchID: 232617

Sample ID: **MB-232617** Client ID: Units: **mg/L** Prep Date: **11/10/2016** Run No: **329591**
SampleType: **MBLK** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **232617** Analysis Date: **11/10/2016** Seq No: **7159787**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	BRL	0.0050									
Endrin	BRL	0.0010									
gamma-BHC	BRL	0.00050									
Heptachlor	BRL	0.00050									
Heptachlor epoxide	BRL	0.00050									
Methoxychlor	BRL	0.0050									
Toxaphene	BRL	0.050									
Surr: Decachlorobiphenyl	0.004014	0	0.0050		80.3	32.1	131				
Surr: Tetrachloro-m-xylene	0.004780	0	0.0050		95.6	37	117				

Sample ID: **LCS-232617-1** Client ID: Units: **mg/L** Prep Date: **11/10/2016** Run No: **329591**
SampleType: **LCS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **232617** Analysis Date: **11/10/2016** Seq No: **7159788**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Endrin	0.009298	0.0010	0.0080		116	56.3	143				
gamma-BHC	0.008977	0.00050	0.0080		112	46.9	132				
Heptachlor	0.009028	0.00050	0.0080		113	48.7	137				
Heptachlor epoxide	0.009107	0.00050	0.0080		114	57.5	143				
Methoxychlor	0.03110	0.0050	0.0300		104	51.8	116				
Surr: Decachlorobiphenyl	0.003821	0	0.0050		76.4	32.1	131				
Surr: Tetrachloro-m-xylene	0.004778	0	0.0050		95.6	37	117				

Sample ID: **LCS-232617-2** Client ID: Units: **mg/L** Prep Date: **11/10/2016** Run No: **329591**
SampleType: **LCS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **232617** Analysis Date: **11/10/2016** Seq No: **7159789**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	0.04181	0.0050	0.0400		105	64.4	129				
Toxaphene	0.08339	0.050	0.0800		104	57.6	129				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611617

ANALYTICAL QC SUMMARY REPORT

BatchID: 232617

Sample ID: **LCS-232617-2** Client ID: Units: **mg/L** Prep Date: **11/10/2016** Run No: **329591**
SampleType: **LCS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **232617** Analysis Date: **11/10/2016** Seq No: **7159789**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Decachlorobiphenyl	0.003874	0	0.0050		77.5	32.1	131				
Surr: Tetrachloro-m-xylene	0.005009	0	0.0050		100	37	117				

Sample ID: **1611532-004DMS-1** Client ID: Units: **mg/L** Prep Date: **11/10/2016** Run No: **329591**
SampleType: **MS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **232617** Analysis Date: **11/10/2016** Seq No: **7162092**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Endrin	0.01026	0.0010	0.0080		128	51.1	145				
gamma-BHC	0.01049	0.00050	0.0080		131	42.1	138				
Heptachlor	0.01049	0.00050	0.0080		131	44.5	137				
Heptachlor epoxide	0.009857	0.00050	0.0080		123	55.6	139				
Methoxychlor	0.03476	0.0050	0.0300		116	43.1	127				
Surr: Decachlorobiphenyl	0.004572	0	0.0050		91.4	32.1	131				
Surr: Tetrachloro-m-xylene	0.005759	0	0.0050		115	37	117				

Sample ID: **1611532-004DMS-2** Client ID: Units: **mg/L** Prep Date: **11/10/2016** Run No: **329591**
SampleType: **MS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **232617** Analysis Date: **11/10/2016** Seq No: **7162093**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	0.04538	0.0050	0.0400		113	57.1	138				
Toxaphene	0.09278	0.050	0.0800		116	54.3	134				
Surr: Decachlorobiphenyl	0.004392	0	0.0050		87.8	32.1	131				
Surr: Tetrachloro-m-xylene	0.005797	0	0.0050		116	37	117				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX B

LABORATORY ANALYTICAL RESULTS
NOVEMBER 21, 2016
INITIAL EXCAVATION LIMITS
WOODED AREA AT SOUTHERN PROPERTY LINE

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 25, 2016

Samantha Woolf
EarthCon Consultants, Inc.
1880 West Oak Parkway
Marietta GA 30062

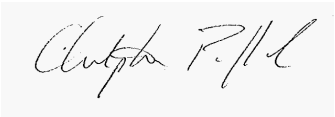
TEL: (770) 973-2100
FAX: (770) 973-7395

RE: DPW Brookhaven

Dear Samantha Woolf: Order No: 1611J64

Analytical Environmental Services, Inc. received 10 samples on 11/21/2016 12:41:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.



Chris Pafford
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Attn: Chris Pafford

Work Order: 16111364

Date: 11/21/2016 Page 1 of 1

COMPANY:	ADDRESS:
EarthCon Consultants, Inc.	1850 West Oak Pkwy Suite 100, Building 100 Marietta, GA 30062
PHONE: 770-973-2100	FAX: 770-973-7393
SAMPLED BY: Samantha Woolf/Keaton Henry	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCLP Pesticides	Chlorinated Pesticides	PRESERVATION (See codes)	REMARKS	No # of Containers
1	SP-1	11/21/16	1045		X	SO	1				1
2	EXC-1		1130	X		SO		1			1
3	EXC-2		1135	X		SO		1			1
4	EXC-3		1110	X		SO		1			1
5	EXC-4		1115	X		SO		1			1
6	EXC-5		1125	X		SO		1			1
7	EXC-6		1127	X		SO		1			1
8	EXC-7		1120	X		SO		1			1
9	EXC-8		1122	X		SO		1			1
10	EXC-10		1118	X		SO		1			1
11											
12											
13											
14											

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Samantha Woolf	11/21/16 1240	1: Jessica Whitley	11/21/16 12:41 pm
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: DPW Brookhaven
PROJECT #: 02.2014.0272.00
SITE ADDRESS: 2600 Apple Valley Rd Brookhaven, Atlanta, GA 30309
SEND REPORT TO: Russ Schlect and Samantha Woolf
INVOICE TO: (IF DIFFERENT FROM ABOVE) Samantha Woolf
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers: 10

Turnaround Time Request
- Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush **(auth req.)**
- Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 28-Nov-16

Client: EarthCon Consultants, Inc.
Project: DPW Brookhaven
Lab ID: 1611J64

Case Narrative

Pesticide Analysis by Method 8081:

4'4-DDT was detected in Method Blank 233407 at 21.38 ug/Kg which was above reporting limit of 3.33 ug/Kg resulting in "B" qualified data for all samples with final Reporting Limits less than the value detected in the Method Blank. Associated sample values were greater than approximately 10X the blank value and data was not affected.

Analytical Environmental Services, Inc **Date:** 28-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SP-1
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 10:45:00 AM
Lab ID:	1611J64-001	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**					
Chlordane	BRL		0.00030	0.0050	mg/L	233399	1	11/23/2016 17:43	SH
Endrin	0.000048	J	0.000013	0.0010	mg/L	233399	1	11/23/2016 17:43	SH
gamma-BHC	BRL		0.000047	0.00050	mg/L	233399	1	11/23/2016 17:43	SH
Heptachlor	0.00036	J	0.000013	0.00050	mg/L	233399	1	11/23/2016 17:43	SH
Heptachlor epoxide	0.00060		0.000038	0.00050	mg/L	233399	1	11/23/2016 17:43	SH
Methoxychlor	BRL		0.00027	0.0050	mg/L	233399	1	11/23/2016 17:43	SH
Toxaphene	BRL		0.00040	0.050	mg/L	233399	1	11/23/2016 17:43	SH
Surr: Decachlorobiphenyl	76.6		0	32.1-131	%REC	233399	1	11/23/2016 17:43	SH
Surr: Tetrachloro-m-xylene	95		0	37-117	%REC	233399	1	11/23/2016 17:43	SH

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 28-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-1
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 11:30:00 AM
Lab ID:	1611J64-002	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	0.16		0.0017	0.035	mg/Kg-dry	233407	10	11/23/2016 17:26	SH
4,4´-DDE	0.27		0.0017	0.035	mg/Kg-dry	233407	10	11/23/2016 17:26	SH
4,4´-DDT	1.1		0.0017	0.035	mg/Kg-dry	233407	10	11/23/2016 17:26	SH
Aldrin	BRL		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
alpha-Chlordane	1.8		0.021	0.18	mg/Kg-dry	233407	100	11/23/2016 19:06	SH
beta-BHC	0.0020		0.00031	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Chlordane	15		0.39	3.5	mg/Kg-dry	233407	100	11/23/2016 19:06	SH
delta-BHC	BRL		0.00019	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Dieldrin	0.092		0.00015	0.0035	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Endosulfan II	BRL		0.00023	0.0035	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Endosulfan sulfate	BRL		0.00018	0.0035	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Endrin	0.043		0.00014	0.0035	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Endrin aldehyde	BRL		0.00024	0.0035	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Endrin ketone	BRL		0.00022	0.0035	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
gamma-BHC	0.0017	J	0.00020	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
gamma-Chlordane	2.6		0.015	0.18	mg/Kg-dry	233407	100	11/23/2016 19:06	SH
Heptachlor	0.12		0.0018	0.018	mg/Kg-dry	233407	10	11/23/2016 17:26	SH
Heptachlor epoxide	0.099		0.0018	0.018	mg/Kg-dry	233407	10	11/23/2016 17:26	SH
Methoxychlor	BRL		0.00049	0.018	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Toxaphene	BRL		0.0045	0.18	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Surr: Decachlorobiphenyl	85.1		0	45-128	%REC	233407	1	11/23/2016 12:20	SH
Surr: Tetrachloro-m-xylene	66.7		0	46-120	%REC	233407	1	11/23/2016 12:20	SH
PERCENT MOISTURE D2216									
Percent Moisture	5.24		0	0	wt%	R330650	1	11/23/2016 16:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 28-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-2
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 11:35:00 AM
Lab ID:	1611J64-003	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	0.040		0.00088	0.018	mg/Kg-dry	233407	5	11/23/2016 17:37	SH
4,4´-DDE	0.027		0.00084	0.018	mg/Kg-dry	233407	5	11/23/2016 17:37	SH
4,4´-DDT	0.63		0.0044	0.089	mg/Kg-dry	233407	25	11/23/2016 19:17	SH
Aldrin	BRL		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
alpha-Chlordane	0.21		0.0010	0.0089	mg/Kg-dry	233407	5	11/23/2016 17:37	SH
beta-BHC	BRL		0.00031	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Chlordane	2.4		0.020	0.18	mg/Kg-dry	233407	5	11/23/2016 17:37	SH
delta-BHC	BRL		0.00019	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Dieldrin	BRL		0.00015	0.0036	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Endosulfan II	BRL		0.00023	0.0036	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Endosulfan sulfate	BRL		0.00019	0.0036	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Endrin	0.0063		0.00014	0.0036	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Endrin aldehyde	BRL		0.00024	0.0036	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Endrin ketone	BRL		0.00022	0.0036	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
gamma-BHC	BRL		0.00021	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
gamma-Chlordane	0.59		0.0038	0.045	mg/Kg-dry	233407	25	11/23/2016 19:17	SH
Heptachlor	0.0031		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Heptachlor epoxide	0.015		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Methoxychlor	BRL		0.00050	0.018	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Toxaphene	BRL		0.0045	0.18	mg/Kg-dry	233407	1	11/23/2016 12:50	SH
Surr: Decachlorobiphenyl	91.6		0	45-128	%REC	233407	1	11/23/2016 12:50	SH
Surr: Tetrachloro-m-xylene	70		0	46-120	%REC	233407	1	11/23/2016 12:50	SH
PERCENT MOISTURE D2216									
Percent Moisture	6.41		0	0	wt%	R330650	1	11/23/2016 16:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 28-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-3
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 11:10:00 AM
Lab ID:	1611J64-004	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	0.31		0.0036	0.072	mg/Kg-dry	233407	20	11/23/2016 17:48	SH
4,4´-DDE	0.34		0.0034	0.072	mg/Kg-dry	233407	20	11/23/2016 17:48	SH
4,4´-DDT	0.76		0.0035	0.072	mg/Kg-dry	233407	20	11/23/2016 17:48	SH
Aldrin	BRL		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
alpha-Chlordane	3.2		0.042	0.36	mg/Kg-dry	233407	200	11/23/2016 19:28	SH
beta-BHC	BRL		0.00032	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
Chlordane	25		0.80	7.2	mg/Kg-dry	233407	200	11/23/2016 19:28	SH
delta-BHC	BRL		0.00020	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
Dieldrin	0.46		0.0031	0.072	mg/Kg-dry	233407	20	11/23/2016 17:48	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
Endosulfan II	0.015		0.00023	0.0036	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
Endosulfan sulfate	BRL		0.00019	0.0036	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
Endrin	0.092		0.00014	0.0036	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
Endrin aldehyde	BRL		0.00024	0.0036	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
Endrin ketone	BRL		0.00022	0.0036	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
gamma-BHC	0.0045		0.00021	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
gamma-Chlordane	4.6		0.031	0.36	mg/Kg-dry	233407	200	11/23/2016 19:28	SH
Heptachlor	0.024		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
Heptachlor epoxide	0.100		0.0037	0.036	mg/Kg-dry	233407	20	11/23/2016 17:48	SH
Methoxychlor	BRL		0.00051	0.018	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
Toxaphene	BRL		0.0046	0.18	mg/Kg-dry	233407	1	11/23/2016 13:01	SH
Surr: Decachlorobiphenyl	86.9		0	45-128	%REC	233407	1	11/23/2016 13:01	SH
Surr: Tetrachloro-m-xylene	98.6		0	46-120	%REC	233407	1	11/23/2016 13:01	SH
PERCENT MOISTURE D2216									
Percent Moisture	7.52		0	0	wt%	R330650	1	11/23/2016 16:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 28-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-4
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 11:15:00 AM
Lab ID:	1611J64-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	0.030		0.00017	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
4,4´-DDE	0.065		0.00016	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
4,4´-DDT	0.35	B	0.00086	0.017	mg/Kg-dry	233407	5	11/23/2016 17:59	SH
Aldrin	BRL		0.00017	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
alpha-Chlordane	0.21		0.0010	0.0088	mg/Kg-dry	233407	5	11/23/2016 17:59	SH
beta-BHC	BRL		0.00031	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Chlordane	2.2		0.019	0.17	mg/Kg-dry	233407	5	11/23/2016 17:59	SH
delta-BHC	BRL		0.00019	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Dieldrin	0.042		0.00015	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Endosulfan II	BRL		0.00023	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Endosulfan sulfate	BRL		0.00018	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Endrin	0.0034	J	0.00014	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Endrin aldehyde	BRL		0.00024	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Endrin ketone	BRL		0.00022	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
gamma-BHC	BRL		0.00020	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
gamma-Chlordane	0.25		0.00074	0.0088	mg/Kg-dry	233407	5	11/23/2016 17:59	SH
Heptachlor	0.0082		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Heptachlor epoxide	0.014		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Methoxychlor	BRL		0.00049	0.018	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Toxaphene	BRL		0.0045	0.18	mg/Kg-dry	233407	1	11/23/2016 13:12	SH
Surr: Decachlorobiphenyl	88.4		0	45-128	%REC	233407	1	11/23/2016 13:12	SH
Surr: Tetrachloro-m-xylene	88.4		0	46-120	%REC	233407	1	11/23/2016 13:12	SH
PERCENT MOISTURE D2216									
Percent Moisture	4.82		0	0	wt%	R330650	1	11/23/2016 16:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 28-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-5
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 11:25:00 AM
Lab ID:	1611J64-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	0.015		0.00017	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
4,4´-DDE	0.047		0.00016	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
4,4´-DDT	0.16	B	0.00085	0.017	mg/Kg-dry	233407	5	11/23/2016 18:10	SH
Aldrin	0.0012	J	0.00017	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
alpha-BHC	BRL		0.00022	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
alpha-Chlordane	0.13		0.0010	0.0087	mg/Kg-dry	233407	5	11/23/2016 18:10	SH
beta-BHC	BRL		0.00030	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Chlordane	0.93		0.0038	0.035	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
delta-BHC	BRL		0.00019	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Dieldrin	0.082		0.00015	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Endosulfan I	BRL		0.00017	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Endosulfan II	BRL		0.00022	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Endosulfan sulfate	BRL		0.00018	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Endrin	0.0012	J	0.00014	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Endrin aldehyde	BRL		0.00023	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Endrin ketone	0.0022	J	0.00022	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
gamma-BHC	BRL		0.00020	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
gamma-Chlordane	0.17		0.00073	0.0087	mg/Kg-dry	233407	5	11/23/2016 18:10	SH
Heptachlor	0.0031		0.00017	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Heptachlor epoxide	0.019		0.00018	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Methoxychlor	BRL		0.00049	0.017	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Toxaphene	BRL		0.0044	0.17	mg/Kg-dry	233407	1	11/23/2016 13:23	SH
Surr: Decachlorobiphenyl	78.1		0	45-128	%REC	233407	1	11/23/2016 13:23	SH
Surr: Tetrachloro-m-xylene	90.9		0	46-120	%REC	233407	1	11/23/2016 13:23	SH
PERCENT MOISTURE D2216									
Percent Moisture	3.77		0	0	wt%	R330650	1	11/23/2016 16:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 28-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-6
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 11:27:00 AM
Lab ID:	1611J64-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	0.52		0.018	0.36	mg/Kg-dry	233407	100	11/23/2016 18:21	SH
4,4´-DDE	1.2		0.017	0.36	mg/Kg-dry	233407	100	11/23/2016 18:21	SH
4,4´-DDT	2.5		0.018	0.36	mg/Kg-dry	233407	100	11/23/2016 18:21	SH
Aldrin	6.7		0.36	3.6	mg/Kg-dry	233407	2000	11/23/2016 19:39	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:35	SH
alpha-Chlordane	35		0.42	3.6	mg/Kg-dry	233407	2000	11/23/2016 19:39	SH
beta-BHC	BRL		0.00032	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:35	SH
Chlordane	350		8.0	72	mg/Kg-dry	233407	2000	11/23/2016 19:39	SH
delta-BHC	BRL		0.00020	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:35	SH
Dieldrin	66		0.31	7.2	mg/Kg-dry	233407	2000	11/23/2016 19:39	SH
Endosulfan I	BRL		0.018	0.18	mg/Kg-dry	233407	100	11/23/2016 18:21	SH
Endosulfan II	0.35	J	0.023	0.36	mg/Kg-dry	233407	100	11/23/2016 18:21	SH
Endosulfan sulfate	BRL		0.00019	0.0036	mg/Kg-dry	233407	1	11/23/2016 13:35	SH
Endrin	1.3		0.014	0.36	mg/Kg-dry	233407	100	11/23/2016 18:21	SH
Endrin aldehyde	BRL		0.00024	0.0036	mg/Kg-dry	233407	1	11/23/2016 13:35	SH
Endrin ketone	0.29	J	0.022	0.36	mg/Kg-dry	233407	100	11/23/2016 18:21	SH
gamma-BHC	0.023		0.00021	0.0018	mg/Kg-dry	233407	1	11/23/2016 13:35	SH
gamma-Chlordane	55		0.30	3.6	mg/Kg-dry	233407	2000	11/23/2016 19:39	SH
Heptachlor	9.3		0.36	3.6	mg/Kg-dry	233407	2000	11/23/2016 19:39	SH
Heptachlor epoxide	0.99		0.018	0.18	mg/Kg-dry	233407	100	11/23/2016 18:21	SH
Methoxychlor	BRL		0.00050	0.018	mg/Kg-dry	233407	1	11/23/2016 13:35	SH
Toxaphene	BRL		0.0046	0.18	mg/Kg-dry	233407	1	11/23/2016 13:35	SH
Surr: Decachlorobiphenyl	113		0	45-128	%REC	233407	1	11/23/2016 13:35	SH
Surr: Tetrachloro-m-xylene	82.9		0	46-120	%REC	233407	1	11/23/2016 13:35	SH
PERCENT MOISTURE D2216									
Percent Moisture	7.02		0	0	wt%	R330650	1	11/23/2016 16:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 28-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-7
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 11:20:00 AM
Lab ID:	1611J64-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	0.91		0.0035	0.071	mg/Kg-dry	233407	20	11/23/2016 18:32	SH
4,4´-DDE	0.39		0.0034	0.071	mg/Kg-dry	233407	20	11/23/2016 18:32	SH
4,4´-DDT	46		0.14	2.9	mg/Kg-dry	233407	800	11/23/2016 22:03	SH
Aldrin	BRL		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
alpha-Chlordane	1.4		0.084	0.72	mg/Kg-dry	233407	400	11/23/2016 19:51	SH
beta-BHC	BRL		0.00031	0.0018	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
Chlordane	11		0.079	0.71	mg/Kg-dry	233407	20	11/23/2016 18:32	SH
delta-BHC	BRL		0.00019	0.0018	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
Dieldrin	0.17		0.0030	0.071	mg/Kg-dry	233407	20	11/23/2016 18:32	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
Endosulfan II	BRL		0.00023	0.0036	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
Endosulfan sulfate	BRL		0.00019	0.0036	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
Endrin	BRL		0.00014	0.0036	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
Endrin aldehyde	BRL		0.00024	0.0036	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
Endrin ketone	BRL		0.00022	0.0036	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
gamma-BHC	0.00056	J	0.00021	0.0018	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
gamma-Chlordane	2.4		0.061	0.72	mg/Kg-dry	233407	400	11/23/2016 19:51	SH
Heptachlor	0.080		0.0036	0.036	mg/Kg-dry	233407	20	11/23/2016 18:32	SH
Heptachlor epoxide	0.18		0.0037	0.036	mg/Kg-dry	233407	20	11/23/2016 18:32	SH
Methoxychlor	BRL		0.00050	0.018	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
Toxaphene	BRL		0.0046	0.18	mg/Kg-dry	233407	1	11/23/2016 15:01	SH
Surr: Decachlorobiphenyl	89.7		0	45-128	%REC	233407	1	11/23/2016 15:01	SH
Surr: Tetrachloro-m-xylene	84.6		0	46-120	%REC	233407	1	11/23/2016 15:01	SH
PERCENT MOISTURE D2216									
Percent Moisture	6.73		0	0	wt%	R330650	1	11/23/2016 16:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 28-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-8
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 11:22:00 AM
Lab ID:	1611J64-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	3.6		0.069	1.4	mg/Kg-dry	233407	400	11/23/2016 20:02	SH
4,4´-DDE	0.55		0.0033	0.069	mg/Kg-dry	233407	20	11/23/2016 18:43	SH
4,4´-DDT	4.1		0.068	1.4	mg/Kg-dry	233407	400	11/23/2016 20:02	SH
Aldrin	0.17		0.0035	0.035	mg/Kg-dry	233407	20	11/23/2016 18:43	SH
alpha-BHC	BRL		0.00022	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
alpha-Chlordane	5.0		0.081	0.70	mg/Kg-dry	233407	400	11/23/2016 20:02	SH
beta-BHC	BRL		0.00031	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
Chlordane	44		1.5	14	mg/Kg-dry	233407	400	11/23/2016 20:02	SH
delta-BHC	BRL		0.00019	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
Dieldrin	1.00		0.0030	0.069	mg/Kg-dry	233407	20	11/23/2016 18:43	SH
Endosulfan I	BRL		0.00017	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
Endosulfan II	BRL		0.00022	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
Endosulfan sulfate	BRL		0.00018	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
Endrin	0.074		0.00014	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
Endrin aldehyde	BRL		0.00023	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
Endrin ketone	0.033		0.00022	0.0035	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
gamma-BHC	0.0065		0.00020	0.0017	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
gamma-Chlordane	6.9		0.059	0.70	mg/Kg-dry	233407	400	11/23/2016 20:02	SH
Heptachlor	0.20		0.0035	0.035	mg/Kg-dry	233407	20	11/23/2016 18:43	SH
Heptachlor epoxide	0.16		0.0036	0.035	mg/Kg-dry	233407	20	11/23/2016 18:43	SH
Methoxychlor	BRL		0.00049	0.017	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
Toxaphene	BRL		0.0044	0.17	mg/Kg-dry	233407	1	11/23/2016 13:57	SH
Surr: Decachlorobiphenyl	84.7		0	45-128	%REC	233407	1	11/23/2016 13:57	SH
Surr: Tetrachloro-m-xylene	89.6		0	46-120	%REC	233407	1	11/23/2016 13:57	SH
PERCENT MOISTURE D2216									
Percent Moisture	4.09		0	0	wt%	R330650	1	11/23/2016 16:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 28-Nov-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-10
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 11:18:00 AM
Lab ID:	1611J64-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	0.019		0.00019	0.0038	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
4,4´-DDE	0.0071		0.00018	0.0038	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
4,4´-DDT	0.048		0.00018	0.0038	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Aldrin	0.0013	J	0.00019	0.0019	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
alpha-BHC	BRL		0.00023	0.0019	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
alpha-Chlordane	0.063		0.0011	0.0095	mg/Kg-dry	233647	5	11/25/2016 14:51	SH
beta-BHC	BRL		0.00033	0.0019	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Chlordane	0.52		0.0042	0.038	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
delta-BHC	BRL		0.00021	0.0019	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Dieldrin	0.013		0.00016	0.0038	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Endosulfan I	BRL		0.00019	0.0019	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Endosulfan II	BRL		0.00024	0.0038	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Endosulfan sulfate	BRL		0.00020	0.0038	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Endrin	0.0014	J	0.00015	0.0038	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Endrin aldehyde	BRL		0.00025	0.0038	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Endrin ketone	BRL		0.00023	0.0038	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
gamma-BHC	BRL		0.00022	0.0019	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
gamma-Chlordane	0.097		0.00080	0.0095	mg/Kg-dry	233647	5	11/25/2016 14:51	SH
Heptachlor	0.0024		0.00019	0.0019	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Heptachlor epoxide	0.0022		0.00019	0.0019	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Methoxychlor	BRL		0.00053	0.019	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Toxaphene	BRL		0.0048	0.19	mg/Kg-dry	233647	1	11/25/2016 14:41	SH
Surr: Decachlorobiphenyl	82.1		0	45-128	%REC	233647	1	11/25/2016 14:41	SH
Surr: Tetrachloro-m-xylene	77.5		0	46-120	%REC	233647	1	11/25/2016 14:41	SH
PERCENT MOISTURE D2216									
Percent Moisture	11.8		0	0	wt%	R330650	1	11/23/2016 16:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EarthCon Work Order Number 1611064

Checklist completed by _____ 11/21/16
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes ✓ No __ Not Present __

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 0.3 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611J64

ANALYTICAL QC SUMMARY REPORT

BatchID: 233399

Sample ID: **MB-233399** Client ID: Units: **mg/L** Prep Date: **11/22/2016** Run No: **330748**
SampleType: **MBLK** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **233399** Analysis Date: **11/23/2016** Seq No: **7193307**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	BRL	0.0050									
Endrin	BRL	0.0010									
gamma-BHC	BRL	0.00050									
Heptachlor	BRL	0.00050									
Heptachlor epoxide	BRL	0.00050									
Methoxychlor	BRL	0.0050									
Toxaphene	BRL	0.050									
Surr: Decachlorobiphenyl	0.004286	0	0.0050		85.7	32.1	131				
Surr: Tetrachloro-m-xylene	0.004338	0	0.0050		86.8	37	117				

Sample ID: **LCS-233399-1** Client ID: Units: **mg/L** Prep Date: **11/22/2016** Run No: **330748**
SampleType: **LCS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **233399** Analysis Date: **11/23/2016** Seq No: **7193308**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Endrin	0.008499	0.0010	0.0080		106	56.3	143				
gamma-BHC	0.007799	0.00050	0.0080		97.5	46.9	132				
Heptachlor	0.007797	0.00050	0.0080		97.5	48.7	137				
Heptachlor epoxide	0.008029	0.00050	0.0080		100	57.5	143				
Methoxychlor	0.02782	0.0050	0.0300		92.7	51.8	116				
Surr: Decachlorobiphenyl	0.004432	0	0.0050		88.6	32.1	131				
Surr: Tetrachloro-m-xylene	0.004545	0	0.0050		90.9	37	117				

Sample ID: **LCS-233399-2** Client ID: Units: **mg/L** Prep Date: **11/22/2016** Run No: **330748**
SampleType: **LCS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **233399** Analysis Date: **11/23/2016** Seq No: **7193309**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	0.04619	0.0050	0.0400		115	64.4	129				
Toxaphene	0.08446	0.050	0.0800		106	57.6	129				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611J64

ANALYTICAL QC SUMMARY REPORT

BatchID: 233399

Sample ID: **LCS-233399-2**	Client ID:			Units: **mg/L**	Prep Date: **11/22/2016**	Run No: **330748**
SampleType: **LCS**	TestCode: **PESTICIDES, TCLP SW1311/8081B**			BatchID: **233399**	Analysis Date: **11/23/2016**	Seq No: **7193309**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Decachlorobiphenyl	0.004512	0	0.0050		90.2	32.1	131				
Surr: Tetrachloro-m-xylene	0.004402	0	0.0050		88.0	37	117				

Sample ID: **1611G15-009BMS-1**	Client ID:			Units: **mg/L**	Prep Date: **11/22/2016**	Run No: **330748**
SampleType: **MS**	TestCode: **PESTICIDES, TCLP SW1311/8081B**			BatchID: **233399**	Analysis Date: **11/23/2016**	Seq No: **7193315**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Endrin	0.008593	0.0010	0.0080		107	51.1	145				
gamma-BHC	0.007853	0.00050	0.0080		98.2	42.1	138				
Heptachlor	0.007975	0.00050	0.0080		99.7	44.5	137				
Heptachlor epoxide	0.008222	0.00050	0.0080		103	55.6	139				
Methoxychlor	0.02860	0.0050	0.0300		95.3	43.1	127				
Surr: Decachlorobiphenyl	0.003900	0	0.0050		78.0	32.1	131				
Surr: Tetrachloro-m-xylene	0.004456	0	0.0050		89.1	37	117				

Sample ID: **1611G15-009BMS-2**	Client ID:			Units: **mg/L**	Prep Date: **11/22/2016**	Run No: **330748**
SampleType: **MS**	TestCode: **PESTICIDES, TCLP SW1311/8081B**			BatchID: **233399**	Analysis Date: **11/23/2016**	Seq No: **7193316**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	0.04910	0.0050	0.0400		123	57.1	138				
Toxaphene	0.08622	0.050	0.0800		108	54.3	134				
Surr: Decachlorobiphenyl	0.003844	0	0.0050		76.9	32.1	131				
Surr: Tetrachloro-m-xylene	0.004135	0	0.0050		82.7	37	117				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611J64

ANALYTICAL QC SUMMARY REPORT

BatchID: 233407

Sample ID: **MB-233407** Client ID:
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES SW8081B**
Units: **ug/Kg** Prep Date: **11/21/2016** Run No: **330692**
BatchID: **233407** Analysis Date: **11/23/2016** Seq No: **7192070**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDD	BRL	3.3									
4,4´-DDE	BRL	3.3									
4,4´-DDT	21.38	3.3									B
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	0.7303	1.7									J
beta-BHC	BRL	1.7									
Chlordane	BRL	33									
delta-BHC	BRL	1.7									
Dieldrin	0.8140	3.3									J
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	1.643	1.7									J
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Methoxychlor	BRL	17									
Toxaphene	BRL	170									
Surr: Decachlorobiphenyl	15.58	0	16.67		93.4	45	128				
Surr: Tetrachloro-m-xylene	14.76	0	16.67		88.5	46	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611J64

ANALYTICAL QC SUMMARY REPORT

BatchID: 233407

Sample ID: **LCS-233407** Client ID: Units: **ug/Kg** Prep Date: **11/21/2016** Run No: **330692**
SampleType: **LCS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233407** Analysis Date: **11/23/2016** Seq No: **7192071**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	35.31	3.3	33.33		106	70.3	129				B
Aldrin	28.59	1.7	33.33		85.8	57.8	120				
Dieldrin	28.96	3.3	33.33	0.8140	84.4	66.3	118				
Endrin	31.04	3.3	33.33		93.1	66.9	130				
gamma-BHC	28.42	1.7	33.33		85.3	58.7	119				
Heptachlor	28.64	1.7	33.33		85.9	60.3	120				
Surr: Decachlorobiphenyl	15.58	0	16.67		93.5	45	128				
Surr: Tetrachloro-m-xylene	14.57	0	16.67		87.4	46	120				

Sample ID: **1611J64-002AMS** Client ID: **EXC-1** Units: **mg/Kg-dry** Prep Date: **11/21/2016** Run No: **330692**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233407** Analysis Date: **11/23/2016** Seq No: **7192080**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aldrin	0.03653	0.0018	0.0352		104	56.8	120				
Dieldrin	0.1118	0.0035	0.0352	0.09211	55.9	54.9	122				
Endrin	0.06455	0.0035	0.0352	0.04274	62.0	61.7	127				
gamma-BHC	0.03014	0.0018	0.0352	0.001696	80.9	59.4	120				
Surr: Decachlorobiphenyl	0.01496	0	0.0176		85.0	45	128				
Surr: Tetrachloro-m-xylene	0.01409	0	0.0176		80.1	46	120				

Sample ID: **1611J64-002AMS** Client ID: **EXC-1** Units: **mg/Kg-dry** Prep Date: **11/21/2016** Run No: **330692**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233407** Analysis Date: **11/23/2016** Seq No: **7192504**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Heptachlor	0.1606	0.018	0.0352	0.1199	116	53.7	124				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611J64

ANALYTICAL QC SUMMARY REPORT

BatchID: 233407

Sample ID: **1611J64-002AMS** Client ID: **EXC-1** Units: **mg/Kg-dry** Prep Date: **11/21/2016** Run No: **330692**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233407** Analysis Date: **11/23/2016** Seq No: **7192506**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	1.367	0.35	0.0352	1.035	943	47.4	135				S

Sample ID: **1611J64-002AMSD** Client ID: **EXC-1** Units: **mg/Kg-dry** Prep Date: **11/21/2016** Run No: **330692**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233407** Analysis Date: **11/23/2016** Seq No: **7192081**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aldrin	0.03709	0.0018	0.0352		105	56.8	120	0.03653	1.50	27.6	
gamma-BHC	0.02849	0.0018	0.0352	0.001696	76.2	59.4	120	0.03014	5.63	25.2	
Surr: Decachlorobiphenyl	0.01496	0	0.0176		85.1	45	128	0.01496	0	30	
Surr: Tetrachloro-m-xylene	0.01346	0	0.0176		76.5	46	120	0.01409	0	30	

Sample ID: **1611J64-002AMSD** Client ID: **EXC-1** Units: **mg/Kg-dry** Prep Date: **11/21/2016** Run No: **330692**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233407** Analysis Date: **11/23/2016** Seq No: **7192505**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	0.1251	0.035	0.0352	0.08451	115	54.9	122	0.1372	9.21	23.7	
Endrin	0.07970	0.035	0.0352	0.04462	99.7	61.7	127	0.09739	20.0	25.8	
Heptachlor	0.1354	0.018	0.0352	0.1199	44.3	53.7	124	0.1606	17.0	25	S

Sample ID: **1611J64-002AMSD** Client ID: **EXC-1** Units: **mg/Kg-dry** Prep Date: **11/21/2016** Run No: **330692**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233407** Analysis Date: **11/23/2016** Seq No: **7192507**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	2.035	0.35	0.0352	1.035	2840	47.4	135	1.367	39.3	26.8	SR

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611J64

ANALYTICAL QC SUMMARY REPORT

BatchID: 233647

Sample ID: **MB-233647** Client ID: Units: **ug/Kg** Prep Date: **11/25/2016** Run No: **330737**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233647** Analysis Date: **11/25/2016** Seq No: **7193048**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDD	BRL	3.3									
4,4´-DDE	BRL	3.3									
4,4´-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
Chlordane	BRL	33									
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Methoxychlor	BRL	17									
Toxaphene	BRL	170									
Surr: Decachlorobiphenyl	13.83	0	16.67		83.0	45	128				
Surr: Tetrachloro-m-xylene	12.33	0	16.67		74.0	46	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611J64

ANALYTICAL QC SUMMARY REPORT

BatchID: 233647

Sample ID: **LCS-233647** Client ID: Units: **ug/Kg** Prep Date: **11/25/2016** Run No: **330737**
SampleType: **LCS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233647** Analysis Date: **11/25/2016** Seq No: **7193049**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	29.94	3.3	33.33		89.8	70.3	129				
Aldrin	27.37	1.7	33.33		82.1	57.8	120				
Dieldrin	27.28	3.3	33.33		81.9	66.3	118				
Endrin	29.88	3.3	33.33		89.6	66.9	130				
gamma-BHC	27.53	1.7	33.33		82.6	58.7	119				
Heptachlor	27.40	1.7	33.33		82.2	60.3	120				
Surr: Decachlorobiphenyl	14.48	0	16.67		86.9	45	128				
Surr: Tetrachloro-m-xylene	14.51	0	16.67		87.1	46	120				

Sample ID: **1611J64-010AMS** Client ID: **EXC-10** Units: **mg/Kg-dry** Prep Date: **11/25/2016** Run No: **330737**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233647** Analysis Date: **11/25/2016** Seq No: **7200780**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	0.1148	0.019	0.0378	0.04717	179	47.4	135				S
Aldrin	0.03704	0.0095	0.0378	0.001489	94.1	56.8	120				
Dieldrin	0.05149	0.019	0.0378	0.01176	105	54.9	122				
Endrin	0.03978	0.019	0.0378	0.0009882	103	61.7	127				
gamma-BHC	0.03227	0.0095	0.0378		85.4	59.4	120				
Heptachlor	0.03944	0.0095	0.0378	0.002821	96.9	53.7	124				
Surr: Decachlorobiphenyl	0.01824	0	0.0189		96.5	45	128				
Surr: Tetrachloro-m-xylene	0.01705	0	0.0189		90.2	46	120				

Sample ID: **1611J64-010AMSD** Client ID: **EXC-10** Units: **mg/Kg-dry** Prep Date: **11/25/2016** Run No: **330737**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233647** Analysis Date: **11/25/2016** Seq No: **7200782**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	0.08577	0.019	0.0378	0.04717	102	47.4	135	0.1148	29.0	26.8	R
Aldrin	0.03326	0.0095	0.0378	0.001489	84.1	56.8	120	0.03704	10.8	27.6	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611J64

ANALYTICAL QC SUMMARY REPORT

BatchID: 233647

Sample ID: **1611J64-010AMSD** Client ID: **EXC-10** Units: **mg/Kg-dry** Prep Date: **11/25/2016** Run No: **330737**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233647** Analysis Date: **11/25/2016** Seq No: **7200782**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	0.04356	0.019	0.0378	0.01176	84.2	54.9	122	0.05149	16.7	23.7	
Endrin	0.03997	0.019	0.0378	0.0009882	103	61.7	127	0.03978	0.488	25.8	
gamma-BHC	0.03125	0.0095	0.0378		82.7	59.4	120	0.03227	3.21	25.2	
Heptachlor	0.03664	0.0095	0.0378	0.002821	89.5	53.7	124	0.03944	7.37	25	
Surr: Decachlorobiphenyl	0.01725	0	0.0189		91.3	45	128	0.01824	0	30	
Surr: Tetrachloro-m-xylene	0.01726	0	0.0189		91.3	46	120	0.01705	0	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

December 02, 2016

Samantha Woolf
EarthCon Consultants, Inc.
1880 West Oak Parkway
Marietta GA 30062

TEL: (770) 973-2100
FAX: (770) 973-7395

RE: DPW Brookhaven

Dear Samantha Woolf: Order No: 1611O78

Analytical Environmental Services, Inc. received 1 samples on 11/29/2016 12:00:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

Chris Pafford
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Attn: Chris Pafford

Work Order: ~~1611J64~~ 1611078 CP 12/2/16

Date: 11/21/2016 Page 1 of 1

COMPANY: EarthCon Consultants, Inc.

ADDRESS: 1880 West Oak Pkwy Suite 106, Building 100 Marietta, GA 30062

PHONE: 770-973-2100

FAX: 770-973-7393

SAMPLED BY: Samantha Woolf/Keaton Henry

SIGNATURE: [signature]

ANALYSIS REQUESTED: TCLP, Pesticides; Chlorinated Pesticides

PRESERVATION (See codes)

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	TCLP, Pesticides	Chlorinated Pesticides	REMARKS	No # of Containers
1	SP-1	11/21/16	1045		X	SO	1			1
2	EXC-1		1130	X		SO		1		1
3	EXC-2		1135	X		SO		1		1
4	EXC-3		1110	X		SO		1		1
5	EXC-4		1115	X		SO		1		1
6	EXC-5		1125	X		SO		1		1
7	EXC-6		1127	X		SO		1		1
8	EXC-7		1120	X		SO		1		1
9	EXC-8		1122	X		SO		1		1
10	EXC-10		1118	X		SO		1		1
11										
12										
13										
14										

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [signature]	11/21/16 1240	1: Jessica Milling	11/21/16 12:41 pm
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: DPW Brookhaven
PROJECT #: 02.20140272.00
SITE ADDRESS: 2600 Apple Valley Rd Brookhaven Atlanta, GA 30309
SEND REPORT TO: Russ Schlect and Samantha Woolf
INVOICE TO: (IF DIFFERENT FROM ABOVE) Samantha Woolf
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers: 10

Turnaround Time Request
- ○ Standard 5 Business Days
- ● 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 2-Dec-16

Client: EarthCon Consultants, Inc.
Project: DPW Brookhaven
Lab ID: 1611O78

Case Narrative

Pesticide Analysis by Method 8081:

Due to sample matrix, sample 1611O78-001A required dilution during analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 2-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SP-1
Project Name:	DPW Brookhaven	**Collection Date:**	11/21/2016 10:45:00 AM
Lab ID:	1611O78-001	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B					**(SW3550C)**				
4,4´-DDD	4.8		0.017	0.35	mg/Kg-dry	233803	100	11/30/2016 19:03	SH
4,4´-DDE	1.1		0.017	0.35	mg/Kg-dry	233803	100	11/30/2016 19:03	SH
4,4´-DDT	21		0.086	1.8	mg/Kg-dry	233803	500	11/30/2016 19:39	SH
Aldrin	0.33		0.018	0.18	mg/Kg-dry	233803	100	11/30/2016 19:03	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
alpha-Chlordane	9.3		0.10	0.88	mg/Kg-dry	233803	500	11/30/2016 19:39	SH
beta-BHC	BRL		0.00031	0.0018	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
delta-BHC	BRL		0.00019	0.0018	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
Dieldrin	1.5		0.015	0.35	mg/Kg-dry	233803	100	11/30/2016 19:03	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
Endosulfan II	BRL		0.00023	0.0035	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
Endosulfan sulfate	BRL		0.00018	0.0035	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
Endrin	0.16	J	0.014	0.35	mg/Kg-dry	233803	100	11/30/2016 19:03	SH
Endrin aldehyde	BRL		0.00024	0.0035	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
Endrin ketone	BRL		0.00022	0.0035	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
gamma-BHC	BRL		0.00020	0.0018	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
gamma-Chlordane	14		0.075	0.88	mg/Kg-dry	233803	500	11/30/2016 19:39	SH
Heptachlor	0.41		0.018	0.18	mg/Kg-dry	233803	100	11/30/2016 19:03	SH
Heptachlor epoxide	0.22		0.018	0.18	mg/Kg-dry	233803	100	11/30/2016 19:03	SH
Methoxychlor	BRL		0.00050	0.018	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
Toxaphene	BRL		0.0045	0.18	mg/Kg-dry	233803	1	11/30/2016 17:55	SH
Surr: Decachlorobiphenyl	69.6		0	45-128	%REC	233803	1	11/30/2016 17:55	SH
Surr: Tetrachloro-m-xylene	72.7		0	46-120	%REC	233803	1	11/30/2016 17:55	SH
PERCENT MOISTURE D2216									
Percent Moisture	5.56		0	0	wt%	R331112	1	12/01/2016 09:00	BD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EarthCon Work Order Number 1611078 CP 12/2/16

Checklist completed by _____ 11/21/16
Signature Date

Carrier name: FedEx__ UPS__ Courier__ Client ✓ US Mail__ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes ✓ No __ Not Present __

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 0.3 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611O78

ANALYTICAL QC SUMMARY REPORT

BatchID: 233803

Sample ID: **MB-233803** Client ID: Units: **ug/Kg** Prep Date: **11/29/2016** Run No: **331057**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **233803** Analysis Date: **11/29/2016** Seq No: **7202471**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDD	BRL	3.3									
4,4´-DDE	BRL	3.3									
4,4´-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Methoxychlor	BRL	17									
Toxaphene	BRL	170									
Surr: Decachlorobiphenyl	14.25	0	16.67		85.5	45	128				
Surr: Tetrachloro-m-xylene	14.74	0	16.67		88.4	46	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611O78

ANALYTICAL QC SUMMARY REPORT

BatchID: 233803

Sample ID: **LCS-233803** Client ID: Units: **ug/Kg** Prep Date: **11/29/2016** Run No: **331057**
SampleType: **LCS** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **233803** Analysis Date: **11/29/2016** Seq No: **7202472**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	31.16	3.3	33.33		93.5	70.3	129				
Aldrin	28.90	1.7	33.33		86.7	57.8	120				
Dieldrin	28.25	3.3	33.33		84.8	66.3	118				
Endrin	31.43	3.3	33.33		94.3	66.9	130				
gamma-BHC	28.84	1.7	33.33		86.5	58.7	119				
Heptachlor	28.71	1.7	33.33		86.1	60.3	120				
Surr: Decachlorobiphenyl	14.35	0	16.67		86.1	45	128				
Surr: Tetrachloro-m-xylene	13.89	0	16.67		83.3	46	120				

Sample ID: **1611N49-003AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **11/29/2016** Run No: **331057**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **233803** Analysis Date: **11/29/2016** Seq No: **7202474**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aldrin	35.57	1.9	37.01	0.7181	94.2	56.8	120				
Dieldrin	51.28	3.7	37.01	15.87	95.7	54.9	122				
Endrin	41.63	3.7	37.01	0.4260	111	61.7	127				
gamma-BHC	35.41	1.9	37.01		95.7	59.4	120				
Heptachlor	42.42	1.9	37.01	5.794	99.0	53.7	124				
Surr: Decachlorobiphenyl	16.12	0	18.51		87.1	45	128				
Surr: Tetrachloro-m-xylene	15.10	0	18.51		81.6	46	120				

Sample ID: **1611N49-003AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **11/29/2016** Run No: **331092**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **233803** Analysis Date: **11/30/2016** Seq No: **7203729**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	135.3	18	37.01	67.36	184	47.4	135				S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611O78

ANALYTICAL QC SUMMARY REPORT

BatchID: 233803

Sample ID: **1611N49-003AMSD** Client ID:
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES, TCL** **SW8081B**
Units: **ug/Kg-dry** Prep Date: **11/29/2016** Run No: **331057**
BatchID: **233803** Analysis Date: **11/29/2016** Seq No: **7202475**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aldrin	38.92	1.9	37.01	0.7181	103	56.8	120	35.57	9.00	27.6	
Dieldrin	52.69	3.7	37.01	15.87	99.5	54.9	122	51.28	2.72	23.7	
Endrin	43.06	3.7	37.01	0.4260	115	61.7	127	41.63	3.37	25.8	
gamma-BHC	37.29	1.9	37.01		101	59.4	120	35.41	5.18	25.2	
Heptachlor	44.34	1.9	37.01	5.794	104	53.7	124	42.42	4.42	25	
Surr: Decachlorobiphenyl	16.30	0	18.51		88.1	45	128	16.12	0	0	
Surr: Tetrachloro-m-xylene	15.66	0	18.51		84.6	46	120	15.10	0	0	

Sample ID: **1611N49-003AMSD** Client ID:
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES, TCL** **SW8081B**
Units: **ug/Kg-dry** Prep Date: **11/29/2016** Run No: **331092**
BatchID: **233803** Analysis Date: **11/30/2016** Seq No: **7203730**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	127.2	18	37.01	67.36	162	47.4	135	135.3	6.17	26.8	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX C

LABORATORY ANALYTICAL RESULTS
NOVEMBER 28, 2016
ADDITIONAL EXCAVATION LIMITS
WOODED AREA AT SOUTHERN PROPERTY LINE

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

December 06, 2016

Samantha Woolf
EarthCon Consultants, Inc.
1880 West Oak Parkway
Marietta GA 30062

TEL: (770) 973-2100
FAX: (770) 973-7395

RE: DPW Brookhaven

Dear Samantha Woolf: Order No: 1611N49

Analytical Environmental Services, Inc. received 4 samples on 11/28/2016 6:05:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

Chris Pafford
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Attn: Chris Pafford

Work Order: 1611N49

Date: 11/28/16 Page 1 of 1

COMPANY: EarthCon Consultants, Inc.	ADDRESS: 1880 West Oak Pkwy suite 106 Bldg 100 Marietta, GA 30062
PHONE: 770-973-2100	FAX: 770-973-7393
SAMPLED BY: Robert Andrews	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	Chlorinated Pesticides	PRESERVATION (See codes)	No # of Containers	REMARKS
1	EXC-11	11/28/16	1645	X		SO	1		1	
2	EXC-12	"	1650	"		"	1		1	
3	EXC-13	"	1655	"		"	1		1	
4	EXC-14	"	1700	"		"	1		1	
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1:	11/28/16 1805	1:	11/28/16 6:05PM
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD:
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION

PROJECT NAME: DPW Brookhaven
PROJECT #: 02.20140272.00
SITE ADDRESS: 2600 Apple Valley Rd Brookhaven, Atlanta, GA 30319
SEND REPORT TO: Russ Schlet & Samantha Woolf
INVOICE TO: (IF DIFFERENT FROM ABOVE) Samantha Woolf
QUOTE #: PO#:

RECEIPT
Total # of Containers: 4

Turnaround Time Request
- ☐ Standard 5 Business Days
- ☒ 2 Business Day Rush
- ☐ Next Business Day Rush
- ☐ Same Day Rush (auth req.)
- ☐ Other

STATE PROGRAM (if any):
E-mail? Fax?
DATA PACKAGE: I ○ II ○ III ○ IV ○

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 6-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-11
Project Name:	DPW Brookhaven	**Collection Date:**	11/28/2016 4:45:00 PM
Lab ID:	1611N49-001	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	0.014		0.00017	0.0035	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
4,4´-DDE	0.19		0.0016	0.035	mg/Kg-dry	233803	10	11/30/2016 16:39	SH
4,4´-DDT	0.21		0.0017	0.035	mg/Kg-dry	233803	10	11/30/2016 16:39	SH
Aldrin	BRL		0.00017	0.0018	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
alpha-BHC	BRL		0.00022	0.0018	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
alpha-Chlordane	0.56		0.010	0.088	mg/Kg-dry	233803	50	11/30/2016 17:44	SH
beta-BHC	0.00065	J	0.00031	0.0018	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Chlordane	3.6		0.039	0.35	mg/Kg-dry	233803	10	11/30/2016 16:39	SH
delta-BHC	BRL		0.00019	0.0018	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Dieldrin	0.016		0.00015	0.0035	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Endosulfan I	BRL		0.00018	0.0018	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Endosulfan II	BRL		0.00023	0.0035	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Endosulfan sulfate	BRL		0.00018	0.0035	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Endrin	0.011		0.00014	0.0035	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Endrin aldehyde	BRL		0.00024	0.0035	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Endrin ketone	BRL		0.00022	0.0035	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
gamma-BHC	BRL		0.00020	0.0018	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
gamma-Chlordane	0.78		0.0075	0.088	mg/Kg-dry	233803	50	11/30/2016 17:44	SH
Heptachlor	0.0036		0.00018	0.0018	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Heptachlor epoxide	0.028		0.00018	0.0018	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Methoxychlor	BRL		0.00049	0.018	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Toxaphene	BRL		0.0045	0.18	mg/Kg-dry	233803	1	11/29/2016 19:35	SH
Surr: Decachlorobiphenyl	80.8		0	45-128	%REC	233803	1	11/29/2016 19:35	SH
Surr: Tetrachloro-m-xylene	74.2		0	46-120	%REC	233803	1	11/29/2016 19:35	SH
PERCENT MOISTURE D2216									
Percent Moisture	5.13		0	0	wt%	R331112	1	12/01/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 6-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-12
Project Name:	DPW Brookhaven	**Collection Date:**	11/28/2016 4:50:00 PM
Lab ID:	1611N49-002	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	BRL		0.00019	0.0039	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
4,4´-DDE	BRL		0.00018	0.0039	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
4,4´-DDT	0.0013	J	0.00019	0.0039	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Aldrin	BRL		0.00019	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
alpha-BHC	BRL		0.00024	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
alpha-Chlordane	0.0015	J	0.00023	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
beta-BHC	BRL		0.00034	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Chlordane	0.014	J	0.0043	0.039	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
delta-BHC	BRL		0.00021	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Dieldrin	0.00078	J	0.00017	0.0039	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Endosulfan I	BRL		0.00020	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Endosulfan II	BRL		0.00025	0.0039	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Endosulfan sulfate	BRL		0.00020	0.0039	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Endrin	BRL		0.00015	0.0039	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Endrin aldehyde	BRL		0.00026	0.0039	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Endrin ketone	BRL		0.00024	0.0039	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
gamma-BHC	BRL		0.00022	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
gamma-Chlordane	0.0024		0.00017	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Heptachlor	BRL		0.00020	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Heptachlor epoxide	0.00024	J	0.00020	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Methoxychlor	BRL		0.00055	0.019	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Toxaphene	BRL		0.0050	0.19	mg/Kg-dry	233803	1	11/29/2016 19:46	SH
Surr: Decachlorobiphenyl	83.2		0	45-128	%REC	233803	1	11/29/2016 19:46	SH
Surr: Tetrachloro-m-xylene	82.8		0	46-120	%REC	233803	1	11/29/2016 19:46	SH
PERCENT MOISTURE D2216									
Percent Moisture	14.3		0	0	wt%	R331112	1	12/01/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 6-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-13
Project Name:	DPW Brookhaven	**Collection Date:**	11/28/2016 4:55:00 PM
Lab ID:	1611N49-003	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	0.0017	J	0.00018	0.0037	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
4,4´-DDE	0.0037	J	0.00017	0.0037	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
4,4´-DDT	0.067		0.00018	0.0037	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Aldrin	0.00072	J	0.00018	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
alpha-BHC	BRL		0.00023	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
alpha-Chlordane	0.030		0.00022	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
beta-BHC	BRL		0.00033	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Chlordane	0.22		0.0041	0.037	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
delta-BHC	BRL		0.00020	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Dieldrin	0.016		0.00016	0.0037	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Endosulfan I	BRL		0.00019	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Endosulfan II	BRL		0.00024	0.0037	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Endosulfan sulfate	BRL		0.00019	0.0037	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Endrin	0.00043	J	0.00015	0.0037	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Endrin aldehyde	BRL		0.00025	0.0037	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Endrin ketone	BRL		0.00023	0.0037	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
gamma-BHC	BRL		0.00021	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
gamma-Chlordane	0.056		0.00016	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Heptachlor	0.0058		0.00019	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Heptachlor epoxide	0.0026		0.00019	0.0019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Methoxychlor	BRL		0.00052	0.019	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Toxaphene	BRL		0.0047	0.19	mg/Kg-dry	233803	1	11/29/2016 19:58	SH
Surr: Decachlorobiphenyl	77.8		0	45-128	%REC	233803	1	11/29/2016 19:58	SH
Surr: Tetrachloro-m-xylene	70.4		0	46-120	%REC	233803	1	11/29/2016 19:58	SH
PERCENT MOISTURE D2216									
Percent Moisture	9.94		0	0	wt%	R331112	1	12/01/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc **Date:** 6-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	EXC-14
Project Name:	DPW Brookhaven	**Collection Date:**	11/28/2016 5:00:00 PM
Lab ID:	1611N49-004	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B					**(SW3550C)**				
4,4´-DDD	BRL		0.00017	0.0035	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
4,4´-DDE	BRL		0.00016	0.0035	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
4,4´-DDT	0.0022	J	0.00017	0.0035	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Aldrin	BRL		0.00017	0.0017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
alpha-BHC	BRL		0.00022	0.0017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
alpha-Chlordane	0.0073		0.00020	0.0017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
beta-BHC	BRL		0.00031	0.0017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Chlordane	0.063		0.0039	0.035	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
delta-BHC	BRL		0.00019	0.0017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Dieldrin	0.0017	J	0.00015	0.0035	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Endosulfan I	BRL		0.00017	0.0017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Endosulfan II	BRL		0.00022	0.0035	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Endosulfan sulfate	BRL		0.00018	0.0035	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Endrin	BRL		0.00014	0.0035	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Endrin aldehyde	BRL		0.00023	0.0035	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Endrin ketone	BRL		0.00022	0.0035	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
gamma-BHC	BRL		0.00020	0.0017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
gamma-Chlordane	0.0079		0.00015	0.0017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Heptachlor	0.0014	J	0.00017	0.0017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Heptachlor epoxide	0.0053		0.00018	0.0017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Methoxychlor	BRL		0.00049	0.017	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Toxaphene	BRL		0.0044	0.17	mg/Kg-dry	233803	1	11/29/2016 20:31	SH
Surr: Decachlorobiphenyl	85		0	45-128	%REC	233803	1	11/29/2016 20:31	SH
Surr: Tetrachloro-m-xylene	82.5		0	46-120	%REC	233803	1	11/29/2016 20:31	SH
PERCENT MOISTURE D2216									
Percent Moisture	4.00		0	0	wt%	R331112	1	12/01/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
N	Analyte not NELAC certified	>	Greater than Result value
B	Analyte detected in the associated method blank	<	Less than Result value
NC	Not confirmed	Narr	See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EarthCon Work Order Number 1611N49

Checklist completed by _____ 11/28/16
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 1.1 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611N49

ANALYTICAL QC SUMMARY REPORT

BatchID: 233803

Sample ID: **MB-233803** Client ID: Units: **ug/Kg** Prep Date: **11/29/2016** Run No: **331056**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233803** Analysis Date: **11/29/2016** Seq No: **7202444**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDD	BRL	3.3									
4,4´-DDE	BRL	3.3									
4,4´-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
Chlordane	BRL	33									
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Methoxychlor	BRL	17									
Toxaphene	BRL	170									
Surr: Decachlorobiphenyl	14.25	0	16.67		85.5	45	128				
Surr: Tetrachloro-m-xylene	14.74	0	16.67		88.4	46	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611N49

ANALYTICAL QC SUMMARY REPORT

BatchID: 233803

Sample ID: **LCS-233803** Client ID: Units: **ug/Kg** Prep Date: **11/29/2016** Run No: **331056**
SampleType: **LCS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233803** Analysis Date: **11/29/2016** Seq No: **7202445**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	31.16	3.3	33.33		93.5	70.3	129				
Aldrin	28.90	1.7	33.33		86.7	57.8	120				
Dieldrin	28.25	3.3	33.33		84.8	66.3	118				
Endrin	31.43	3.3	33.33		94.3	66.9	130				
gamma-BHC	28.84	1.7	33.33		86.5	58.7	119				
Heptachlor	28.71	1.7	33.33		86.1	60.3	120				
Surr: Decachlorobiphenyl	14.35	0	16.67		86.1	45	128				
Surr: Tetrachloro-m-xylene	13.89	0	16.67		83.3	46	120				

Sample ID: **1611N49-003AMS** Client ID: **EXC-13** Units: **mg/Kg-dry** Prep Date: **11/29/2016** Run No: **331056**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233803** Analysis Date: **11/29/2016** Seq No: **7202449**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aldrin	0.03557	0.0019	0.0370	0.0007181	94.2	56.8	120				
Dieldrin	0.05128	0.0037	0.0370	0.01587	95.7	54.9	122				
Endrin	0.04163	0.0037	0.0370	0.0004260	111	61.7	127				
gamma-BHC	0.03541	0.0019	0.0370		95.7	59.4	120				
Heptachlor	0.04242	0.0019	0.0370	0.005794	99.0	53.7	124				
Surr: Decachlorobiphenyl	0.01612	0	0.0185		87.1	45	128				
Surr: Tetrachloro-m-xylene	0.01510	0	0.0185		81.6	46	120				

Sample ID: **1611N49-003AMS** Client ID: **EXC-13** Units: **mg/Kg-dry** Prep Date: **11/29/2016** Run No: **331089**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233803** Analysis Date: **11/30/2016** Seq No: **7203606**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	0.1353	0.018	0.0370	0.06736	184	47.4	135				S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1611N49

ANALYTICAL QC SUMMARY REPORT

BatchID: 233803

Sample ID: **1611N49-003AMSD** Client ID: **EXC-13** Units: **mg/Kg-dry** Prep Date: **11/29/2016** Run No: **331056**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233803** Analysis Date: **11/29/2016** Seq No: **7202450**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aldrin	0.03892	0.0019	0.0370	0.0007181	103	56.8	120	0.03557	9.00	27.6	
Dieldrin	0.05269	0.0037	0.0370	0.01587	99.5	54.9	122	0.05128	2.72	23.7	
Endrin	0.04306	0.0037	0.0370	0.0004260	115	61.7	127	0.04163	3.37	25.8	
gamma-BHC	0.03729	0.0019	0.0370		101	59.4	120	0.03541	5.18	25.2	
Heptachlor	0.04434	0.0019	0.0370	0.005794	104	53.7	124	0.04242	4.42	25	
Surr: Decachlorobiphenyl	0.01630	0	0.0185		88.1	45	128	0.01612	0	30	
Surr: Tetrachloro-m-xylene	0.01566	0	0.0185		84.6	46	120	0.01510	0	30	

Sample ID: **1611N49-003AMSD** Client ID: **EXC-13** Units: **mg/Kg-dry** Prep Date: **11/29/2016** Run No: **331089**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **233803** Analysis Date: **11/30/2016** Seq No: **7203607**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	0.1272	0.018	0.0370	0.06736	162	47.4	135	0.1353	6.17	26.8	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX D

LABORATORY ANALYTICAL RESULTS
DECEMBER 7, 2016
ADDITIONAL SOIL STOCKPILE
WASTE CHARACTERIZATION (FOR DISPOSAL)
WOODED AREA AT SOUTHERN PROPERTY LINE AND DETENTION POND

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

December 12, 2016

Samantha Woolf
EarthCon Consultants, Inc.
1880 West Oak Parkway
Marietta GA 30062

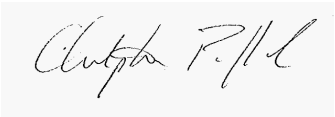
TEL: (770) 973-2100
FAX: (770) 973-7395

RE: Brookhaven

Dear Samantha Woolf: Order No: 1612716

Analytical Environmental Services, Inc. received 8 samples on December 7, 2016 5:30 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.



Chris Pafford
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1612714

Attn: Chris Pafford

Date: 12/7/16 Page 1 of 1

COMPANY:	ADDRESS:
EarthCon Consultants, Inc.	1880 West Oak Parkway Suite 106, Building 100 Marietta, GA 30062
PHONE: 770-973-2100	FAX: 770-973-7393
SAMPLED BY: Samantha Woolf	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes) NA	NA	TCLP Pesticides Chlorinated Pesticides	REMARKS	No # of Containers
1	SP-2	12/7/16	1345		X	SO	1	1			2
2	SP-3		1355		X	SO	1	1			2
3	SP-4		1410		X	SO	1	1			2
4	SP-5		1420		X	SO	1	1			2
5	SP-6		1435		X	SO	1	1			2
6	SP-7		1446		X	SO	1	1			2
7	SP-8		1500		X	SO	1	1			2
8	SP-9		1510		X	SO	1	1			2
9											
10											
11											
12											
13											
14											

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1: Samantha Woolf	12/7/16 1730	1:	12/7/16 1730
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD:
OUT / / VIA:
IN / / VIA:
~~CLIENT~~ FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME: DPW Brookhaven
PROJECT #: 02.2014027200
SITE ADDRESS: 2600 Apple Valley Rd Brookhaven, Atlanta, GA 30309
SEND REPORT TO: Russ Schlecht & Samantha Woolf
INVOICE TO: (IF DIFFERENT FROM ABOVE) Samantha Woolf
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers: 16

Turnaround Time Request
- ☐ Standard 5 Business Days
- ☒ 2 Business Day Rush
- ☐ Next Business Day Rush
- ☐ Same Day Rush (auth req.)
- ☐ Other _____

STATE PROGRAM (if any): _____
E-mail? Fax?
DATA PACKAGE: I ○ II ○ III ○ IV ○

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 12-Dec-16

Client: EarthCon Consultants, Inc.
Project: Brookhaven
Lab ID: 1612716

Case Narrative

Pesticide Analysis by Method 8081:

Due to sample matrix, sample 1612716-001A, -002A, -003A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 12-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SP-2
Project Name:	Brookhaven	**Collection Date:**	12/7/2016 1:45:00 PM
Lab ID:	1612716-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**				
Chlordane	0.023	0.0050		mg/L	234517	1	12/09/2016 19:41	SH
Surr: Decachlorobiphenyl	70	35.2-135		%REC	234517	1	12/09/2016 19:41	SH
Surr: Tetrachloro-m-xylene	99.8	47-133		%REC	234517	1	12/09/2016 19:41	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	3.0	1.4		mg/Kg-dry	234471	400	12/09/2016 21:10	SH
4,4´-DDE	1.0	0.069		mg/Kg-dry	234471	20	12/09/2016 16:43	SH
4,4´-DDT	110	3.5		mg/Kg-dry	234471	1000	12/09/2016 21:21	SH
Aldrin	0.089	0.035		mg/Kg-dry	234471	20	12/09/2016 16:43	SH
alpha-BHC	BRL	0.0017		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
alpha-Chlordane	10.0	0.70		mg/Kg-dry	234471	400	12/09/2016 21:10	SH
beta-BHC	BRL	0.0017		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
Chlordane	88	14		mg/Kg-dry	234471	400	12/09/2016 21:10	SH
delta-BHC	BRL	0.0017		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
Dieldrin	0.67	0.069		mg/Kg-dry	234471	20	12/09/2016 16:43	SH
Endosulfan I	BRL	0.0017		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
Endosulfan II	BRL	0.0035		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
Endosulfan sulfate	BRL	0.0035		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
Endrin	BRL	1.4		mg/Kg-dry	234471	400	12/09/2016 21:10	SH
Endrin aldehyde	BRL	0.0035		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
Endrin ketone	BRL	0.0035		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
gamma-BHC	BRL	0.0017		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
gamma-Chlordane	16	0.70		mg/Kg-dry	234471	400	12/09/2016 21:10	SH
Heptachlor	4.6	0.70		mg/Kg-dry	234471	400	12/09/2016 21:10	SH
Heptachlor epoxide	BRL	0.035		mg/Kg-dry	234471	20	12/09/2016 16:43	SH
Methoxychlor	BRL	0.017		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
Toxaphene	BRL	0.17		mg/Kg-dry	234471	1	12/09/2016 14:27	SH
Surr: Decachlorobiphenyl	87.4	45-128		%REC	234471	1	12/09/2016 14:27	SH
Surr: Tetrachloro-m-xylene	87.5	46-120		%REC	234471	1	12/09/2016 14:27	SH
PERCENT MOISTURE D2216								
Percent Moisture	4.02	0		wt%	R331892	1	12/12/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SP-3
Project Name:	Brookhaven	**Collection Date:**	12/7/2016 1:55:00 PM
Lab ID:	1612716-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**				
Chlordane	0.044	0.0050	*	mg/L	234517	1	12/09/2016 19:52	SH
Surr: Decachlorobiphenyl	87.1	35.2-135		%REC	234517	1	12/09/2016 19:52	SH
Surr: Tetrachloro-m-xylene	91.1	47-133		%REC	234517	1	12/09/2016 19:52	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	3.1	1.5		mg/Kg-dry	234471	400	12/09/2016 21:32	SH
4,4´-DDE	1.1	0.073		mg/Kg-dry	234471	20	12/09/2016 16:54	SH
4,4´-DDT	4.8	1.5		mg/Kg-dry	234471	400	12/09/2016 21:32	SH
Aldrin	0.70	0.037		mg/Kg-dry	234471	20	12/09/2016 16:54	SH
alpha-BHC	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
alpha-Chlordane	10	0.73		mg/Kg-dry	234471	400	12/09/2016 21:32	SH
beta-BHC	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
Chlordane	69	15		mg/Kg-dry	234471	400	12/09/2016 21:32	SH
delta-BHC	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
Dieldrin	2.6	1.5		mg/Kg-dry	234471	400	12/09/2016 21:32	SH
Endosulfan I	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
Endosulfan II	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
Endosulfan sulfate	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
Endrin	0.23	0.073		mg/Kg-dry	234471	20	12/09/2016 16:54	SH
Endrin aldehyde	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
Endrin ketone	0.066	0.0036		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
gamma-BHC	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
gamma-Chlordane	13	0.73		mg/Kg-dry	234471	400	12/09/2016 21:32	SH
Heptachlor	0.52	0.037		mg/Kg-dry	234471	20	12/09/2016 16:54	SH
Heptachlor epoxide	BRL	0.037		mg/Kg-dry	234471	20	12/09/2016 16:54	SH
Methoxychlor	BRL	0.018		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
Toxaphene	BRL	0.18		mg/Kg-dry	234471	1	12/09/2016 14:38	SH
Surr: Decachlorobiphenyl	106	45-128		%REC	234471	1	12/09/2016 14:38	SH
Surr: Tetrachloro-m-xylene	88.9	46-120		%REC	234471	1	12/09/2016 14:38	SH
PERCENT MOISTURE D2216								
Percent Moisture	8.62	0		wt%	R331892	1	12/12/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SP-4
Project Name:	Brookhaven	**Collection Date:**	12/7/2016 2:10:00 PM
Lab ID:	1612716-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**				
Chlordane	0.044	0.0050	*	mg/L	234517	1	12/09/2016 20:03	SH
Surr: Decachlorobiphenyl	90.5	35.2-135		%REC	234517	1	12/09/2016 20:03	SH
Surr: Tetrachloro-m-xylene	84.3	47-133		%REC	234517	1	12/09/2016 20:03	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	2.0	1.4		mg/Kg-dry	234471	400	12/09/2016 21:54	SH
4,4´-DDE	1.2	0.072		mg/Kg-dry	234471	20	12/09/2016 17:06	SH
4,4´-DDT	15	1.4		mg/Kg-dry	234471	400	12/09/2016 21:54	SH
Aldrin	0.027	0.0018		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
alpha-BHC	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
alpha-Chlordane	14	0.72		mg/Kg-dry	234471	400	12/09/2016 21:54	SH
beta-BHC	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
Chlordane	100	14		mg/Kg-dry	234471	400	12/09/2016 21:54	SH
delta-BHC	0.013	0.0018		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
Dieldrin	3.3	1.4		mg/Kg-dry	234471	400	12/09/2016 21:54	SH
Endosulfan I	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
Endosulfan II	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
Endosulfan sulfate	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
Endrin	0.20	0.072		mg/Kg-dry	234471	20	12/09/2016 17:06	SH
Endrin aldehyde	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
Endrin ketone	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
gamma-BHC	0.21	0.036		mg/Kg-dry	234471	20	12/09/2016 17:06	SH
gamma-Chlordane	19	0.72		mg/Kg-dry	234471	400	12/09/2016 21:54	SH
Heptachlor	1.5	0.72		mg/Kg-dry	234471	400	12/09/2016 21:54	SH
Heptachlor epoxide	BRL	0.036		mg/Kg-dry	234471	20	12/09/2016 17:06	SH
Methoxychlor	BRL	0.018		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
Toxaphene	BRL	0.18		mg/Kg-dry	234471	1	12/09/2016 14:49	SH
Surr: Decachlorobiphenyl	87.1	45-128		%REC	234471	1	12/09/2016 14:49	SH
Surr: Tetrachloro-m-xylene	85.4	46-120		%REC	234471	1	12/09/2016 14:49	SH
PERCENT MOISTURE D2216								
Percent Moisture	7.80	0		wt%	R331892	1	12/12/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SP-5
Project Name:	Brookhaven	**Collection Date:**	12/7/2016 2:20:00 PM
Lab ID:	1612716-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**				
Chlordane	0.12	0.0050	*	mg/L	234517	1	12/09/2016 20:14	SH
Surr: Decachlorobiphenyl	86.4	35.2-135		%REC	234517	1	12/09/2016 20:14	SH
Surr: Tetrachloro-m-xylene	97.2	47-133		%REC	234517	1	12/09/2016 20:14	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	0.75	0.072		mg/Kg-dry	234471	20	12/09/2016 17:17	SH
4,4´-DDE	0.77	0.072		mg/Kg-dry	234471	20	12/09/2016 17:17	SH
4,4´-DDT	11	1.4		mg/Kg-dry	234471	400	12/09/2016 23:01	SH
Aldrin	0.072	0.036		mg/Kg-dry	234471	20	12/09/2016 17:17	SH
alpha-BHC	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
alpha-Chlordane	7.9	0.72		mg/Kg-dry	234471	400	12/09/2016 23:01	SH
beta-BHC	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
Chlordane	57	14		mg/Kg-dry	234471	400	12/09/2016 23:01	SH
delta-BHC	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
Dieldrin	0.82	0.072		mg/Kg-dry	234471	20	12/09/2016 17:17	SH
Endosulfan I	BRL	0.0018		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
Endosulfan II	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
Endosulfan sulfate	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
Endrin	0.15	0.072		mg/Kg-dry	234471	20	12/09/2016 17:17	SH
Endrin aldehyde	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
Endrin ketone	BRL	0.0036		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
gamma-BHC	0.0057	0.0018		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
gamma-Chlordane	12	0.72		mg/Kg-dry	234471	400	12/09/2016 23:01	SH
Heptachlor	1.3	0.72		mg/Kg-dry	234471	400	12/09/2016 23:01	SH
Heptachlor epoxide	0.45	0.036		mg/Kg-dry	234471	20	12/09/2016 17:17	SH
Methoxychlor	BRL	0.018		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
Toxaphene	BRL	0.18		mg/Kg-dry	234471	1	12/09/2016 15:00	SH
Surr: Decachlorobiphenyl	114	45-128		%REC	234471	1	12/09/2016 15:00	SH
Surr: Tetrachloro-m-xylene	98.1	46-120		%REC	234471	1	12/09/2016 15:00	SH
PERCENT MOISTURE D2216								
Percent Moisture	7.68	0		wt%	R331892	1	12/12/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SP-6
Project Name:	Brookhaven	**Collection Date:**	12/7/2016 2:35:00 PM
Lab ID:	1612716-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**				
Chlordane	0.041	0.0050	*	mg/L	234517	1	12/09/2016 20:25	SH
Surr: Decachlorobiphenyl	95.8	35.2-135		%REC	234517	1	12/09/2016 20:25	SH
Surr: Tetrachloro-m-xylene	89.3	47-133		%REC	234517	1	12/09/2016 20:25	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	2.1	0.075		mg/Kg-dry	234471	20	12/09/2016 17:28	SH
4,4´-DDE	0.50	0.075		mg/Kg-dry	234471	20	12/09/2016 17:28	SH
4,4´-DDT	19	1.5		mg/Kg-dry	234471	400	12/09/2016 23:12	SH
Aldrin	0.058	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
alpha-BHC	BRL	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
alpha-Chlordane	4.6	0.76		mg/Kg-dry	234471	400	12/09/2016 23:12	SH
beta-BHC	BRL	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
Chlordane	32	15		mg/Kg-dry	234471	400	12/09/2016 23:12	SH
delta-BHC	BRL	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
Dieldrin	0.84	0.075		mg/Kg-dry	234471	20	12/09/2016 17:28	SH
Endosulfan I	BRL	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
Endosulfan II	BRL	0.0038		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
Endosulfan sulfate	BRL	0.0038		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
Endrin	BRL	0.0038		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
Endrin aldehyde	BRL	0.0038		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
Endrin ketone	BRL	0.0038		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
gamma-BHC	0.0027	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
gamma-Chlordane	6.8	0.76		mg/Kg-dry	234471	400	12/09/2016 23:12	SH
Heptachlor	0.19	0.038		mg/Kg-dry	234471	20	12/09/2016 17:28	SH
Heptachlor epoxide	0.17	0.038		mg/Kg-dry	234471	20	12/09/2016 17:28	SH
Methoxychlor	BRL	0.019		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
Toxaphene	BRL	0.19		mg/Kg-dry	234471	1	12/09/2016 15:11	SH
Surr: Decachlorobiphenyl	114	45-128		%REC	234471	1	12/09/2016 15:11	SH
Surr: Tetrachloro-m-xylene	98.9	46-120		%REC	234471	1	12/09/2016 15:11	SH
PERCENT MOISTURE D2216								
Percent Moisture	11.5	0		wt%	R331892	1	12/12/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SP-7
Project Name:	Brookhaven	**Collection Date:**	12/7/2016 2:45:00 PM
Lab ID:	1612716-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**				
Chlordane	0.048	0.0050	*	mg/L	234517	1	12/09/2016 20:37	SH
Surr: Decachlorobiphenyl	101	35.2-135		%REC	234517	1	12/09/2016 20:37	SH
Surr: Tetrachloro-m-xylene	96.6	47-133		%REC	234517	1	12/09/2016 20:37	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	0.48	0.080		mg/Kg-dry	234471	20	12/09/2016 17:39	SH
4,4´-DDE	0.12	0.080		mg/Kg-dry	234471	20	12/09/2016 17:39	SH
4,4´-DDT	1.1	0.080		mg/Kg-dry	234471	20	12/09/2016 17:39	SH
Aldrin	0.018	0.0020		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
alpha-BHC	BRL	0.0020		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
alpha-Chlordane	1.7	0.20		mg/Kg-dry	234471	100	12/09/2016 23:23	SH
beta-BHC	BRL	0.0020		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Chlordane	12	0.80		mg/Kg-dry	234471	20	12/09/2016 17:39	SH
delta-BHC	BRL	0.0020		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Dieldrin	0.27	0.080		mg/Kg-dry	234471	20	12/09/2016 17:39	SH
Endosulfan I	BRL	0.0020		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Endosulfan II	BRL	0.0040		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Endosulfan sulfate	BRL	0.0040		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Endrin	0.024	0.0040		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Endrin aldehyde	BRL	0.0040		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Endrin ketone	0.018	0.0040		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
gamma-BHC	0.0045	0.0020		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
gamma-Chlordane	2.6	0.20		mg/Kg-dry	234471	100	12/09/2016 23:23	SH
Heptachlor	0.053	0.0020		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Heptachlor epoxide	0.034	0.0020		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Methoxychlor	BRL	0.020		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Toxaphene	BRL	0.20		mg/Kg-dry	234471	1	12/09/2016 15:23	SH
Surr: Decachlorobiphenyl	106	45-128		%REC	234471	1	12/09/2016 15:23	SH
Surr: Tetrachloro-m-xylene	88.8	46-120		%REC	234471	1	12/09/2016 15:23	SH
PERCENT MOISTURE D2216								
Percent Moisture	16.7	0		wt%	R331892	1	12/12/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SP-8
Project Name:	Brookhaven	**Collection Date:**	12/7/2016 3:00:00 PM
Lab ID:	1612716-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**				
Chlordane	0.050	0.0050	*	mg/L	234517	1	12/09/2016 20:48	SH
Surr: Decachlorobiphenyl	103	35.2-135		%REC	234517	1	12/09/2016 20:48	SH
Surr: Tetrachloro-m-xylene	102	47-133		%REC	234517	1	12/09/2016 20:48	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	0.66	0.082		mg/Kg-dry	234471	20	12/09/2016 17:50	SH
4,4´-DDE	0.20	0.082		mg/Kg-dry	234471	20	12/09/2016 17:50	SH
4,4´-DDT	2.5	0.082		mg/Kg-dry	234471	20	12/09/2016 17:50	SH
Aldrin	0.023	0.0021		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
alpha-BHC	BRL	0.0021		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
alpha-Chlordane	1.7	0.21		mg/Kg-dry	234471	100	12/09/2016 23:34	SH
beta-BHC	BRL	0.0021		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Chlordane	12	0.82		mg/Kg-dry	234471	20	12/09/2016 17:50	SH
delta-BHC	BRL	0.0021		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Dieldrin	0.25	0.082		mg/Kg-dry	234471	20	12/09/2016 17:50	SH
Endosulfan I	BRL	0.0021		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Endosulfan II	BRL	0.0041		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Endosulfan sulfate	BRL	0.0041		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Endrin	0.021	0.0041		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Endrin aldehyde	BRL	0.0041		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Endrin ketone	0.052	0.0041		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
gamma-BHC	BRL	0.0021		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
gamma-Chlordane	2.6	0.21		mg/Kg-dry	234471	100	12/09/2016 23:34	SH
Heptachlor	0.050	0.0021		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Heptachlor epoxide	0.041	0.0021		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Methoxychlor	BRL	0.021		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Toxaphene	BRL	0.21		mg/Kg-dry	234471	1	12/09/2016 15:34	SH
Surr: Decachlorobiphenyl	97.6	45-128		%REC	234471	1	12/09/2016 15:34	SH
Surr: Tetrachloro-m-xylene	90.4	46-120		%REC	234471	1	12/09/2016 15:34	SH
PERCENT MOISTURE D2216								
Percent Moisture	18.8	0		wt%	R331892	1	12/12/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Dec-16

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SP-9
Project Name:	Brookhaven	**Collection Date:**	12/7/2016 3:10:00 PM
Lab ID:	1612716-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**				
Chlordane	0.044	0.0050	*	mg/L	234517	1	12/09/2016 20:59	SH
Surr: Decachlorobiphenyl	88.8	35.2-135		%REC	234517	1	12/09/2016 20:59	SH
Surr: Tetrachloro-m-xylene	85.5	47-133		%REC	234517	1	12/09/2016 20:59	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
4,4´-DDD	0.30	0.075		mg/Kg-dry	234471	20	12/09/2016 18:01	SH
4,4´-DDE	0.26	0.075		mg/Kg-dry	234471	20	12/09/2016 18:01	SH
4,4´-DDT	1.5	0.075		mg/Kg-dry	234471	20	12/09/2016 18:01	SH
Aldrin	BRL	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
alpha-BHC	BRL	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
alpha-Chlordane	3.0	0.19		mg/Kg-dry	234471	100	12/09/2016 23:45	SH
beta-BHC	BRL	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
Chlordane	20	3.7		mg/Kg-dry	234471	100	12/09/2016 23:45	SH
delta-BHC	BRL	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
Dieldrin	3.2	0.37		mg/Kg-dry	234471	100	12/09/2016 23:45	SH
Endosulfan I	BRL	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
Endosulfan II	BRL	0.0037		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
Endosulfan sulfate	BRL	0.0037		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
Endrin	0.15	0.075		mg/Kg-dry	234471	20	12/09/2016 18:01	SH
Endrin aldehyde	BRL	0.0037		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
Endrin ketone	BRL	0.0037		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
gamma-BHC	0.017	0.0019		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
gamma-Chlordane	4.0	0.19		mg/Kg-dry	234471	100	12/09/2016 23:45	SH
Heptachlor	0.24	0.037		mg/Kg-dry	234471	20	12/09/2016 18:01	SH
Heptachlor epoxide	0.094	0.037		mg/Kg-dry	234471	20	12/09/2016 18:01	SH
Methoxychlor	BRL	0.019		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
Toxaphene	BRL	0.19		mg/Kg-dry	234471	1	12/09/2016 15:45	SH
Surr: Decachlorobiphenyl	91.6	45-128		%REC	234471	1	12/09/2016 15:45	SH
Surr: Tetrachloro-m-xylene	90.8	46-120		%REC	234471	1	12/09/2016 15:45	SH
PERCENT MOISTURE D2216								
Percent Moisture	10.9	0		wt%	R331892	1	12/12/2016 09:00	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Earthcon Work Order Number 1612716

Checklist completed by Kayla Judge 12/7/2016
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes ✓ No __ Not Present __

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 0.2 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted ✓ Yes __ No __

Water - pH acceptable upon receipt? Yes __ No __ Not Applicable ✓

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: EarthCon Consultants, Inc.
Project Name: Brookhaven
Workorder: 1612716

ANALYTICAL QC SUMMARY REPORT

BatchID: 234471

Sample ID: **MB-234471** Client ID: Units: **ug/Kg** Prep Date: **12/08/2016** Run No: **331798**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **234471** Analysis Date: **12/08/2016** Seq No: **7223650**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDD	BRL	3.3									
4,4´-DDE	BRL	3.3									
4,4´-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
Chlordane	BRL	33									
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Methoxychlor	BRL	17									
Toxaphene	BRL	170									
Surr: Decachlorobiphenyl	16.11	0	16.67		96.7	45	128				
Surr: Tetrachloro-m-xylene	15.74	0	16.67		94.4	46	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Brookhaven
Workorder: 1612716

ANALYTICAL QC SUMMARY REPORT

BatchID: 234471

Sample ID: **LCS-234471** Client ID: Units: **ug/Kg** Prep Date: **12/08/2016** Run No: **331798**
SampleType: **LCS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **234471** Analysis Date: **12/08/2016** Seq No: **7223651**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	35.92	3.3	33.33	1.594	103	70.3	129				
Aldrin	32.07	1.7	33.33		96.2	57.8	120				
Dieldrin	32.33	3.3	33.33		97.0	66.3	118				
Endrin	36.26	3.3	33.33		109	66.9	130				
gamma-BHC	32.73	1.7	33.33		98.2	58.7	119				
Heptachlor	33.79	1.7	33.33		101	60.3	120				
Surr: Decachlorobiphenyl	15.66	0	16.67		93.9	45	128				
Surr: Tetrachloro-m-xylene	14.19	0	16.67		85.1	46	120				

Sample ID: **1612549-001AMS** Client ID: Units: **ug/Kg** Prep Date: **12/08/2016** Run No: **331798**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **234471** Analysis Date: **12/08/2016** Seq No: **7223653**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	35.59	3.3	33.33		107	47.4	135				
Aldrin	36.26	1.7	33.33		109	56.8	120				
Dieldrin	33.62	3.3	33.33		101	54.9	122				
Endrin	38.15	3.3	33.33		114	61.7	127				
gamma-BHC	38.26	1.7	33.33		115	59.4	120				
Heptachlor	37.50	1.7	33.33		112	53.7	124				
Surr: Decachlorobiphenyl	15.26	0	16.67		91.6	45	128				
Surr: Tetrachloro-m-xylene	17.04	0	16.67		102	46	120				

Sample ID: **1612549-001AMSD** Client ID: Units: **ug/Kg** Prep Date: **12/08/2016** Run No: **331798**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **234471** Analysis Date: **12/08/2016** Seq No: **7223654**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	33.82	3.3	33.33		101	47.4	135	35.59	5.11	26.8	
Aldrin	32.98	1.7	33.33		98.9	56.8	120	36.26	9.47	27.6	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Brookhaven
Workorder: 1612716

ANALYTICAL QC SUMMARY REPORT

BatchID: 234471

Sample ID: **1612549-001AMSD** Client ID:
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B**
Units: **ug/Kg** Prep Date: **12/08/2016** Run No: **331798**
BatchID: **234471** Analysis Date: **12/08/2016** Seq No: **7223654**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	31.20	3.3	33.33		93.6	54.9	122	33.62	7.46	23.7	
Endrin	35.46	3.3	33.33		106	61.7	127	38.15	7.29	25.8	
gamma-BHC	33.95	1.7	33.33		102	59.4	120	38.26	11.9	25.2	
Heptachlor	34.43	1.7	33.33		103	53.7	124	37.50	8.53	25	
Surr: Decachlorobiphenyl	14.69	0	16.67		88.1	45	128	15.26	0	30	
Surr: Tetrachloro-m-xylene	14.78	0	16.67		88.7	46	120	17.04	0	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Brookhaven
Workorder: 1612716

ANALYTICAL QC SUMMARY REPORT

BatchID: 234517

Sample ID: **MB-234517**	Client ID:			Units: **mg/L**	Prep Date: **12/09/2016**	Run No: **331817**
SampleType: **MBLK**	TestCode: **PESTICIDES, TCLP SW1311/8081B**			BatchID: **234517**	Analysis Date: **12/09/2016**	Seq No: **7224292**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	BRL	0.0050									
Surr: Decachlorobiphenyl	0.005374	0	0.0050		107	35.2	135				
Surr: Tetrachloro-m-xylene	0.005292	0	0.0050		106	47	133				

Sample ID: **LCS-234517-1**	Client ID:			Units: **mg/L**	Prep Date: **12/09/2016**	Run No: **331817**
SampleType: **LCS**	TestCode: **PESTICIDES, TCLP SW1311/8081B**			BatchID: **234517**	Analysis Date: **12/09/2016**	Seq No: **7224293**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Decachlorobiphenyl	0.005329	0	0.0050		107	35.2	135				
Surr: Tetrachloro-m-xylene	0.005182	0	0.0050		104	47	133				

Sample ID: **LCS-234517-2**	Client ID:			Units: **mg/L**	Prep Date: **12/09/2016**	Run No: **331817**
SampleType: **LCS**	TestCode: **PESTICIDES, TCLP SW1311/8081B**			BatchID: **234517**	Analysis Date: **12/09/2016**	Seq No: **7224294**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	0.04155	0.0050	0.0400		104	74.7	130				
Surr: Decachlorobiphenyl	0.005141	0	0.0050		103	35.2	135				
Surr: Tetrachloro-m-xylene	0.005026	0	0.0050		101	47	133				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX H

Summary of Soil Sampling Below Original Wall Footing, Sampling Completed March 6, 2017

EARTHCON®
Environmental Challenges
BUSINESS SOLUTIONS ®

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Marietta, Georgia 30062

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F: 770-973-7395
www.earthcon.com

April 4, 2017

Mr. Gary Rogers
Environmental Manager
Rollins, Inc.
2170 Piedmont Road NE
Atlanta, Georgia 30324

Subject: **Summary of Soil Sampling Below Original Retaining Wall Footing**
Sampling Completed March 6, 2017
Dettelbach Pesticide Warehouse Site, HSI No. 10612
1251 Park Avenue, Atlanta, DeKalb County, Georgia
EarthCon Project No. 02.20140272.00

Dear Mr. Rogers:

EarthCon Consultants, Inc. (EarthCon) is pleased to provide this letter report summarizing the soil sampling activities conducted at the Dettelbach Pesticide Warehouse (DPW) property, located at 1251 Park Avenue in Atlanta (Brookhaven), DeKalb County, Georgia.

Additional soil sampling was completed to demonstrate delineation below the retaining wall footing in response to Georgia Environmental Protection Division's (EPD) *Comments on Voluntary Remediation Program Application* letter on February 26, 2016. Sampling was conducted after removal of the wall, footing, and approximately 3 feet of underlying soil to confirm the extent of soil exceeding the residential and non-residential risk reduction standards (RRS) in the area below retaining wall footing. The approved RRS for this site are included on Table 1 of this report.

Soil Delineation – Eastern Property Line

On March 6, 2017, soil sampling was conducted along the western side of the building in the area below the original retaining wall footing. Two grab soil samples were collected from locations SB-61A and SB-62A at depths of 3.7 and 3.2 feet respectively, below the top of the sidewalk located adjacent to the original retaining wall. Each sample was analyzed for total pesticides via EPA Method 8081B. The sample locations are shown on Figure 1. Also shown on Figure 1 are the results of these analyses, as well as previous analyses for samples collected in this area. Soil representative of the previous sampling and analysis activities have been excavated and will be characterized for determination of their disposition.

Results of the additional soil sampling indicate that concentrations of pesticide constituents for samples collected from SB-61A and SB-62A do not exceed the approved residential RRS. The laboratory analytical report for the vertical soil delineation activities is provided as Attachment A.

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Environmental Challenges
BUSINESS SOLUTIONS®

EarthCon appreciates the opportunity to assist Rollins with this project. If you have any questions regarding this summary letter, please feel free to contact the undersigned at (770) 973-2100.

Sincerely,
EarthCon Consultants, Inc.

Kent M. Davis, P.G.
Senior Geologist

Russell K. Schlecht, P.E.
Principal Engineer

Attachments

Table 1:	Summary of Approved Residential and Non-Residential Risk Reduction Standards
Figure 1:	Soil Delineation Below the Original Retaining Wall Footing – March 6, 2017
Attachment A:	Laboratory Analytical Report – March 14, 2017 – Soil Delineation below the Original Retaining Wall

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EarthCon Consultants, Inc.
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Environmental Challenges
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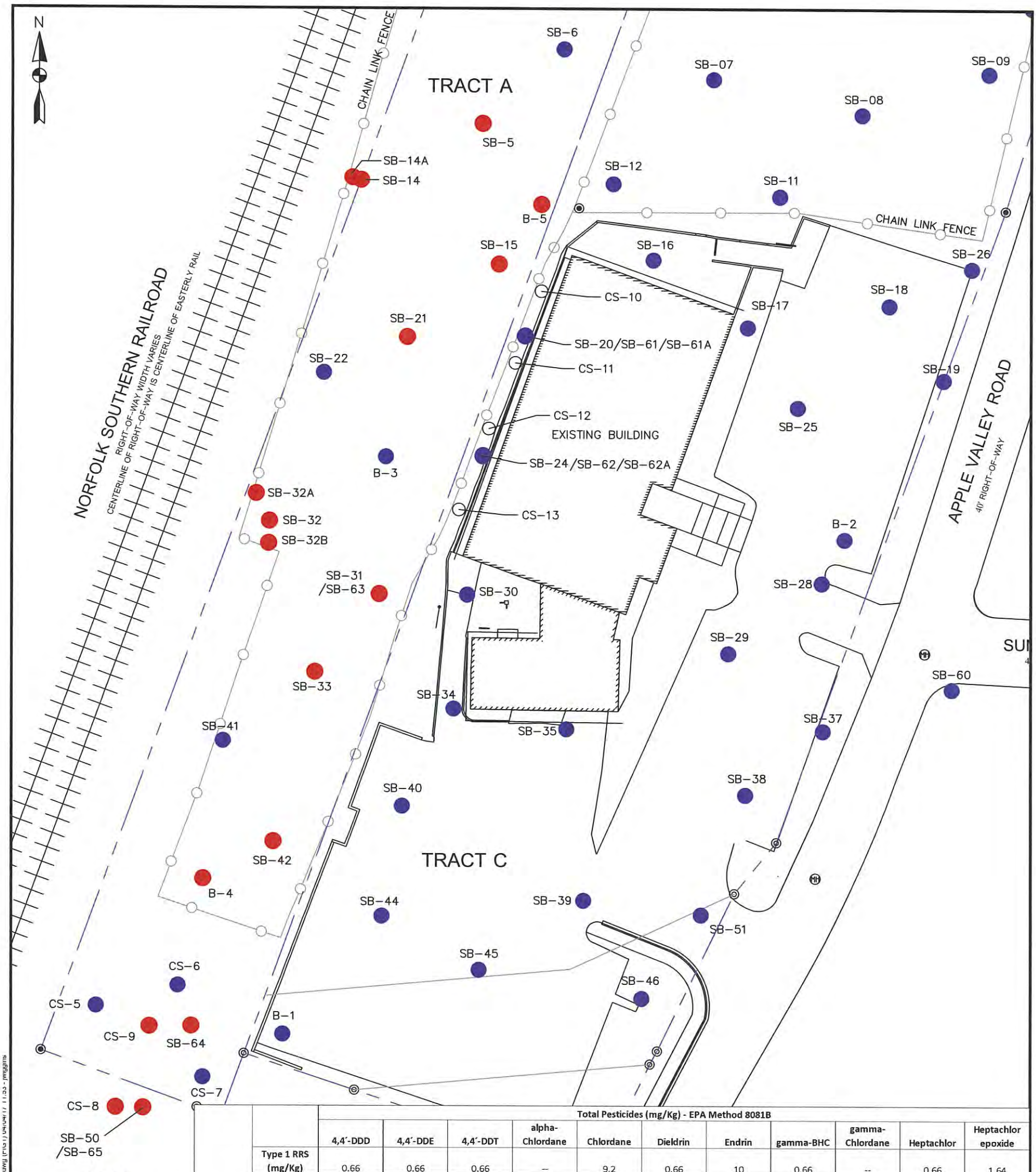
TABLE

TABLE 1
SUMMARY OF APPROVED RESIDENTIAL AND NON-RESIDENTIAL RISK REDUCTION STANDARDS

Regulated Substance (mg/Kg)	Type 1 (Residential)	Type 4 (Non-Residential)
4,4'-DDD	0.66	56.1
4,4'-DDE	0.66	39.6
4,4'-DDT	0.66	56.8
Aldrin	0.66	--
Chlordane	9.2	11.1
Dieldrin	0.66	0.14
Endosulfan I	10	--
Endrin	10	--
gamma-BHC	0.66	--
Heptachlor	0.66	1.05
Heptachlor epoxide	1.64	0.13

Notes
mg/Kg - milligram per kilogram
-- Not calculated

FIGURE



		Total Pesticides (mg/Kg) - EPA Method 8081B										
		4,4'-DDD	4,4'-DDE	4,4'-DDT	alpha-Chlordane	Chlordane	Dieldrin	Endrin	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor epoxide
	Type 1 RRS (mg/Kg)	0.66	0.66	0.66	--	9.2	0.66	10	0.66	--	0.66	1.64
	Type 4 RRS (mg/Kg)	56.1	39.6	56.8	--	11.1	0.14	--	--	--	1.05	0.13
Sample ID	Depth (ft, bgs)											
SB-61	0-2'	<0.75	<0.75	<0.75	<19	**1200**	**11**	<0.75	<0.37	<0.19	<1.9	<0.37
SB-61A	0-2'	0.23	0.015	0.31	<0.020	3.9	0.17	0.054	0.0059	0.67	0.011	<0.0020
SB-62	0-2'	0.028	<0.0039	0.0052	<0.02	1.5	0.037	<0.0039	<0.002	<0.02	<0.002	0.032
SB-62A	0-2'	<0.0038	<0.0038	<0.0038	0.039	0.27	0.0079	<0.0038	<0.0019	0.055	<0.0019	0.0023

Notes

Only detected chlorinated pesticides shown; results for remaining constituents were not detected.

-- Not calculated

mg/Kg - milligrams per kilogram

bgs - below ground surface

RRS - risk reduction standard

Bold - concentration exceeds residential Type 4 RRS

Soils represented by samples SB-61 and SB-62 have been removed.

LEGEND

SB-64 SOIL BORING LOCATION – EXCEEDS RRS

SB-47 SOIL BORING LOCATION – DOES NOT EXCEED RRS

SOURCE: LANDMAN INC. dba LAND DEVELOPING CO. BOUNDARY SURVEY (3/27/2014)

0 20 40 80

SCALE IN FEET

SURVEY NOTES

1. THIS SURVEY WAS MADE ON THE GROUND USING A CARLSON NETWORK CORRECTED RTK RECEIVER, A SOUTH 2 SECOND TOTAL STATION AND A STEEL TAPE.

2. THE MAXIMUM RELATIVE POSITIONAL ERROR WAS COMPUTED TO BE 0.06 FEET AND WAS ADJUSTED USING NETWORK LEAST SQUARES METHOD.

3. THE DISTANCES AND AREAS SHOWN ON THIS SURVEY GROUND. THE COMBINED GRID FACTOR USED IS 0.99986. THE BASIS OF BEARING IS GEORGIA STATE PLANE COORDINATE SYSTEM WEST ZONE.

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA

DEKALB COUNTY

HSI SITE NUMBER 10612

PROJECT NO. 02.20140272.00

EARTHCON®

EarthCon Consultants, Inc.

1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

SOIL SAMPLING BELOW ORIGINAL RETAINING WALL FOOTING FEBRUARY 2017

DB-8

DRAWN:	CHECKED:	DATE:	FIGURE:
JMW	RKS	MARCH 29, 2017	1

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PLOTTED: 3/29/2017 11:35:11 AM by JMW (PLOT) DWG: J:\Projects\Clients\Dettelbach Pesticide Warehouse\Remedy Implementation\Figures\Summary Report_Add Delineation.dwg

APPENDIX A

LABORATORY ANALYTICAL RESULTS
March 14, 2017
SOIL SAMPLING BELOW ORIGINAL WALL FOOTING

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 14, 2017

Russ Schlect
EarthCon Consultants, Inc.
1880 West Oak Parkway
Marietta GA 30062

TEL: (770) 973-2100
FAX: (770) 973-7395

RE: Dettelbach Pesticide Warehouse Site

Dear Russ Schlect: Order No: 1703451

Analytical Environmental Services, Inc. received 2 samples on March 6, 2017 3:00 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

Chris Pafford
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 703457

Date: 3/6/17 Page 1 of 1

COMPANY: EarthCon Consultants, Inc. 1000 West Oak Pkwy Bld 100 Ste 106	ADDRESS: 1000 West Oak Pkwy Bld 100 Ste 106 Marietta, GA 30062
PHONE: 770-973-2100	FAX: 770-973-2395
SAMPLED BY: K. Davis	SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	ANALYSIS REQUESTED	REMARKS	No # of Containers
1	SB-61A 3.7'	3/6/17	1400	X		SO	I	Pesticides		1
2	SB-62A 3.2'	3/6/17	1407	X		SO	I	Pesticides		1
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Visit our website **www.aesatlanta.com** to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1:	3/6/17 1500	1:	3/6/17 1500
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD:
OUT / / VIA:
IN / / VIA:
(CLIENT) FedEx UPS MAIL COURIER
GREYHOUND OTHER

PROJECT INFORMATION

PROJECT NAME: Bertelsack Pesticide Warehouse Site
PROJECT #: 02.20140272.00
SITE ADDRESS: 2600 Apple Valley Rd Atlanta, GA
SEND REPORT TO: Russ Schlecht
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: PO#:

RECEIPT

Total # of Containers: 2

Turnaround Time Request
- [X] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other

STATE PROGRAM (if any):
E-mail? Fax?
DATA PACKAGE: I ○ II ○ III ○ IV ○

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 14-Mar-17

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-61A 3.7'
Project Name:	Dettelbach Pesticide Warehouse Site	**Collection Date:**	3/6/2017 2:00:00 PM
Lab ID:	1703451-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				(SW3550C)				
4,4'-DDD	0.23	0.040		mg/Kg-dry	239097	10	03/08/2017 19:39	SH
4,4'-DDE	0.015	0.0040		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
4,4'-DDT	0.31	0.040		mg/Kg-dry	239097	10	03/08/2017 19:39	SH
Aldrin	BRL	0.0020		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
alpha-BHC	BRL	0.0020		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
alpha-Chlordane	0.57	0.020		mg/Kg-dry	239097	10	03/08/2017 19:39	SH
beta-BHC	BRL	0.0020		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Chlordane	3.9	0.40		mg/Kg-dry	239097	10	03/08/2017 19:39	SH
delta-BHC	0.0037	0.0020		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Dieldrin	0.17	0.040		mg/Kg-dry	239097	10	03/08/2017 19:39	SH
Endosulfan I	BRL	0.0020		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Endosulfan II	BRL	0.0040		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Endosulfan sulfate	BRL	0.0040		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Endrin	0.054	0.0040		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Endrin aldehyde	BRL	0.0040		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Endrin ketone	BRL	0.0040		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
gamma-BHC	0.0059	0.0020		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
gamma-Chlordane	0.67	0.040		mg/Kg-dry	239097	20	03/08/2017 20:12	SH
Heptachlor	0.011	0.0020		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Heptachlor epoxide	BRL	0.0020		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Methoxychlor	BRL	0.020		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Toxaphene	BRL	0.20		mg/Kg-dry	239097	1	03/08/2017 18:55	SH
Surr: Decachlorobiphenyl	76.9	45-128		%REC	239097	1	03/08/2017 18:55	SH
Surr: Tetrachloro-m-xylene	74.9	46-120		%REC	239097	1	03/08/2017 18:55	SH
PERCENT MOISTURE D2216								
Percent Moisture	15.8	0		wt%	R338110	1	03/09/2017 16:30	BD

Qualifiers:	* Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
	BRL Below reporting limit	S	Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	Narr	See case narrative
	N Analyte not NELAC certified	NC	Not confirmed
	B Analyte detected in the associated method blank	<	Less than Result value
	> Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 14-Mar-17

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-62A 3.2'
Project Name:	Dettelbach Pesticide Warehouse Site	**Collection Date:**	3/6/2017 2:07:00 PM
Lab ID:	1703451-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				(SW3550C)				
4,4'-DDD	BRL	0.0038		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
4,4'-DDE	BRL	0.0038		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
4,4'-DDT	BRL	0.0038		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Aldrin	BRL	0.0019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
alpha-BHC	BRL	0.0019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
alpha-Chlordane	0.039	0.0019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
beta-BHC	BRL	0.0019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Chlordane	0.27	0.038		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
delta-BHC	BRL	0.0019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Dieldrin	0.0079	0.0038		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Endosulfan I	BRL	0.0019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Endosulfan II	BRL	0.0038		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Endosulfan sulfate	BRL	0.0038		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Endrin	BRL	0.0038		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Endrin aldehyde	BRL	0.0038		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Endrin ketone	BRL	0.0038		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
gamma-BHC	BRL	0.0019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
gamma-Chlordane	0.055	0.0019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Heptachlor	BRL	0.0019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Heptachlor epoxide	0.0023	0.0019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Methoxychlor	BRL	0.019		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Toxaphene	BRL	0.19		mg/Kg-dry	239097	1	03/08/2017 19:06	SH
Surr: Decachlorobiphenyl	76.6	45-128		%REC	239097	1	03/08/2017 19:06	SH
Surr: Tetrachloro-m-xylene	69.5	46-120		%REC	239097	1	03/08/2017 19:06	SH
PERCENT MOISTURE D2216								
Percent Moisture	12.9	0		wt%	R338110	1	03/09/2017 16:30	BD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **EarthCon Consultants, Inc.** AES Work Order Number: **1703451**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	◉	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	◉	○		
5.	Custody seals intact on shipping container?	○	○	◉		
6.	Temperature blanks present?	○	◉	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	○	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 5.6 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). TD 3/6/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	◉		
26.	Were trip blanks submitted?	○	○	◉	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MP 3/7/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	○	○	◉		
29.	Containers meet preservation guidelines?	○	○	◉		
30.	Was pH adjusted?	○	○	◉		

I certify that I have completed sections 28-30 (dated initials). MP 3/7/17

Locked

Client: EarthCon Consultants, Inc.
Project Name: Dettelbach Pesticide Warehouse Site
Workorder: 1703451

ANALYTICAL QC SUMMARY REPORT

BatchID: 239097

Sample ID: **MB-239097** Client ID:
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES SW8081B**
Units: **ug/Kg** Prep Date: **03/08/2017** Run No: **338033**
BatchID: **239097** Analysis Date: **03/08/2017** Seq No: **7387057**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDD	BRL	3.3									
4,4'-DDE	BRL	3.3									
4,4'-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
Chlordane	BRL	33									
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Methoxychlor	BRL	17									
Toxaphene	BRL	170									
Surr: Decachlorobiphenyl	13.69	0	16.67		82.1	45	128				
Surr: Tetrachloro-m-xylene	12.30	0	16.67		73.8	46	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Dettelbach Pesticide Warehouse Site
Workorder: 1703451

ANALYTICAL QC SUMMARY REPORT

BatchID: 239097

Sample ID: **LCS-239097** Client ID:
SampleType: **LCS** TestCode: **CHLORINATED PESTICIDES SW8081B**
Units: **ug/Kg** Prep Date: **03/08/2017** Run No: **338033**
BatchID: **239097** Analysis Date: **03/08/2017** Seq No: **7387058**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDT	28.42	3.3	33.33		85.3	70.3	129				
Aldrin	25.40	1.7	33.33		76.2	57.8	120				
Dieldrin	26.40	3.3	33.33		79.2	66.3	118				
Endrin	30.46	3.3	33.33		91.4	66.9	130				
gamma-BHC	26.02	1.7	33.33		78.1	58.7	119				
Heptachlor	26.61	1.7	33.33		79.9	60.3	120				
Surr: Decachlorobiphenyl	13.32	0	16.67		79.9	45	128				
Surr: Tetrachloro-m-xylene	11.86	0	16.67		71.1	46	120				

Sample ID: **1703451-002AMS** Client ID: **SB-62A 3.2'**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B**
Units: **ug/Kg-dry** Prep Date: **03/08/2017** Run No: **338033**
BatchID: **239097** Analysis Date: **03/08/2017** Seq No: **7387061**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDT	32.65	3.8	38.25	1.444	81.6	47.4	135				
Aldrin	26.40	1.9	38.25		69.0	56.8	120				
Dieldrin	36.91	3.8	38.25	7.896	75.8	54.9	122				
Endrin	35.20	3.8	38.25	2.251	86.1	61.7	127				
gamma-BHC	28.67	1.9	38.25	1.881	70.0	59.4	120				
Heptachlor	31.30	1.9	38.25	1.519	77.9	53.7	124				
Surr: Decachlorobiphenyl	13.93	0	19.13		72.8	45	128				
Surr: Tetrachloro-m-xylene	11.36	0	19.13		59.4	46	120				

Sample ID: **1703451-002AMSD** Client ID: **SB-62A 3.2'**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B**
Units: **ug/Kg-dry** Prep Date: **03/08/2017** Run No: **338033**
BatchID: **239097** Analysis Date: **03/08/2017** Seq No: **7387062**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDT	35.06	3.8	38.25	1.444	87.9	47.4	135	32.65	7.12	26.8	
Aldrin	29.13	1.9	38.25		76.2	56.8	120	26.40	9.83	27.6	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Dettelbach Pesticide Warehouse Site
Workorder: 1703451

ANALYTICAL QC SUMMARY REPORT

BatchID: 239097

Sample ID: **1703451-002AMSD** Client ID: **SB-62A 3.2'** Units: **ug/Kg-dry** Prep Date: **03/08/2017** Run No: **338033**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **239097** Analysis Date: **03/08/2017** Seq No: **7387062**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	38.59	3.8	38.25	7.896	80.3	54.9	122	36.91	4.47	23.7	
Endrin	36.76	3.8	38.25	2.251	90.2	61.7	127	35.20	4.34	25.8	
gamma-BHC	32.71	1.9	38.25	1.881	80.6	59.4	120	28.67	13.2	25.2	
Heptachlor	32.75	1.9	38.25	1.519	81.7	53.7	124	31.30	4.54	25	
Surr: Decachlorobiphenyl	14.51	0	19.13		75.8	45	128	13.93	0	30	
Surr: Tetrachloro-m-xylene	13.38	0	19.13		70.0	46	120	11.36	0	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX I

Summary of Horizontal Soil Delineation Adjacent to Norfolk Southern R/W, Sampling Completed February 2017

EARTHCON®
Environmental Challenges
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EarthCon Consultants, Inc.
1880 West Oak Parkway
Building 100, Suite 106
Marietta, Georgia 30062

P: 770-973-2100
F: 770-973-7395
www.earthcon.com

February 24, 2017

Mr. Gary Rogers
Environmental Manager
Rollins, Inc.
2170 Piedmont Road NE
Atlanta, Georgia 30324

Subject: **Summary of Horizontal Soil Delineation Adjacent to Norfolk Southern R/W**
Sampling Completed February 2017
Dettelbach Pesticide Warehouse Site, HSI No. 10612
1251 Park Avenue, Atlanta, DeKalb County, Georgia
EarthCon Project No. 02.20140272.00

Dear Mr. Rogers:

EarthCon Consultants, Inc. (EarthCon) is pleased to provide this letter report to summarize the soil sampling activities conducted at the Dettelbach Pesticide Warehouse (DPW) property, located at 1251 Park Avenue in Atlanta (Brookhaven), DeKalb County, Georgia.

Additional soil sampling was completed to demonstrate horizontal delineation at the western property line in response to Georgia Environmental Protection Division's (EPD) *Comments on Voluntary Remediation Program Application* letter on February 26, 2016. Sampling was conducted to confirm the extent of soil exceeding the residential and non-residential risk reduction standards (RRS) in the area adjacent to the Norfolk Southern Railroad right of way (R/W). The approved RRS for this site are included on Table 1 of this report.

Horizontal Soil Delineation – Western Property Line

On February 10, 2017, soil sampling was conducted along the western property line in the area where samples SB-14 and SB-32 had been collected previously. Three grab soil samples were collected from hand auger borings SB-14A, SB-32A, and SB-32B at depths of 0 to 2 feet below ground surface (bgs) and analyzed for total pesticides via EPA Method 8081B. The boring locations are shown on Figure 1.

Results of the additional soil sampling indicate that concentrations for samples collected from SB-14A, SB-32A, and SB-32B exceed the approved RRS. The laboratory analytical report for the horizontal soil delineation activities is provided as Attachment A.

Additional delineation along the western property line would need to occur within the 25-foot R/W of the Norfolk Southern rail lines. Norfolk Southern requires that any work occurring within the R/W be approved prior to start to ensure safety of field crews and to inform rail operations of ongoing work in the vicinity of the rails. EarthCon will prepare a letter for submittal to notify Norfolk Southern requesting approval to conduct additional horizontal delineation of soil in compliance with the approved RRS.

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EarthCon appreciates the opportunity to assist Rollins with this project. If you have any questions regarding this summary letter, please feel free to contact the undersigned at (770) 973-2100.

Sincerely,

Samantha Woolf, E.I.T.
Staff Engineer

Russell K. Schlecht, P.E.
Principal Engineer

Attachments

Table 1:	Summary of Approved Residential and Non-Residential Risk Reduction Standards
Figure 1:	Horizontal Soil Delineation Adjacent to Norfolk Southern Right of Way – February 10, 2017
Attachment A:	Laboratory Analytical Report – February 10, 2017 – Horizontal Soil Delineation Adjacent to Norfolk Southern Right of Way

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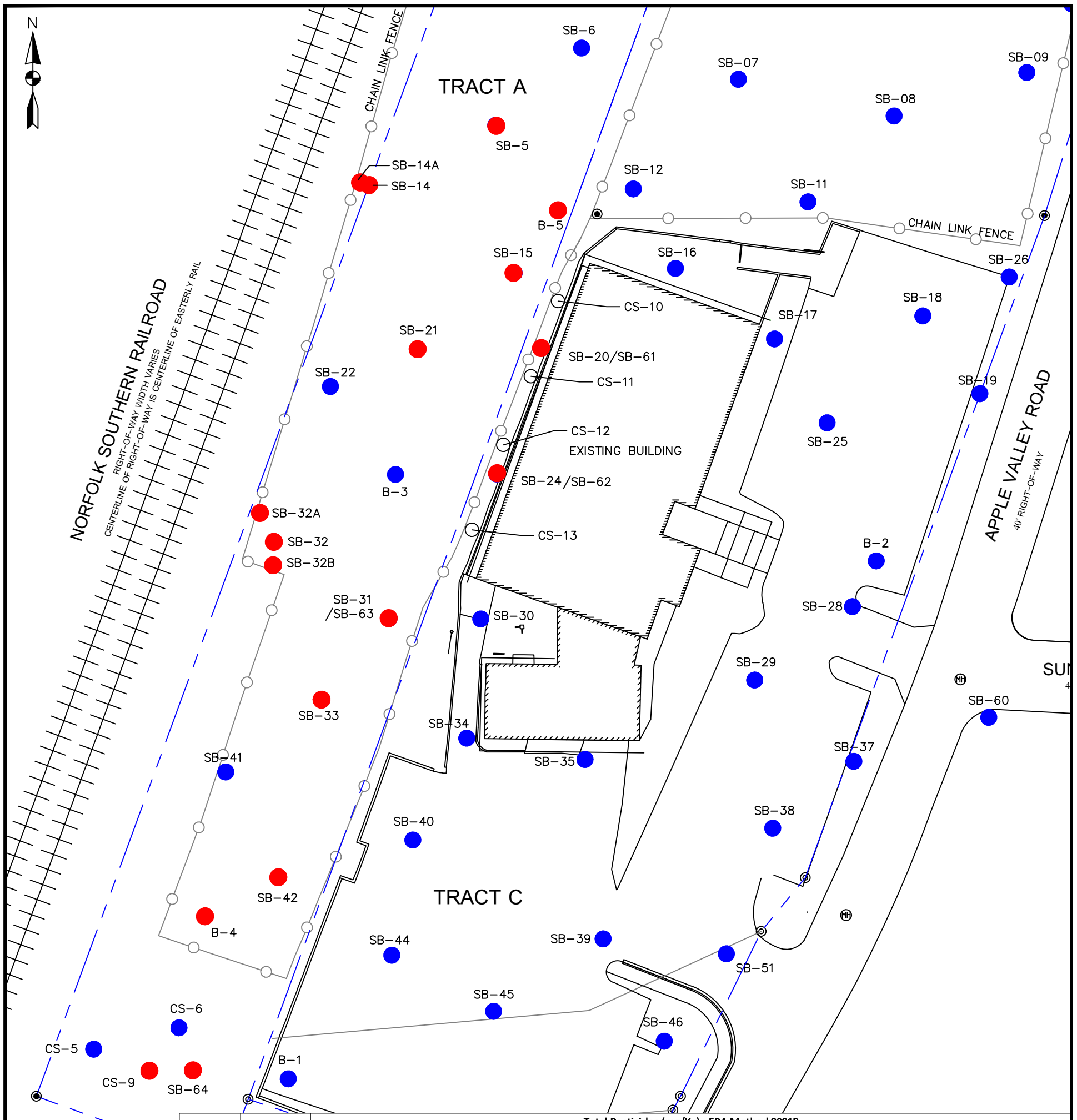
TABLES

TABLE 1 SUMMARY OF APPROVED RESIDENTIAL AND NON-RESIDENTIAL RISK REDUCTION STANDARDS		
Regulated Substance (mg/Kg)	**Type 1** (Residential)	**Type 4** (Non-Residential)
4,4'-DDD	0.66	56.1
4,4'-DDE	0.66	39.6
4,4'-DDT	0.66	56.8
Aldrin	0.66	--
Chlordane	9.2	11.1
Dieldrin	0.66	0.14
Endosulfan I	10	--
Endrin	10	--
gamma-BHC	0.66	--
Heptachlor	0.66	1.05
Heptachlor epoxide	1.64	0.13

Notes
mg/Kg - milligram per kilogram
-- Not calculated

FIGURES



Sample ID	Depth (ft, bgs)	Total Pesticides (mg/Kg) - EPA Method 8081B										
		4,4´-DDD	4,4´-DDE	4,4´-DDT	alpha-Chlordane	Chlordane	Dieldrin	Endrin	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor epoxide
Type 1 RRS (mg/Kg)		0.66	0.66	0.66	--	9.2	0.66	10	0.66	--	0.66	1.64
Type 4 RRS (mg/Kg)		56.1	39.6	56.8	--	11.1	0.14	--	--	--	1.05	0.13
SB-14A	0-2'	0.083	0.86	0.59	6.6	**48**	**0.80**	0.30	0.0072	8.1	0.73	< 0.0019
SB-32A	0-2'	0.091	0.91	2.4	7.7	**66**	**0.76**	0.18	0.0051	12	**1.5**	**0.66**
SB-32B	0-2'	0.016	0.12	0.25	1.6	**12**	0.12	0.055	0.0017	2.0	0.049	0.11

Notes

Only detected chlorinated pesticides shown; results for remaining constituents were not detected.

-- Not calculated

mg/Kg - milligrams per kilogram

bgs - below ground surface

RRS - risk reduction standard

Bold - concentration exceeds residentital Type 4 RRS

LEGEND

SB-64 SOIL BORING LOCATION – EXCEEDS RRS

SB-47 SOIL BORING LOCATION – DOES NOT EXCEED RRS

0 20 40 80

SCALE IN FEET

SURVEY NOTES

1. THIS SURVEY WAS MADE ON THE GROUND USING A CARLSON NETWORK CORRECTED RTK RECEIVER, A SOUTH 2 SECOND TOTAL STATION AND A STEEL TAPE.

2. THE MAXIMUM RELATIVE POSITIONAL ERROR WAS COMPUTED TO BE 0.06 FEET AND WAS ADJUSTED USING NETWORK LEAST SQUARES METHOD.

3. THE DISTANCES AND AREAS SHOWN ON THIS SURVEY GROUND. THE COMBINED GRID FACTOR USED IS 0.99986. THE BASIS OF BEARING IS GEORGIA STATE PLANE COORDINATE SYSTEM WEST ZONE.

SOURCE: LANDMAN INC. dba LAND DEVELOPING CO. BOUNDARY SURVEY (3/27/2014)

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA
DEKALB COUNTY
HSI SITE NUMBER 10612
PROJECT NO. 02.20140272.00

EARTHCON®
EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

HORIZONTAL SOIL DELINEATION ADJACENT TO NORFOLK SOUTHERN RIGHT OF WAY
FEBRUARY 10, 2017

DB-5

DRAWN:	CHECKED:	DATE:	FIGURE:
SNW	RKS	FEB 23, 2017	1

FILENAME: summary report_aoc delineation.dwg

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APPENDIX A

LABORATORY ANALYTICAL RESULTS
FEBRUARY 10, 2017
HORIZONTAL SOIL DELINEATION
ADJACENT TO NORFOLK SOUTHERN R/W

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

February 17, 2017

Samantha Woolf
EarthCon Consultants, Inc.
1880 West Oak Parkway
Marietta GA 30062

TEL: (770) 973-2100
FAX: (770) 973-7395

RE: DPW Brookhaven

Dear Samantha Woolf: Order No: 1702935

Analytical Environmental Services, Inc. received 3 samples on February 10, 2017 2:42 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

Chris Pafford
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1702935

Attn: Chris Pafford

Date: 2/10/17 Page 1 of 1

COMPANY: Earth Con Consultants

ADDRESS: 1880 West Oak Parkway Building 100, Suite 106 Marietta, GA 30062

PHONE: 770-973-2100

FAX: 770-973-7395

SAMPLED BY: Robert Andrews

SIGNATURE:

ANALYSIS REQUESTED: Chlorinated Pesticides

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

PRESERVATION (See codes)

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION	REMARKS	No # of Containers
1	SB-14A	2/10/17	1145		X	SO	I		1
2	SB-32A	↓	1255		↓	↓	I		1
3	SA-32B	↓	1330		↓	↓	I		1
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	02/10/17 1442	1: Denisa Omasa	2/10/17 14:42
2:		2:	
3:		3:	

PROJECT INFORMATION

PROJECT NAME: DPW Brookhaven

PROJECT #: 02.2114.0272.00

SITE ADDRESS: 2600 Apple Valley Rd. Brookhaven, Atlanta, GA 30319

SEND REPORT TO: Russ Schleit & Samantha Woolf

INVOICE TO: (IF DIFFERENT FROM ABOVE) Samantha Woolf

QUOTE #: PO#:

RECEIPT

Total # of Containers

Turnaround Time Request
- (X) Standard 5 Business Days
- ( ) 2 Business Day Rush
- ( ) Next Business Day Rush
- ( ) Same Day Rush (auth req.)
- ( ) Other

STATE PROGRAM (if any):

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

(CLIENT) FedEx UPS MAIL COURIER GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 17-Feb-17

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-14A
Project Name:	DPW Brookhaven	**Collection Date:**	2/10/2017 11:45:00 AM
Lab ID:	1702935-001	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				(SW3550C)					
4,4'-DDD	0.083		0.00071	0.0037	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
4,4'-DDE	0.86		0.087	0.37	mg/Kg-dry	237945	100	02/16/2017 19:20	SH
4,4'-DDT	0.59		0.084	0.37	mg/Kg-dry	237945	100	02/16/2017 19:20	SH
Aldrin	BRL		0.00082	0.0019	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
alpha-BHC	BRL		0.00089	0.0019	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
alpha-Chlordane	6.6		0.16	0.37	mg/Kg-dry	237945	200	02/16/2017 19:53	SH
beta-BHC	BRL		0.00059	0.0019	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
Chlordane	48		0.69	3.7	mg/Kg-dry	237945	100	02/16/2017 19:20	SH
delta-BHC	BRL		0.00071	0.0019	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
Dieldrin	0.80		0.077	0.37	mg/Kg-dry	237945	100	02/16/2017 19:20	SH
Endosulfan I	BRL		0.00081	0.0019	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
Endosulfan II	BRL		0.00082	0.0037	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
Endosulfan sulfate	BRL		0.00083	0.0037	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
Endrin	0.30	J	0.085	0.37	mg/Kg-dry	237945	100	02/16/2017 19:20	SH
Endrin aldehyde	BRL		0.00083	0.0037	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
Endrin ketone	BRL		0.00072	0.0037	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
gamma-BHC	0.0072		0.00066	0.0019	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
gamma-Chlordane	8.1		0.15	0.37	mg/Kg-dry	237945	200	02/16/2017 19:53	SH
Heptachlor	0.73		0.082	0.19	mg/Kg-dry	237945	100	02/16/2017 19:20	SH
Heptachlor epoxide	BRL		0.00082	0.0019	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
Methoxychlor	BRL		0.0025	0.019	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
Toxaphene	BRL		0.0091	0.19	mg/Kg-dry	237945	1	02/16/2017 18:47	SH
Surr: Decachlorobiphenyl	85.6		0	45-128	%REC	237945	1	02/16/2017 18:47	SH
Surr: Tetrachloro-m-xylene	79.1		0	46-120	%REC	237945	1	02/16/2017 18:47	SH
PERCENT MOISTURE D2216									
Percent Moisture	9.81		0	0	wt%	R336540	1	02/15/2017 15:00	BD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc

Date: 17-Feb-17

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-32A
Project Name:	DPW Brookhaven	**Collection Date:**	2/10/2017 12:55:00 PM
Lab ID:	1702935-002	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				(SW3550C)					
4,4'-DDD	0.091		0.00069	0.0036	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
4,4'-DDE	0.91		0.084	0.36	mg/Kg-dry	237945	100	02/16/2017 19:31	SH
4,4'-DDT	2.4		0.081	0.36	mg/Kg-dry	237945	100	02/16/2017 19:31	SH
Aldrin	BRL		0.00080	0.0018	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
alpha-BHC	BRL		0.00086	0.0018	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
alpha-Chlordane	7.7		0.38	0.90	mg/Kg-dry	237945	500	02/16/2017 20:04	SH
beta-BHC	BRL		0.00058	0.0018	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
Chlordane	66		0.67	3.6	mg/Kg-dry	237945	100	02/16/2017 19:31	SH
delta-BHC	BRL		0.00069	0.0018	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
Dieldrin	0.76		0.075	0.36	mg/Kg-dry	237945	100	02/16/2017 19:31	SH
Endosulfan I	BRL		0.00079	0.0018	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
Endosulfan II	BRL		0.00080	0.0036	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
Endosulfan sulfate	BRL		0.00080	0.0036	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
Endrin	0.18	J	0.083	0.36	mg/Kg-dry	237945	100	02/16/2017 19:31	SH
Endrin aldehyde	BRL		0.00081	0.0036	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
Endrin ketone	BRL		0.00070	0.0036	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
gamma-BHC	0.0051		0.00064	0.0018	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
gamma-Chlordane	12		0.36	0.90	mg/Kg-dry	237945	500	02/16/2017 20:04	SH
Heptachlor	1.5		0.079	0.18	mg/Kg-dry	237945	100	02/16/2017 19:31	SH
Heptachlor epoxide	0.66		0.079	0.18	mg/Kg-dry	237945	100	02/16/2017 19:31	SH
Methoxychlor	BRL		0.0024	0.018	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
Toxaphene	BRL		0.0088	0.18	mg/Kg-dry	237945	1	02/16/2017 18:58	SH
Surr: Decachlorobiphenyl	111		0	45-128	%REC	237945	1	02/16/2017 18:58	SH
Surr: Tetrachloro-m-xylene	59.2		0	46-120	%REC	237945	1	02/16/2017 18:58	SH
PERCENT MOISTURE D2216									
Percent Moisture	6.97		0	0	wt%	R336540	1	02/15/2017 15:00	BD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Analytical Environmental Services, Inc **Date:** 17-Feb-17

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-32B
Project Name:	DPW Brookhaven	**Collection Date:**	2/10/2017 1:30:00 PM
Lab ID:	1702935-003	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
CHLORINATED PESTICIDES SW8081B				(SW3550C)					
4,4'-DDD	0.016		0.00081	0.0042	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
4,4'-DDE	0.12		0.020	0.084	mg/Kg-dry	237945	20	02/16/2017 19:42	SH
4,4'-DDT	0.25		0.019	0.084	mg/Kg-dry	237945	20	02/16/2017 19:42	SH
Aldrin	BRL		0.00094	0.0021	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
alpha-BHC	BRL		0.0010	0.0021	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
alpha-Chlordane	1.6	*	0.090	0.21	mg/Kg-dry	237945	100	02/16/2017 20:15	SH
beta-BHC	BRL		0.00067	0.0021	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Chlordane	12		0.16	0.84	mg/Kg-dry	237945	20	02/16/2017 19:42	SH
delta-BHC	BRL		0.00081	0.0021	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Dieldrin	0.12		0.00088	0.0042	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Endosulfan I	BRL		0.00092	0.0021	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Endosulfan II	BRL		0.00094	0.0042	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Endosulfan sulfate	BRL		0.00094	0.0042	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Endrin	0.055		0.00097	0.0042	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Endrin aldehyde	BRL		0.00095	0.0042	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Endrin ketone	BRL		0.00082	0.0042	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
gamma-BHC	0.0017	J	0.00075	0.0021	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
gamma-Chlordane	2.0		0.085	0.21	mg/Kg-dry	237945	100	02/16/2017 20:15	SH
Heptachlor	0.049		0.00093	0.0021	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Heptachlor epoxide	0.11		0.019	0.042	mg/Kg-dry	237945	20	02/16/2017 19:42	SH
Methoxychlor	BRL		0.0028	0.021	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Toxaphene	BRL		0.010	0.21	mg/Kg-dry	237945	1	02/16/2017 19:09	SH
Surr: Decachlorobiphenyl	65		0	45-128	%REC	237945	1	02/16/2017 19:09	SH
Surr: Tetrachloro-m-xylene	72.9		0	46-120	%REC	237945	1	02/16/2017 19:09	SH
PERCENT MOISTURE D2216									
Percent Moisture	20.5		0	0	wt%	R336540	1	02/15/2017 15:00	BD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Not detected at MDL
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- NC Not confirmed
- E Estimated value above quantitation range
- S Spike Recovery outside limits due to matrix
- J Estimated value detected below Reporting Limit
- > Greater than Result value
- < Less than Result value
- Narr See case narrative

Clear Save as

AES | ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **EARTHCON CONSULTANTS** AES Work Order Number: **1702935**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ☒ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	◉	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	◉	○	○		
5.	Custody seals intact on shipping container?	◉	○	○		
6.	Temperature blanks present?	◉	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	◉	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 0.4 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 2/10/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	◉		
26.	Were trip blanks submitted?	○	○	◉	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). AJ 2/11/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	○	○	◉		
29.	Containers meet preservation guidelines?	○	○	◉		
30.	Was pH adjusted?	○	○	◉		

I certify that I have completed sections 28-30 (dated initials). AJ 2/11/17

Locked

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1702935

ANALYTICAL QC SUMMARY REPORT

BatchID: 237945

Sample ID: MB-237945	Client ID:	Units: ug/Kg	Prep Date: 02/14/2017	Run No: 336488	
SampleType: MBLK	TestCode: CHLORINATED PESTICIDES SW8081B	BatchID: 237945	Analysis Date: 02/14/2017	Seq No: 7350080	

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDD	BRL	3.3									
4,4'-DDE	BRL	3.3									
4,4'-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
Chlordane	BRL	33									
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Methoxychlor	BRL	17									
Toxaphene	BRL	170									
Surr: Decachlorobiphenyl	13.05	0	16.67		78.3	45	128				
Surr: Tetrachloro-m-xylene	13.50	0	16.67		81.0	46	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1702935

ANALYTICAL QC SUMMARY REPORT

BatchID: 237945

Sample ID: LCS-237945	Client ID:	Units: ug/Kg	Prep Date: 02/14/2017	Run No: 336488
SampleType: LCS	TestCode: CHLORINATED PESTICIDES SW8081B	BatchID: 237945	Analysis Date: 02/14/2017	Seq No: 7350081

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDT	24.65	3.3	33.33		73.9	70.3	129				
Aldrin	23.59	1.7	33.33		70.8	57.8	120				
Dieldrin	23.47	3.3	33.33		70.4	66.3	118				
Endrin	26.21	3.3	33.33		78.6	66.9	130				
gamma-BHC	23.89	1.7	33.33		71.7	58.7	119				
Heptachlor	25.34	1.7	33.33		76.0	60.3	120				
Surr: Decachlorobiphenyl	10.97	0	16.67		65.8	45	128				
Surr: Tetrachloro-m-xylene	11.13	0	16.67		66.8	46	120				

Sample ID: 1702960-002AMS	Client ID:	Units: ug/Kg-dry	Prep Date: 02/14/2017	Run No: 336488
SampleType: MS	TestCode: CHLORINATED PESTICIDES SW8081B	BatchID: 237945	Analysis Date: 02/14/2017	Seq No: 7350083

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDT	26.64	3.8	38.09		69.9	47.4	135				
Aldrin	26.49	1.9	38.09		69.5	56.8	120				
Dieldrin	25.34	3.8	38.09		66.5	54.9	122				
Endrin	28.71	3.8	38.09		75.4	61.7	127				
gamma-BHC	26.90	1.9	38.09		70.6	59.4	120				
Heptachlor	28.37	1.9	38.09	0.9749	71.9	53.7	124				
Surr: Decachlorobiphenyl	10.67	0	19.05		56.0	45	128				
Surr: Tetrachloro-m-xylene	12.49	0	19.05		65.6	46	120				

Sample ID: 1702960-002AMSD	Client ID:	Units: ug/Kg-dry	Prep Date: 02/14/2017	Run No: 336488
SampleType: MSD	TestCode: CHLORINATED PESTICIDES SW8081B	BatchID: 237945	Analysis Date: 02/14/2017	Seq No: 7350084

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4'-DDT	28.07	3.8	38.09		73.7	47.4	135	26.64	5.25	26.8	
Aldrin	27.69	1.9	38.09		72.7	56.8	120	26.49	4.44	27.6	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 17-Feb-17

Client: EarthCon Consultants, Inc.
Project Name: DPW Brookhaven
Workorder: 1702935

ANALYTICAL QC SUMMARY REPORT

BatchID: 237945

Sample ID: 1702960-002AMSD | Client ID: | Units: ug/Kg-dry | Prep Date: 02/14/2017 | Run No: 336488
SampleType: MSD | TestCode: CHLORINATED PESTICIDES SW8081B | BatchID: 237945 | Analysis Date: 02/14/2017 | Seq No: 7350084

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dieldrin	26.58	3.8	38.09		69.8	54.9	122	25.34	4.79	23.7	
Endrin	30.48	3.8	38.09		80.0	61.7	127	28.71	5.99	25.8	
gamma-BHC	28.22	1.9	38.09		74.1	59.4	120	26.90	4.80	25.2	
Heptachlor	29.98	1.9	38.09	0.9749	76.1	53.7	124	28.37	5.52	25	
Surr: Decachlorobiphenyl	11.34	0	19.05		59.5	45	128	10.67	0	30	
Surr: Tetrachloro-m-xylene	13.36	0	19.05		70.1	46	120	12.49	0	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX J

Summary of Soil Delineation Sampling in Norfolk Southern R/W, Sampling Completed in September 2017

EARTHCON®
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www.earthcon.com

November 10, 2017

Mr. Gary Rogers
Environmental Manager
Rollins, Inc.
2170 Piedmont Road NE
Atlanta, Georgia 30324

Subject: **Summary of Soil Delineation Sampling in Norfolk Southern R/W**
Sampling Completed in September 2017
Dettelbach Pesticide Warehouse Site, HSI No. 10612
1251 Park Avenue, Atlanta, DeKalb County, Georgia
EarthCon Project No. 02.20140272.00

Dear Mr. Rogers:

EarthCon Consultants, Inc. (EarthCon) is pleased to provide this letter report to summarize the soil sampling activities conducted at the Dettelbach Pesticide Warehouse (DPW) property, located at 1251 Park Avenue in Atlanta (Brookhaven), DeKalb County, Georgia.

Sampling conducted on February 10, 2017 within the property boundary and along the western property line near previous sample locations SB-14 and SB-32 did not horizontally delineate the western extent of impacted soils. Therefore, as discussed in a meeting with Georgia Environmental Protection Division (EPD) on January 17, 2017, Norfolk Southern (NS) was contacted to obtain permission to collect soil samples within a ditch located in their Right-of-Way (R/W) adjacent to the western property line. Storm water flows in the ditch from the northeast to the southwest (from SB-14 to SB-32). Additional soil sampling was conducted in September 2017 within the NS R/W to determine the extent of soil containing pesticide concentrations that exceed the residential and non-residential risk reduction standards (RRS). The approved RRS for this site are included on Table 1 of this report.

Horizontal and Vertical Soil Delineation – Norfolk Southern Right-of-Way

On September 22, 2017, soil sampling was conducted along the western property line within the NS R/W and southwest of previously collected samples SB-14A, SB-32A, and SB-32B. Surface and subsurface grab soil samples were collected from hand auger boring SB-14B at depths of 0 to 1 foot below ground surface (bgs) and 4 to 5 feet bgs, respectively. Surface and subsurface grab soil samples were collected from hand auger boring SB-32C at depths of 1.5 to 2.5 feet bgs (gravel extended from 0 to 1.5 feet bgs) and 4 to 5 feet bgs, respectively. The four grab samples were analyzed for total pesticides via EPA Method 8081B. The boring locations are shown on Figure 1.

Results of the additional soil sampling indicate that concentrations for the surface soil sample collected from SB-14B exceed the approved Type 1 and 4 RRS for chlordane. The concentrations for the subsurface soil sample collected from SB-14B and the surface and subsurface soil samples collected at SB-32C are below the approved Type 1 RRS for all pesticides analyzed.

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The laboratory analytical report for the soil delineation activities is provided as Attachment A. Based on these results, and considering that storm water flows from the northeast to the southwest in the ditch, the extent of pesticides detected in the Norfolk Southern R/W has been delineated in the direction downstream from these previous detections.

EarthCon appreciates the opportunity to assist Rollins with this project. If you have any questions regarding this summary letter, please feel free to contact the undersigned at (770) 973-2100.

Sincerely,

R. Jessica Turner, P.G.
Senior Geologist

Russell K. Schlecht, P.E.
Principal Engineer

Attachments

Table 1:	Summary of Approved Residential and Non-Residential Risk Reduction Standards
Figure 1:	Soil Delineation Within the Norfolk Southern Right of Way, September 22, 2017
Attachment A:	Laboratory Analytical Report, October 2, 2017, Soil Delineation Within Norfolk Southern Right of Way

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Environmental Challenges
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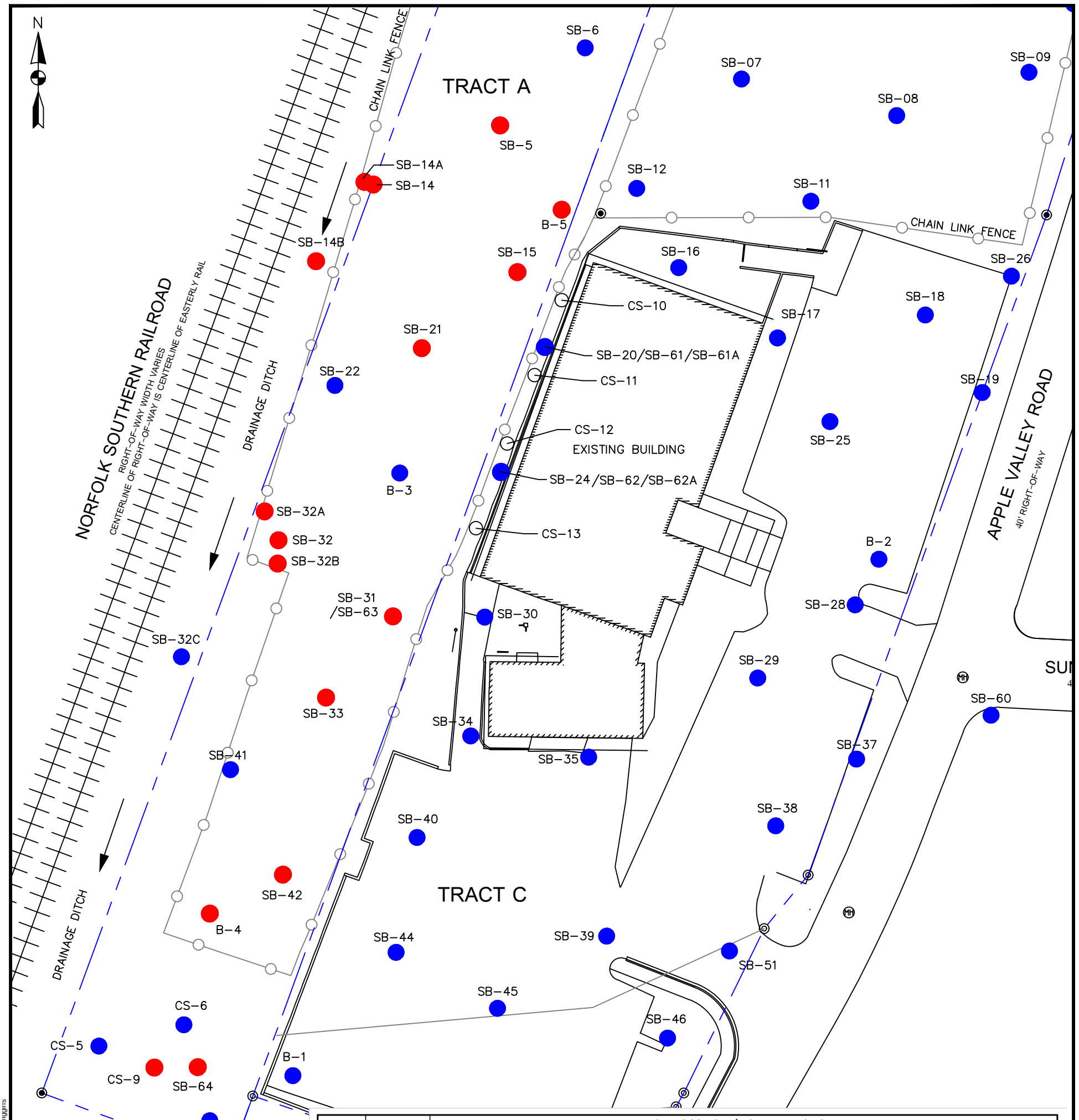
TABLE 1
SUMMARY OF APPROVED RESIDENTIAL AND NON-RESIDENTIAL RISK REDUCTION STANDARDS

Regulated Substance (mg/Kg)	**Type 1** (Residential)	**Type 4** (Non-Residential)
4,4'-DDD	0.66	56.1
4,4'-DDE	0.66	39.6
4,4'-DDT	0.66	56.8
Aldrin	0.66	--
Chlordane	9.2	11.1
Dieldrin	0.66	0.14
Endosulfan I	10	--
Endrin	10	--
gamma-BHC	0.66	--
Heptachlor	0.66	1.05
Heptachlor epoxide	1.64	0.13

Notes
mg/Kg - milligram per kilogram
-- Not calculated



Sample ID	Depth (ft, bgs)	Total Pesticides (mg/Kg) - EPA Method 8081B									
		4,4´-DDD	4,4´-DDE	4,4´-DDT	alpha-Chlordane	Chlordane	Dieldrin	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor epoxide
	Type 1 RRS (mg/Kg)	0.66	0.66	0.66	--	9.2	0.66	0.66	--	0.66	1.64
	Type 4 RRS (mg/Kg)	56.1	39.6	56.8	--	11.1	0.14	--	--	1.05	0.13
SB-14B	0-1'	0.29	ND	0.19	1.8	**15**	0.29	ND	2.6	ND	ND
SB-14B	4-5'	0.053	ND	0.17	0.18	1.3	0.015	ND	0.22	ND	ND
SB-32C	1.5-2.5'	0.045	0.082	0.12	1.0	7.4	0.18	0.0036	1.2	0.059	0.028
SB-32C	4-5'	ND	ND	0.0063	0.11	0.71	0.017	ND	0.14	0.0084	0.0066

Notes

Only detected chlorinated pesticides shown; results for remaining analytes were not detected.

-- Not calculated

mg/Kg - milligrams per kilogram

bgs - below ground surface

RRS - risk reduction standard

ND - Not detected above laboratory reporting limit

Bold - concentration exceeds RRS

LEGEND

SB-64 SOIL BORING LOCATION – EXCEEDS RRS

SB-47 SOIL BORING LOCATION – DOES NOT EXCEED RRS

DIRECTION OF SURFACE WATER FLOW

SOURCE: LANDMAN INC. dba LAND DEVELOPING CO. BOUNDARY SURVEY (3/27/2014)

0 20 40 80

SCALE IN FEET

SURVEY NOTES

1. THIS SURVEY WAS MADE ON THE GROUND USING A CARLSON NETWORK CORRECTED RTK RECEIVER, A SOUTH 2 SECOND TOTAL STATION AND A STEEL TAPE.

2. THE MAXIMUM RELATIVE POSITIONAL ERROR WAS COMPUTED TO BE 0.06 FEET AND WAS ADJUSTED USING NETWORK LEAST SQUARES METHOD.

3. THE DISTANCES AND AREAS SHOWN ON THIS SURVEY GROUND. THE COMBINED GRID FACTOR USED IS 0.99986. THE BASIS OF BEARING IS GEORGIA STATE PLANE COORDINATE SYSTEM WEST ZONE.

DETTELBACH PESTICIDE WAREHOUSE

ATLANTA (BROOKHAVEN), GEORGIA
DEKALB COUNTY
HSI SITE NUMBER 10612
PROJECT NO. 02.20140272.00

EARTHCON®
EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

SOIL DELINEATION IN NORFOLK SOUTHERN RIGHT OF WAY SEPTEMBER 22, 2017

DRAWN:	CHECKED:	DATE:	FIGURE:
JMW	RJT	NOV 10, 2017	1

FILENAME: S:\Active Projects\Documents\Dettelbach Pesticide Warehouse\Remedy Implementation\Figures\Summary Report_Add Delineation.dwg (Fig-1) - 07 OCT 17 8:50am - jwiggins

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AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 02, 2017

Jessica Turner
EarthCon Consultants, Inc.

1880 West Oak Parkway
Marietta GA 30062

RE: Dettleback Pesticide Warehouse

Dear Jessica Turner: Order No: 1709K85

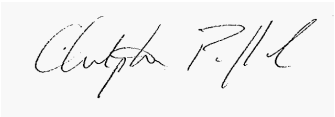
Analytical Environmental Services, Inc. received 4 samples on September 22, 2017 12:25 pm for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,



Chris Pafford

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1709K85

Date: 9/22/17 Page 1 of 1

COMPANY: EarthCon Consultants
ADDRESS: 1880 West Oak Pkwy Bldg 100 Suite 106 Marietta, GA 30062
PHONE: 770-973-2100
EMAIL: jturner@earthcon.com
SAMPLED BY: Keaton Henry/Joanna Wiggins
SIGNATURE:

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	GRAB	COMPOSITE	MATRIX (see codes)	Chlorinated Pesticides	PRESERVATION (see codes)	REMARKS	Number of Containers
1	SB-14B-SUR	9/22/17	9:45		X	SO	1	I		1
2	SB-14B-SUBSUR	9/22/17	10:05		X	SO	1	I		1
3	SB-32C-SUR	9/22/17	11:15		X	SO	1	I		1
4	SB-32C-SUBSUR	9/22/17	11:20		X	SO	1	I		1
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

ANALYSIS REQUESTED

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	9/22/17 12:25	1.	9/22/17 1225
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier Greyhound
other: _____

PROJECT INFORMATION
PROJECT NAME: Pettlebach Pesticide Warehouse
PROJECT #: 02.20140272.00
SITE ADDRESS:
SEND REPORT TO: Jessica Turner
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 4

Turnaround Time (TAT) Request
- [x] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

STATE PROGRAM (if any): _____
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 2-Oct-17

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-14B-SUR
Project Name:	Dettleback Pesticide Warehouse	**Collection Date:**	9/22/2017 9:45:00 AM
Lab ID:	1709K85-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
4,4´-DDD	0.29	0.18		mg/Kg-dry	248880	50	09/27/2017 17:15	SH
4,4´-DDE	BRL	0.18		mg/Kg-dry	248880	50	09/27/2017 17:15	SH
4,4´-DDT	0.19	0.18		mg/Kg-dry	248880	50	09/27/2017 17:15	SH
Aldrin	BRL	0.0018		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
alpha-BHC	BRL	0.0018		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
alpha-Chlordane	1.8	0.092		mg/Kg-dry	248880	50	09/27/2017 17:15	SH
beta-BHC	BRL	0.0018		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
delta-BHC	BRL	0.0018		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
Dieldrin	0.29	0.18		mg/Kg-dry	248880	50	09/27/2017 17:15	SH
Endosulfan I	BRL	0.0018		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
Endosulfan II	BRL	0.0037		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
Endosulfan sulfate	BRL	0.0037		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
Endrin	BRL	0.0037		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
Endrin aldehyde	BRL	0.0037		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
Endrin ketone	BRL	0.0037		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
gamma-BHC	BRL	0.0018		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
gamma-Chlordane	2.6	0.092		mg/Kg-dry	248880	50	09/27/2017 17:15	SH
Heptachlor	BRL	0.0018		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
Heptachlor epoxide	BRL	0.0018		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
Methoxychlor	BRL	0.018		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
Toxaphene	BRL	0.18		mg/Kg-dry	248880	1	09/27/2017 13:22	SH
Surr: Decachlorobiphenyl	92.9	45-128		%REC	248880	1	09/27/2017 13:22	SH
Surr: Tetrachloro-m-xylene	70.1	46-120		%REC	248880	1	09/27/2017 13:22	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
Chlordane	15	1.8		mg/Kg-dry	248880	50	09/27/2017 17:15	SH
Surr: Decachlorobiphenyl	0	45-128	S	%REC	248880	50	09/27/2017 17:15	SH
Surr: Tetrachloro-m-xylene	0	46-120	S	%REC	248880	50	09/27/2017 17:15	SH
PERCENT MOISTURE D2216								
Percent Moisture	9.61	0		wt%	R352932	1	09/26/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Oct-17

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-14B-SUBSUR
Project Name:	Dettleback Pesticide Warehouse	**Collection Date:**	9/22/2017 10:05:00 AM
Lab ID:	1709K85-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
4,4′-DDD	0.053	0.0041		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
4,4′-DDE	BRL	0.0041		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
4,4′-DDT	0.17	0.020		mg/Kg-dry	248880	5	09/27/2017 17:26	SH
Aldrin	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
alpha-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
alpha-Chlordane	0.18	0.010		mg/Kg-dry	248880	5	09/27/2017 17:26	SH
beta-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
delta-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Dieldrin	0.015	0.0041		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Endosulfan I	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Endosulfan II	BRL	0.0041		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Endosulfan sulfate	BRL	0.0041		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Endrin	BRL	0.0041		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Endrin aldehyde	BRL	0.0041		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Endrin ketone	BRL	0.0041		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
gamma-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
gamma-Chlordane	0.22	0.010		mg/Kg-dry	248880	5	09/27/2017 17:26	SH
Heptachlor	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Heptachlor epoxide	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Methoxychlor	BRL	0.020		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Toxaphene	BRL	0.20		mg/Kg-dry	248880	1	09/27/2017 13:37	SH
Surr: Decachlorobiphenyl	90.5	45-128		%REC	248880	1	09/27/2017 13:37	SH
Surr: Tetrachloro-m-xylene	88.8	46-120		%REC	248880	1	09/27/2017 13:37	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
Chlordane	1.3	0.20		mg/Kg-dry	248880	5	09/27/2017 17:26	SH
Surr: Decachlorobiphenyl	0	45-128	S	%REC	248880	5	09/27/2017 17:26	SH
Surr: Tetrachloro-m-xylene	0	46-120	S	%REC	248880	5	09/27/2017 17:26	SH
PERCENT MOISTURE D2216								
Percent Moisture	18.0	0		wt%	R352932	1	09/26/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Oct-17

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-32C-SUR
Project Name:	Dettleback Pesticide Warehouse	**Collection Date:**	9/22/2017 11:15:00 AM
Lab ID:	1709K85-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
4,4´-DDD	0.045	0.0040		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
4,4´-DDE	0.082	0.080		mg/Kg-dry	248880	20	09/27/2017 17:37	SH
4,4´-DDT	0.12	0.0040		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
Aldrin	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
alpha-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
alpha-Chlordane	1.0	0.040		mg/Kg-dry	248880	20	09/27/2017 17:37	SH
beta-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
delta-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
Dieldrin	0.18	0.080		mg/Kg-dry	248880	20	09/27/2017 17:37	SH
Endosulfan I	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
Endosulfan II	BRL	0.0040		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
Endosulfan sulfate	BRL	0.0040		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
Endrin	BRL	0.0040		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
Endrin aldehyde	BRL	0.0040		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
Endrin ketone	BRL	0.0040		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
gamma-BHC	0.0036	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
gamma-Chlordane	1.2	0.080		mg/Kg-dry	248880	40	09/27/2017 18:22	SH
Heptachlor	0.059	0.040		mg/Kg-dry	248880	20	09/27/2017 17:37	SH
Heptachlor epoxide	0.028	0.0020		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
Methoxychlor	BRL	0.020		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
Toxaphene	BRL	0.20		mg/Kg-dry	248880	1	09/27/2017 13:54	SH
Surr: Decachlorobiphenyl	98.2	45-128		%REC	248880	1	09/27/2017 13:54	SH
Surr: Tetrachloro-m-xylene	64.9	46-120		%REC	248880	1	09/27/2017 13:54	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
Chlordane	7.4	0.80		mg/Kg-dry	248880	20	09/27/2017 17:37	SH
Surr: Decachlorobiphenyl	0	45-128	S	%REC	248880	20	09/27/2017 17:37	SH
Surr: Tetrachloro-m-xylene	0	46-120	S	%REC	248880	20	09/27/2017 17:37	SH
PERCENT MOISTURE D2216								
Percent Moisture	16.5	0		wt%	R352932	1	09/26/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Oct-17

Client:	EarthCon Consultants, Inc.	**Client Sample ID:**	SB-32C-SUBSUR
Project Name:	Dettleback Pesticide Warehouse	**Collection Date:**	9/22/2017 11:20:00 AM
Lab ID:	1709K85-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, TCL SW8081B				**(SW3550C)**				
4,4´-DDD	BRL	0.0039		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
4,4´-DDE	BRL	0.0039		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
4,4´-DDT	0.0063	0.0039		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Aldrin	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
alpha-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
alpha-Chlordane	0.11	0.0098		mg/Kg-dry	248880	5	09/27/2017 18:33	SH
beta-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
delta-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Dieldrin	0.017	0.0039		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Endosulfan I	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Endosulfan II	BRL	0.0039		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Endosulfan sulfate	BRL	0.0039		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Endrin	BRL	0.0039		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Endrin aldehyde	BRL	0.0039		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Endrin ketone	BRL	0.0039		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
gamma-BHC	BRL	0.0020		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
gamma-Chlordane	0.14	0.0098		mg/Kg-dry	248880	5	09/27/2017 18:33	SH
Heptachlor	0.0084	0.0020		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Heptachlor epoxide	0.0066	0.0020		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Methoxychlor	BRL	0.020		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Toxaphene	BRL	0.20		mg/Kg-dry	248880	1	09/27/2017 14:09	SH
Surr: Decachlorobiphenyl	92.4	45-128		%REC	248880	1	09/27/2017 14:09	SH
Surr: Tetrachloro-m-xylene	53.9	46-120		%REC	248880	1	09/27/2017 14:09	SH
CHLORINATED PESTICIDES SW8081B				**(SW3550C)**				
Chlordane	0.71	0.20		mg/Kg-dry	248880	5	09/27/2017 18:33	SH
Surr: Decachlorobiphenyl	0	45-128	S	%REC	248880	1	09/27/2017 17:48	SH
Surr: Decachlorobiphenyl	0	45-128	S	%REC	248880	5	09/27/2017 18:33	SH
Surr: Tetrachloro-m-xylene	0	46-120	S	%REC	248880	1	09/27/2017 17:48	SH
Surr: Tetrachloro-m-xylene	0	46-120	S	%REC	248880	5	09/27/2017 18:33	SH
PERCENT MOISTURE D2216								
Percent Moisture	15.1	0		wt%	R352932	1	09/26/2017 13:00	OO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **EarthCon Consultants, Inc.** AES Work Order Number: **1709K85**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	●	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	●	○		
5.	Custody seals intact on shipping container?	○	○	●		
6.	Temperature blanks present?	●	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	●	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	●	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	●	○	○		
10.	Sampler name and/or signature on COC?	●	○	○		
11.	Were all samples received within holding time?	●	○	○		
12.	TAT marked on the COC?	●	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 4.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 9/22/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	●		
26.	Were trip blanks submitted?	○	○	●	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). AJ 9/22/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	●		
29.	Containers meet preservation guidelines?	○	○	●		
30.	Was pH adjusted at Sample Receipt?	○	○	●		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). AJ 9/22/17

Locked

Client: EarthCon Consultants, Inc.
Project Name: Dettleback Pesticide Warehouse
Workorder: 1709K85

ANALYTICAL QC SUMMARY REPORT

BatchID: 248880

Sample ID: **MB-248880** Client ID: Units: **ug/Kg** Prep Date: **09/26/2017** Run No: **353118**
SampleType: **MBLK** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **248880** Analysis Date: **09/27/2017** Seq No: **7767491**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDD	BRL	3.3									
4,4´-DDE	BRL	3.3									
4,4´-DDT	BRL	3.3									
Aldrin	BRL	1.7									
alpha-BHC	BRL	1.7									
alpha-Chlordane	BRL	1.7									
beta-BHC	BRL	1.7									
delta-BHC	BRL	1.7									
Dieldrin	BRL	3.3									
Endosulfan I	BRL	1.7									
Endosulfan II	BRL	3.3									
Endosulfan sulfate	BRL	3.3									
Endrin	BRL	3.3									
Endrin aldehyde	BRL	3.3									
Endrin ketone	BRL	3.3									
gamma-BHC	BRL	1.7									
gamma-Chlordane	BRL	1.7									
Heptachlor	BRL	1.7									
Heptachlor epoxide	BRL	1.7									
Methoxychlor	BRL	17									
Toxaphene	BRL	170									
Surr: Decachlorobiphenyl	16.21	0	16.67		97.2	45	128				
Surr: Tetrachloro-m-xylene	13.95	0	16.67		83.7	46	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Dettleback Pesticide Warehouse
Workorder: 1709K85

ANALYTICAL QC SUMMARY REPORT

BatchID: 248880

Sample ID: **MB-248880**	Client ID:		Units: **ug/Kg**	Prep Date: **09/26/2017**	Run No: **353118**
SampleType: **MBLK**	TestCode: **CHLORINATED PESTICIDES SW8081B**		BatchID: **248880**	Analysis Date: **09/27/2017**	Seq No: **7771016**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	BRL	33									
Surr: Decachlorobiphenyl	16.21	0	16.67		97.2	45	128				
Surr: Tetrachloro-m-xylene	13.95	0	16.67		83.7	46	120				

Sample ID: **LCS-248880**	Client ID:		Units: **ug/Kg**	Prep Date: **09/26/2017**	Run No: **353118**
SampleType: **LCS**	TestCode: **CHLORINATED PESTICIDES, TCL SW8081B**		BatchID: **248880**	Analysis Date: **09/27/2017**	Seq No: **7767492**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	30.15	3.3	33.33		90.5	70.3	129				
Aldrin	30.26	1.7	33.33		90.8	57.8	120				
Dieldrin	30.56	3.3	33.33		91.7	66.3	118				
Endrin	31.06	3.3	33.33		93.2	66.9	130				
gamma-BHC	30.16	1.7	33.33		90.5	58.7	119				
Heptachlor	29.92	1.7	33.33		89.8	60.3	120				
Surr: Decachlorobiphenyl	15.10	0	16.67		90.6	45	128				
Surr: Tetrachloro-m-xylene	14.34	0	16.67		86.0	46	120				

Sample ID: **LCS-248880**	Client ID:		Units: **ug/Kg**	Prep Date: **09/26/2017**	Run No: **353118**
SampleType: **LCS**	TestCode: **CHLORINATED PESTICIDES SW8081B**		BatchID: **248880**	Analysis Date: **09/27/2017**	Seq No: **7771017**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Decachlorobiphenyl	15.10	0	16.67		90.6	45	128				
Surr: Tetrachloro-m-xylene	14.34	0	16.67		86.0	46	120				

Sample ID: **1709K85-004AMS**	Client ID: **SB-32C-SUBSUR**		Units: **mg/Kg-dry**	Prep Date: **09/26/2017**	Run No: **353118**
SampleType: **MS**	TestCode: **CHLORINATED PESTICIDES, TCL SW8081B**		BatchID: **248880**	Analysis Date: **09/27/2017**	Seq No: **7767498**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Dettleback Pesticide Warehouse
Workorder: 1709K85

ANALYTICAL QC SUMMARY REPORT

BatchID: 248880

Sample ID: **1709K85-004AMS** Client ID: **SB-32C-SUBSUR** Units: **mg/Kg-dry** Prep Date: **09/26/2017** Run No: **353118**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **248880** Analysis Date: **09/27/2017** Seq No: **7767498**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	0.05250	0.0039	0.0393	0.006274	118	47.4	135				
Aldrin	0.03509	0.0020	0.0393		89.4	56.8	120				
Dieldrin	0.05702	0.0039	0.0393	0.01748	101	54.9	122				
Endrin	0.03836	0.0039	0.0393		97.7	61.7	127				
gamma-BHC	0.03366	0.0020	0.0393		85.7	59.4	120				
Heptachlor	0.04505	0.0020	0.0393	0.008387	93.4	53.7	124				
Surr: Decachlorobiphenyl	0.01949	0	0.0196		99.2	45	128				
Surr: Tetrachloro-m-xylene	0.01485	0	0.0196		75.6	46	120				

Sample ID: **1709K85-004AMS** Client ID: **SB-32C-SUBSUR** Units: **mg/Kg-dry** Prep Date: **09/26/2017** Run No: **353143**
SampleType: **MS** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **248880** Analysis Date: **09/27/2017** Seq No: **7771042**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Decachlorobiphenyl	0.01417	0	0.0196		72.2	45	128				
Surr: Tetrachloro-m-xylene	0.01627	0	0.0196		82.9	46	120				

Sample ID: **1709K85-004AMSD** Client ID: **SB-32C-SUBSUR** Units: **mg/Kg-dry** Prep Date: **09/26/2017** Run No: **353118**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES, TCL SW8081B** BatchID: **248880** Analysis Date: **09/27/2017** Seq No: **7767499**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
4,4´-DDT	0.04993	0.0039	0.0393	0.006274	111	47.4	135	0.05250	5.04	26.8	
Aldrin	0.03534	0.0020	0.0393		90.0	56.8	120	0.03509	0.692	27.6	
Dieldrin	0.05896	0.0039	0.0393	0.01748	106	54.9	122	0.05702	3.33	23.7	
Endrin	0.04066	0.0039	0.0393		104	61.7	127	0.03836	5.84	25.8	
gamma-BHC	0.03314	0.0020	0.0393		84.4	59.4	120	0.03366	1.57	25.2	
Heptachlor	0.04452	0.0020	0.0393	0.008387	92.0	53.7	124	0.04505	1.18	25	
Surr: Decachlorobiphenyl	0.01970	0	0.0196		100	45	128	0.01949	0	0	
Surr: Tetrachloro-m-xylene	0.01493	0	0.0196		76.0	46	120	0.01485	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: EarthCon Consultants, Inc.
Project Name: Dettleback Pesticide Warehouse
Workorder: 1709K85

ANALYTICAL QC SUMMARY REPORT

BatchID: 248880

Sample ID: **1709K85-004AMSD** Client ID: **SB-32C-SUBSUR** Units: **mg/Kg-dry** Prep Date: **09/26/2017** Run No: **353143**
SampleType: **MSD** TestCode: **CHLORINATED PESTICIDES SW8081B** BatchID: **248880** Analysis Date: **09/27/2017** Seq No: **7771043**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Decachlorobiphenyl	0.01674	0	0.0196		85.2	45	128	0.01417	0	30	
Surr: Tetrachloro-m-xylene	0.01562	0	0.0196		79.5	46	120	0.01627	0	30	

Qualifiers:

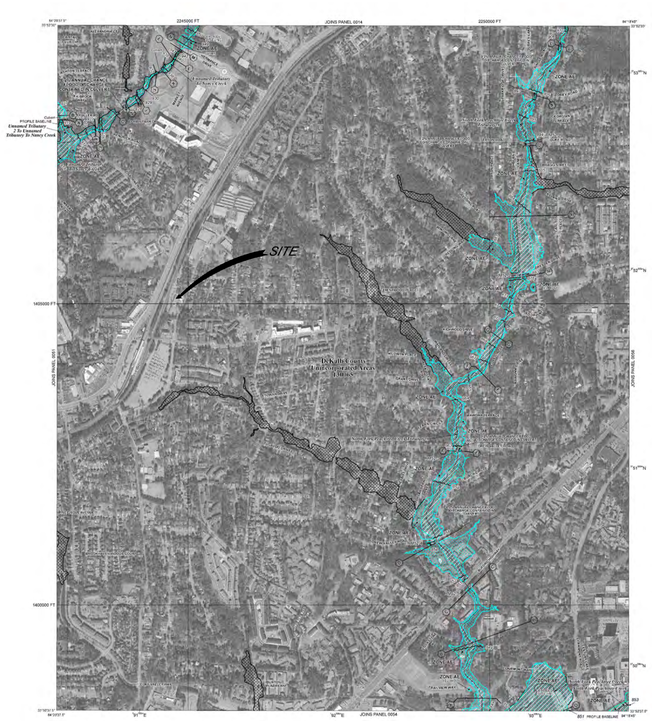
>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

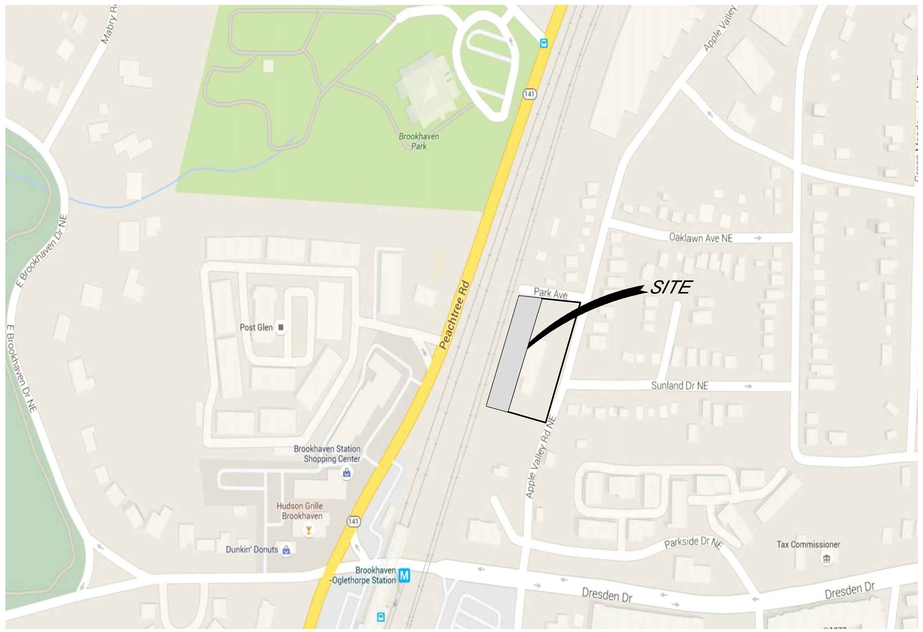
APPENDIX K

Construction Permit Drawings

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION

1251 PARK AVENUE
ATLANTA (BROOKHAVEN)
DEKALB COUNTY, GEORGIA





SOURCE: GOOGLE

NOTES: THIS SITE IS NOT LOCATED WITHIN ZONE A, AE OR X AS DEFINED BY FIRM COMMUNITY MAP NUMBER 130089C 52 J FOR DEKALB COUNTY AND INCORPORATED AREA. THIS MAP IS DOWNLOADED FROM FEMA WEBSITE https://msc.fema.gov/portal/search

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FIGURE INDEX:

C	COVER SHEET
1	SITE TOPOGRAPHIC MAP & TREE SURVEY
2	PROPOSED ASPHALT CAP PLACEMENT PLAN
3	PROPOSED GRADING PLAN
4	PROPOSED ASPHALT CAP - PLAN AND PROFILE
5	DETENTION POND - PLAN AND PROFILE
6	PROPOSED ASPHALT CAP - SECTIONS
7	RETAINING WALL - PLAN AND PROFILE
8	DETAILS
9	DETAILS (CONT.)
10	PROPOSED EROSION CONTROL PLAN
11	EROSION CONTROL DETAILS
12	EROSION CONTROL DETAILS (CONT.)
13	SOIL SURVEY MAP
14	EROSION AND SEDIMENT CONTROL NOTES
15	APPLICABLE ZONING CONDITIONS
PW1	CONSTRUCTION DETAILS (DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA)
AG-LP101	LANDSCAPE PLAN
AG-LP102	LANDSCAPE PLAN
AG-LP103	LANDSCAPE DETAILS

PROJECT TEAM: JOE TANNER & ASSOCIATES
50 HURT PLAZA
SUITE 930
ATLANTA, GEORGIA 30303
404-659-4663

ENGINEER: EARTHCON CONSULTANTS, INC.
1880 WEST OAK PARKWAY
BUILDING 100, SUITE 106
MARIETTA, GEORGIA 30062
770-973-2100

OWNER & 24-HOUR CONTACT: ROLLINS CONTINENTAL, INC
GARY ROGERS
2170 PIEDMONT ROAD, N.E.
ATLANTA, GEORGIA 30324
404-888-2831

EARTHCON®
EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

Revisions

Date	Description
3/16/16	REVISIONS PER CITY OF BROOKHAVEN (SETH YURMAN & TAYLOR BAXTER)
6/6/16	REVISIONS PER CITY OF BROOKHAVEN (MARK ZION & TAYLOR BAXTER)
07/25/16	PAVEMENT REMOVAL

GEORGIA REGISTERED No. 13577 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

COVER SHEET

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
Checked by: R. Schlecht
Scale: AS SHOWN
Project Number: 02.20140272
Date: 2/25/2016
Sheet: C

FILENAME: dettel site fg snw 2 -25-07-2016.dwg

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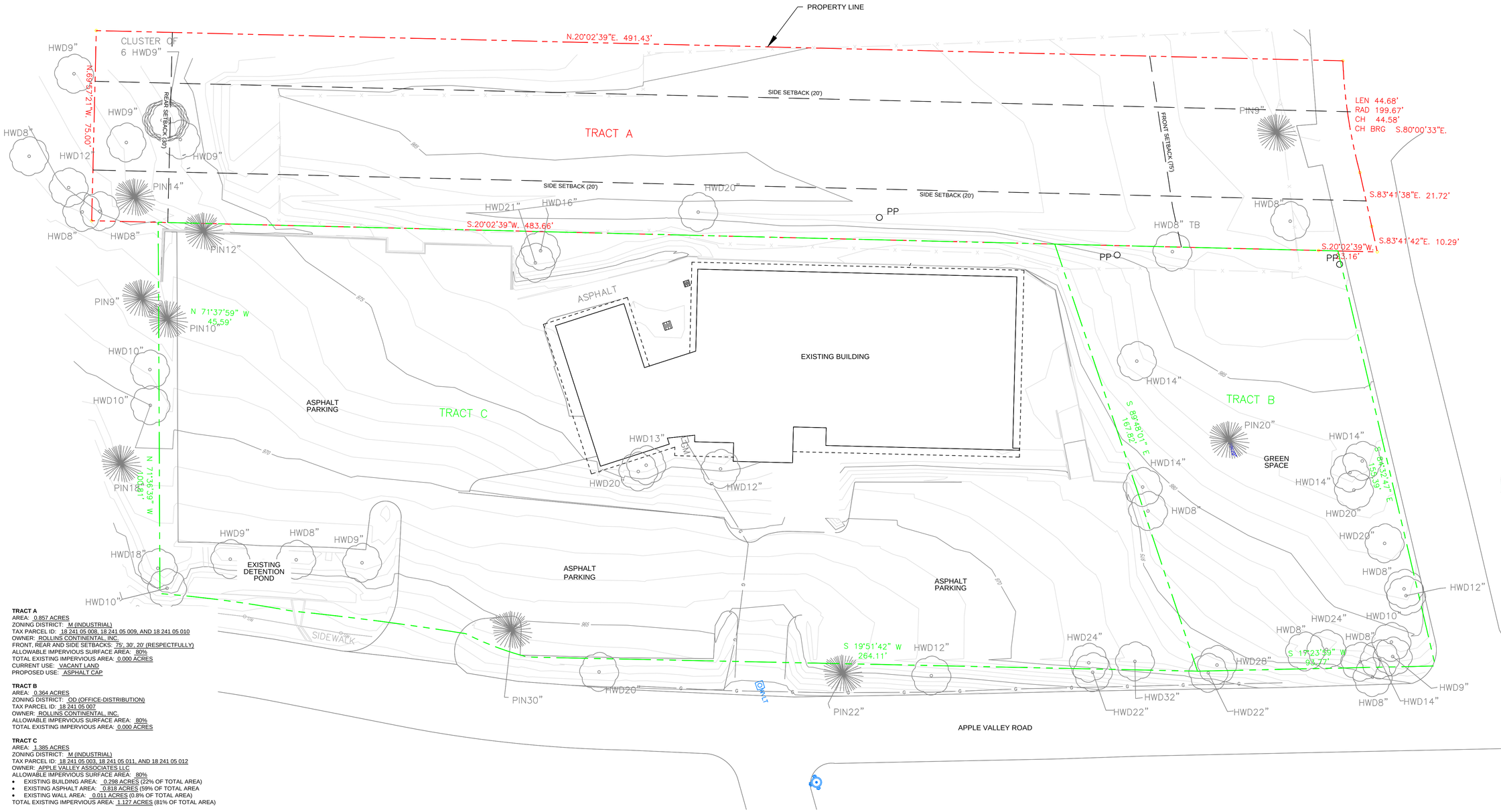

TRACT A
AREA: 0.857 ACRES
ZONING DISTRICT: M (INDUSTRIAL)
TAX PARCEL ID: 18 241 05 008, 18 241 05 009, AND 18 241 05 010
OWNER: ROLLINS CONTINENTAL, INC.
FRONT, REAR AND SIDE SETBACKS: 75', 30', 20' (RESPECTFULLY)
ALLOWABLE IMPERVIOUS SURFACE AREA: 80%
TOTAL EXISTING IMPERVIOUS AREA: 0.000 ACRES
CURRENT USE: VACANT LAND
PROPOSED USE: ASPHALT CAP

TRACT B
AREA: 0.364 ACRES
ZONING DISTRICT: OD (OFFICE-DISTRIBUTION)
TAX PARCEL ID: 18 241 05 007
OWNER: ROLLINS CONTINENTAL, INC.
ALLOWABLE IMPERVIOUS SURFACE AREA: 80%
TOTAL EXISTING IMPERVIOUS AREA: 0.000 ACRES

TRACT C
AREA: 1.385 ACRES
ZONING DISTRICT: M (INDUSTRIAL)
TAX PARCEL ID: 18 241 05 003, 18 241 05 011, AND 18 241 05 012
OWNER: APPLE VALLEY ASSOCIATES LLC
ALLOWABLE IMPERVIOUS SURFACE AREA: 80%
- EXISTING BUILDING AREA: 0.298 ACRES (22% OF TOTAL AREA)
- EXISTING ASPHALT AREA: 0.818 ACRES (59% OF TOTAL AREA
- EXISTING WALL AREA: 0.011 ACRES (0.8% OF TOTAL AREA)

TOTAL EXISTING IMPERVIOUS AREA: 1.127 ACRES (81% OF TOTAL AREA)

NOTE: SEE SHEET 2 FOR PROPOSED AREAS.

NOTES: CONTACT THE CITY OF BROOKHAVEN PLANNER / ARBORIST AT 404-637-0500 TO DETERMINE IF PRE-CONSTRUCITON MEETING PRIOR TO ANY LAND DISTURBANCE IS REQUIRED. ALL REQUIRED TREE FENCE MUST BE INSTALLED PRIOR TO THIS MEETING.

PROPERTY SOUTH OF THE DETTELBACH SITE ALSO OWNED BY ROLLINS CONTINENTAL, INC.

TOPO SOURCE: TOPO BASED ON SURVEY CONDUCTED BY MARTIN SURVEY ASSOCIATES, INC. 3005 HOLLY SPRINGS PARKWAY, SUITE 101, HOLLY SPRINGS, GA 30142. (8/28/2015)

BOUNDARY SOURCES: TRACT A
MARTIN SURVEY ASSOCIATES, INC.
3005 HOLLY SPRINGS PARKWAY, SUITE 101, HOLLY SPRINGS, GA 30142. (2/10/2016)

TRACT B AND TRACT C
LANDMAN INC. dba LAND DEVELOPING CO. - (770) 923-6691 (LARRY BOLLINGER, RLS)
1162 ROCKBRIGE RD SW, STONE MOUNTAIN, GA 30087. (3/27/2014)

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0 20 40 Feet

FILENAME: dettel site fg sunv 2 -25-07-2016.dwg

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Revisions

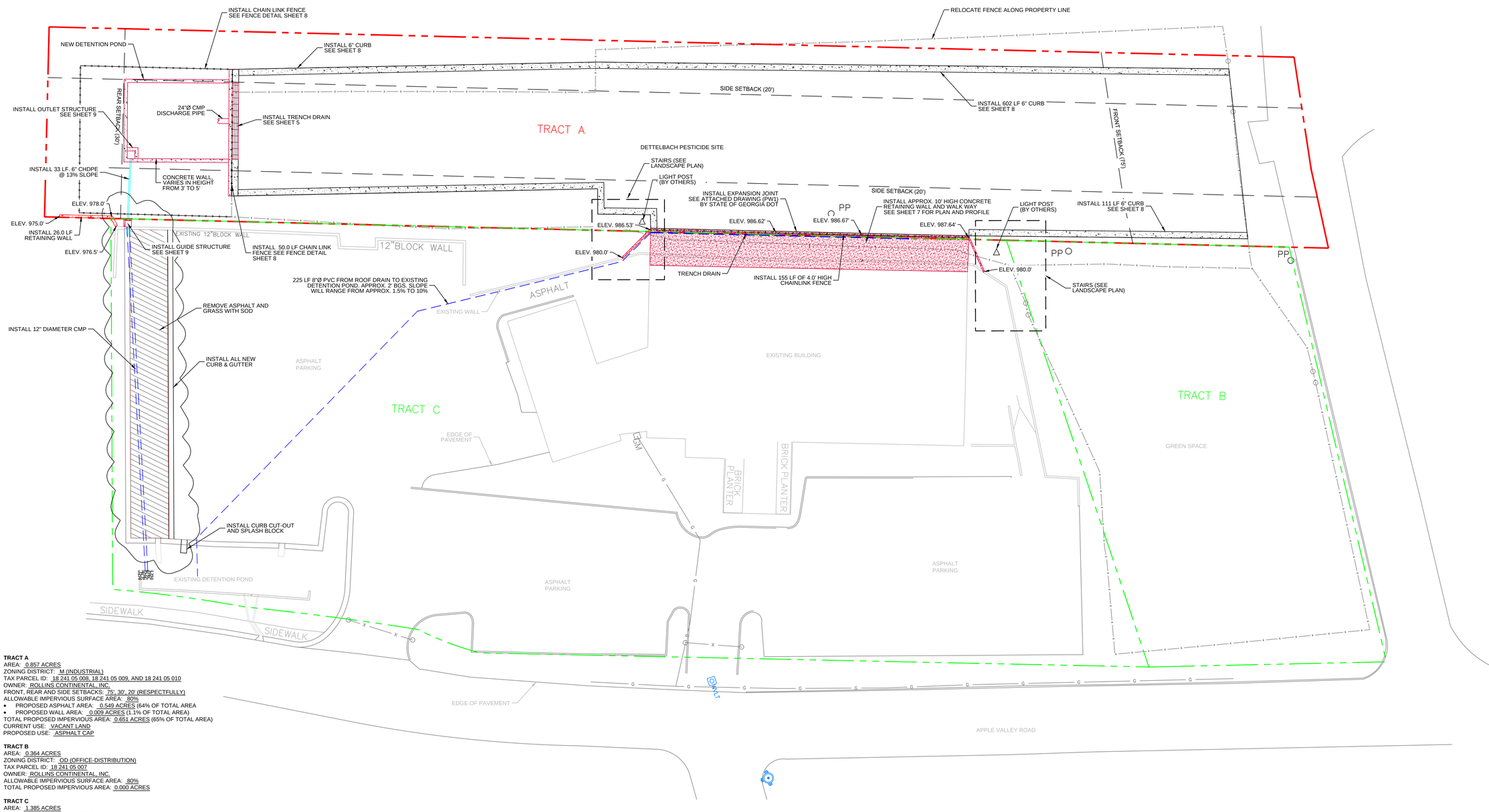
Date	Description
3/16/16	REVISIONS PER CITY OF BROOKHAVEN (SETH YURMAN & TAYLOR BAXTER)
5/6/16	REVISIONS PER CITY OF BROOKHAVEN (MARK ZION & TAYLOR BAXTER)
6/16/16	REVISIONS PER CITY OF BROOKHAVEN (TAYLOR BAXTER)
07/25/16	PAVEMENT REMOVED

GEORGIA REGISTERED No. 13817 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

SITE TOPOGRAPHIC MAP & TREE SURVEY

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
Checked by: R. Schlecht
Scale: AS SHOWN
Project Number: 02.20140272
Date: 2/25/2016
Sheet: 1



TRACT A
AREA: 0.857 ACRES
ZONING DISTRICT: M (INDUSTRIAL)
TAX PARCEL ID: 18 241 05 008, 18 241 05 009, AND 18 241 05 010
OWNER: ROLLINS CONTINENTAL, INC.
FRONT, REAR AND SIDE SETBACKS: 75', 30', 20' (RESPECTFULLY)
ALLOWABLE IMPERVIOUS SURFACE AREA: 80%
- PROPOSED ASPHALT AREA: 0.549 ACRES (64% OF TOTAL AREA
- PROPOSED WALL AREA: 0.009 ACRES (1.1% OF TOTAL AREA)

TOTAL PROPOSED IMPERVIOUS AREA: 0.651 ACRES (65% OF TOTAL AREA)
CURRENT USE: VACANT LAND
PROPOSED USE: ASPHALT CAP

TRACT B
AREA: 0.364 ACRES
ZONING DISTRICT: OD (OFFICE-DISTRIBUTION)
TAX PARCEL ID: 18 241 05 007
OWNER: ROLLINS CONTINENTAL, INC.
ALLOWABLE IMPERVIOUS SURFACE AREA: 80%
TOTAL PROPOSED IMPERVIOUS AREA: 0.000 ACRES

TRACT C
AREA: 1.385 ACRES
ZONING DISTRICT: M (INDUSTRIAL)
TAX PARCEL ID: 18 241 05 003, 18 241 05 011, AND 18 241 05 012
OWNER: APPLE VALLEY ASSOCIATES LLC
ALLOWABLE IMPERVIOUS SURFACE AREA: 80%
- PROPOSED BUILDING AREA: 0.298 ACRES (22% OF TOTAL AREA)
- PROPOSED ASPHALT AREA: 0.779 ACRES (56% OF TOTAL AREA
- PROPOSED WALL AREA: 0.006 ACRES (0.5% OF TOTAL AREA)

TOTAL PROPOSED IMPERVIOUS AREA: 1.083 ACRES (78% OF TOTAL AREA)

NOTE: SEE SHEET 1 FOR EXISTING AREAS.

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Revisions

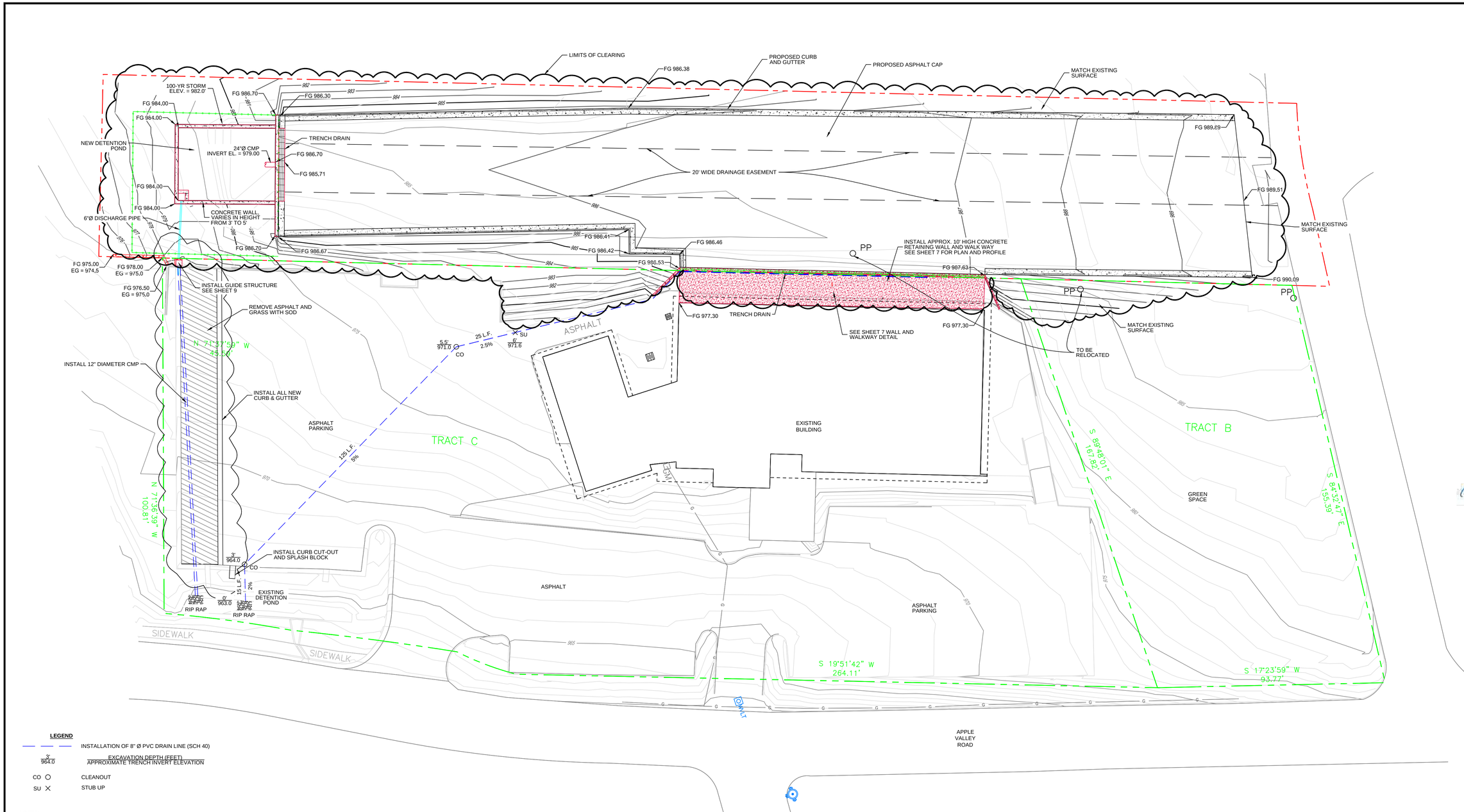
Date	Description
3/16/16	REVISIONS PER CITY OF BROOKHAVEN (SETH YURMAN & TAYLOR BAXTER)
6/6/16	REVISIONS PER CITY OF BROOKHAVEN (MARK ZION & TAYLOR BAXTER)
6/16/16	REVISIONS PER CITY OF BROOKHAVEN (TAYLOR BAXTER)
07/25/16	PAVEMENT REMOVAL

GEORGIA REGISTERED No. 33857 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

PROPOSED ASPHALT CAP PLACEMENT PLAN

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by:	S. Williams
Checked by:	R. Schlecht
Scale:	AS SHOWN
Project Number:	02.20140272
Date:	2/25/2016
Sheet:	2



LEGEND

— — —	INSTALLATION OF 8" Ø PVC DRAIN LINE (SCH 40)
3' / 964.0	EXCAVATION DEPTH (FEET) / APPROXIMATE TRENCH INVERT ELEVATION
CO ○	CLEANOUT
SU ×	STUB UP

NOTES:

- CONTACT THE CITY OF BROOKHAVEN PLANNER / ARBORIST AT 404-637-0500 TO DETERMINE IF A PRE-CONSTRUCITON MEETING PRIOR TO ANY LAND DISTURBANCE IS REQUIRED. ALL REQUIRED TREE FENCE MUST BE INSTALLED PRIOR TO THIS MEETING.
- DRAINAGE BASIN CONSIST OF THE AREA CONTAINED WITHIN THE CURB AND GUTTER.
- UNDISTURBED BUFFERS SHALL BE PLANTED TO BUFFER STANDARDS WHERE SPARSELY VEGETATED OR WHERE DISTURBED DUR TO APPROVED UTILITY CROSSINGS. REPLANTING IS SUBJECT TO CITY PLANNER/ARBORIST APPROVAL. (DO NOT PLANT TREES WITHIN THE SANITARY SEWER EASEMENT.)

TOPO SOURCE: TOPO BASED ON SURVEY CONDUCTED BY MARTIN SURVEY ASSOCIATES, INC.
3005 HOLLY SPRINGS PARKWAY, SUITE 101, HOLLY SPRINGS, GA 30142. (8/28/2015)

BOUNDARY SOURCES: TRACT A
MARTIN SURVEY ASSOCIATES, INC.
3005 HOLLY SPRINGS PARKWAY, SUITE 101, HOLLY SPRINGS, GA 30142. (2/10/2016)

TRACT B AND TRACT C
LANDMAN INC. dba LAND DEVELOPING CO. - (770) 923-6691 (LARRY BOLLINGER, RLS)
1162 ROCKBRIGE RD SW, STONE MOUNTAIN, GA 30087. (3/27/2014)

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Revisions

Date	Description
3/16/16	REVISIONS PER CITY OF BROOKHAVEN (SETH YURMAN & TAYLOR BAXTER)
6/6/16	REVISIONS PER CITY OF BROOKHAVEN (MARK ZION & TAYLOR BAXTER)
07/25/16	PAVEMENT REMOVAL

GEORGIA REGISTERED No. 13857 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

PROPOSED GRADING PLAN

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Woolf
Checked by: R. Schlecht
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Project Number: 02.20140272
Date: 5/17/2016
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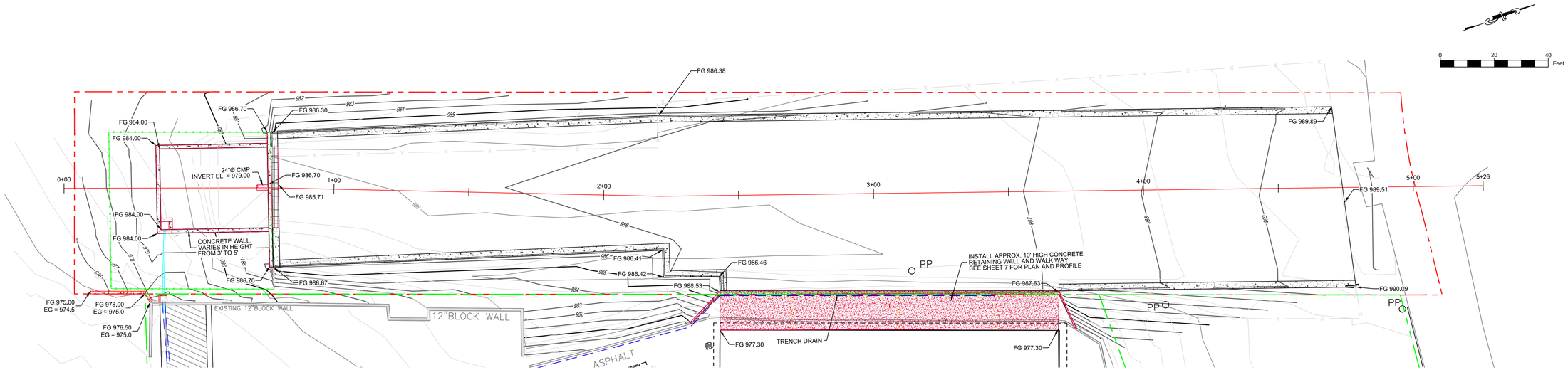
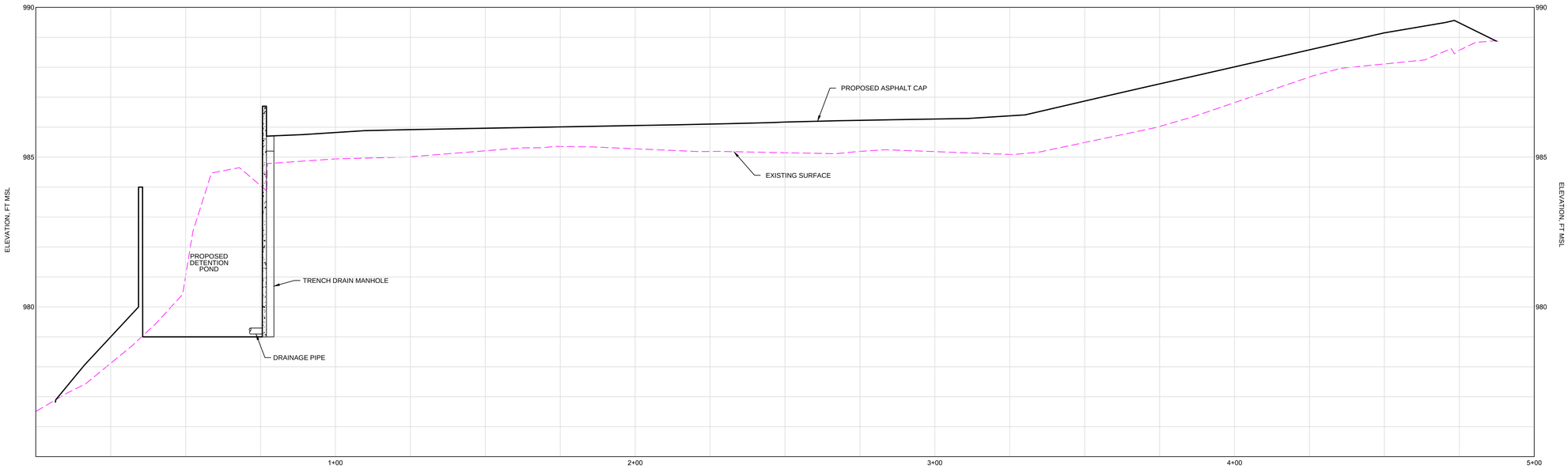


PROPOSED ASPHALT CAP - PLAN VIEW



SCALE FEET
HORIZONTAL
20 0 20 40
VERTICAL
2 0 2 4

PROPOSED ASPHALT CAP - PROFILE VIEW

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Revisions

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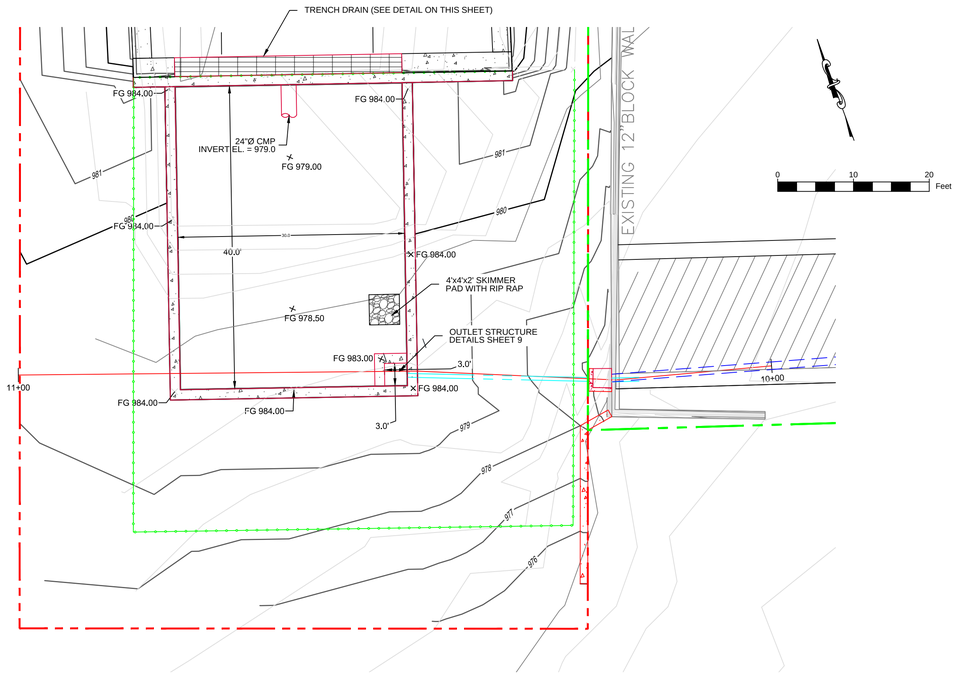
6/6/16	REVISIONS PER CITY OF BROOKHAVEN (MARK ZION & TAYLOR BAXTER)
07/25/16	PAVEMENT REMOVAL

GEORGIA REGISTERED No. 13857 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

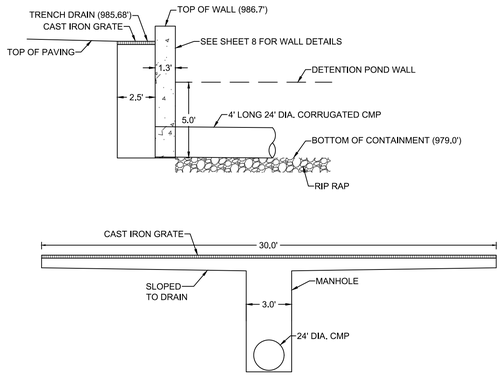
PROPOSED ASPHALT CAP - PLAN & PROFILE

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by:	S. Williams
Checked by:	R. Schlecht
Scale:	AS SHOWN
Project Number:	
Date:	2/25/2016
Sheet:	4

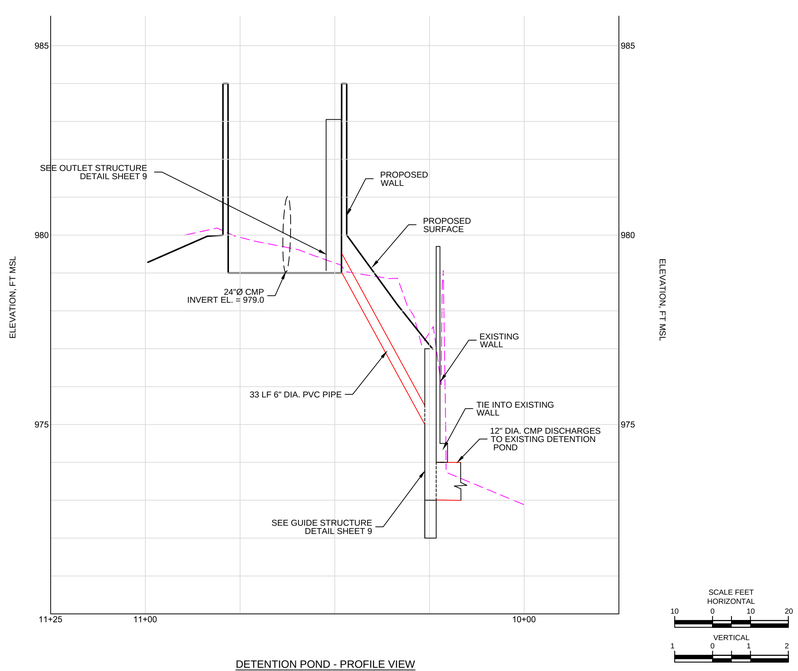


DETENTION POND - PLAN VIEW



TRENCH DRAIN DETAIL

NOT TO SCALE



DETENTION POND - PROFILE VIEW

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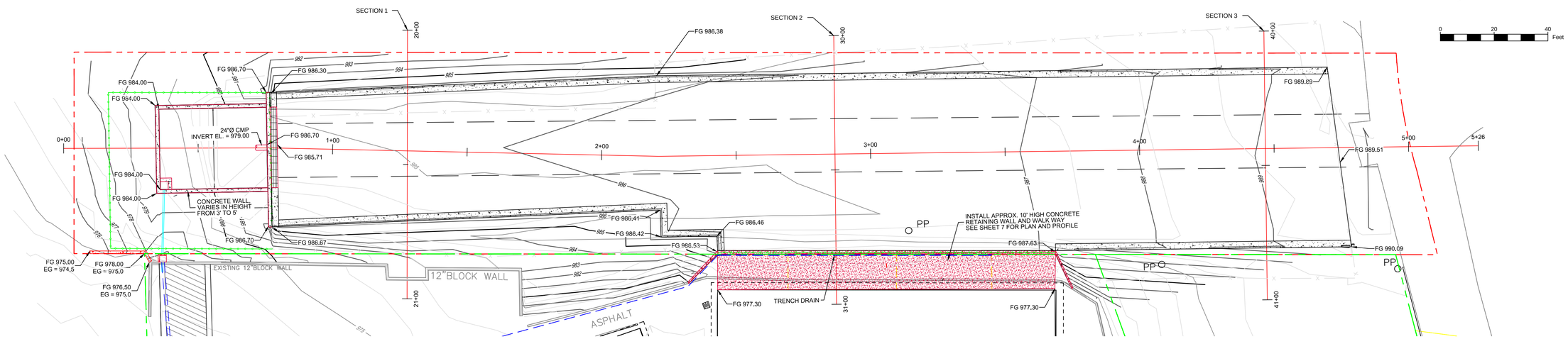
Revisions	
Date	Description
3/16/16	REVISIONS PER CITY OF BROOKHAVEN (SETH YURMAN & TAYLOR BAXTER)
6/6/16	REVISIONS PER CITY OF BROOKHAVEN (MARK ZION & TAYLOR BAXTER)
07/25/16	PAVEMENT REMOVAL

GEORGIA REGISTERED No. 13857 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

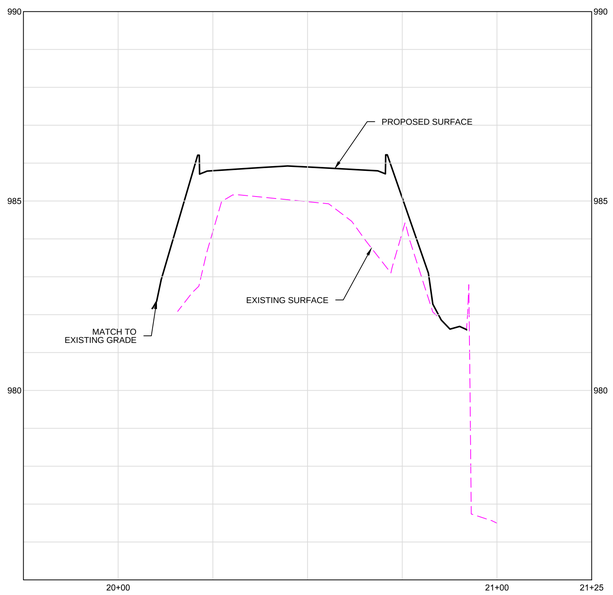
DETENTION POND - PLAN AND PROFILE

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

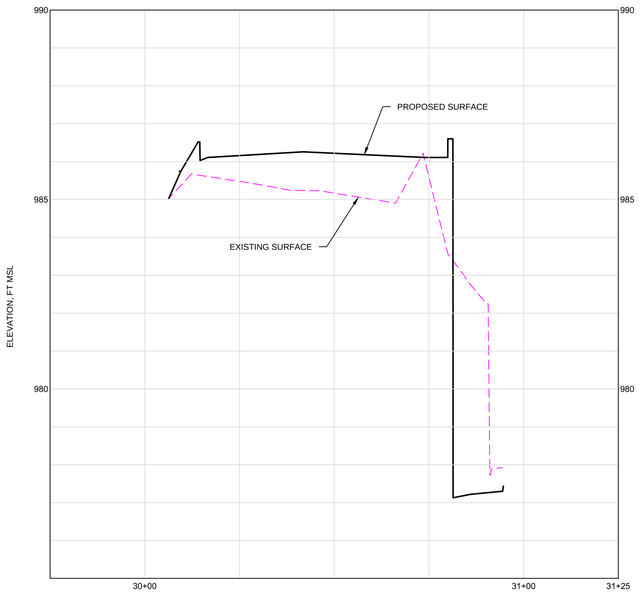
Drawn by:	S. Williams
Checked by:	R. Schlecht
Scale:	AS SHOWN
Project Number:	02.20140272
Date:	2/25/2016
Sheet:	5



PROPOSED ASPHALT PLAN VIEW



SECTION 1



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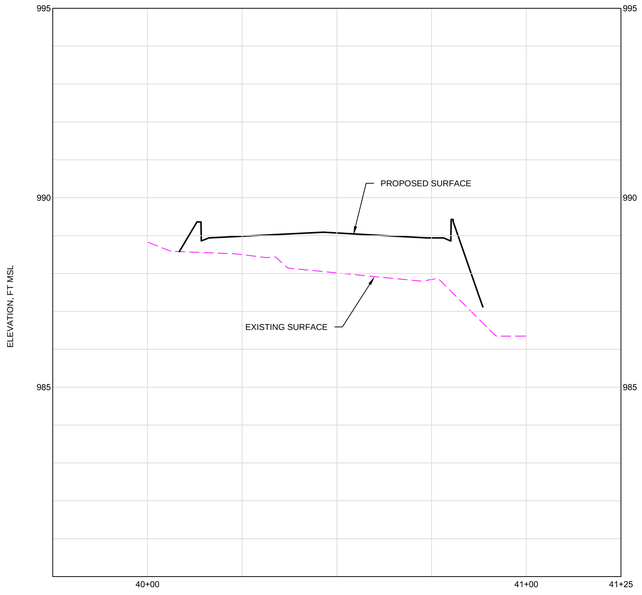

SECTION 3

SCALE FEET
HORIZONTAL
20 0 20 40
VERTICAL
2 0 2 4

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FILENAME: detel site fg sxw 2 -25-07-2016.dwg

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Revisions

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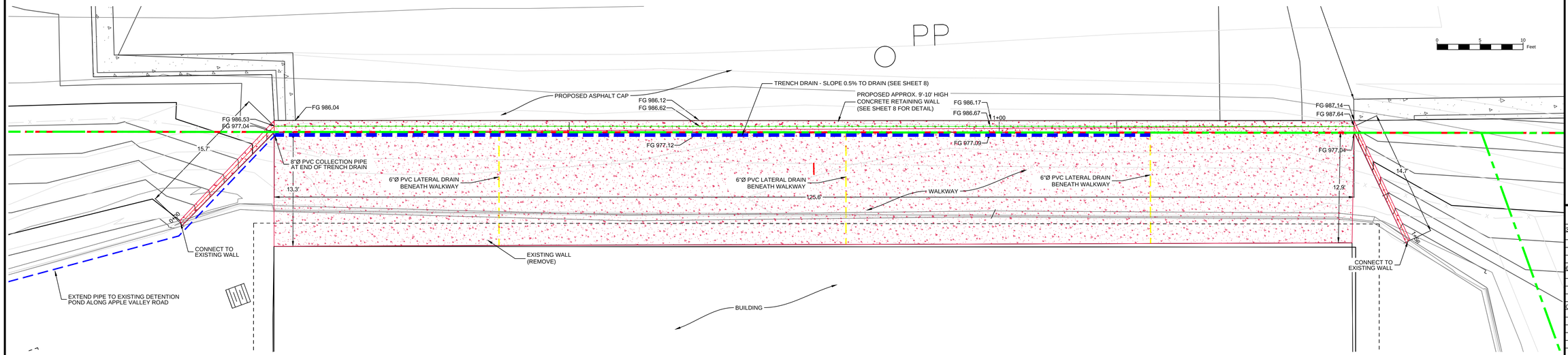
GEORGIA REGISTERED No. 13857 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

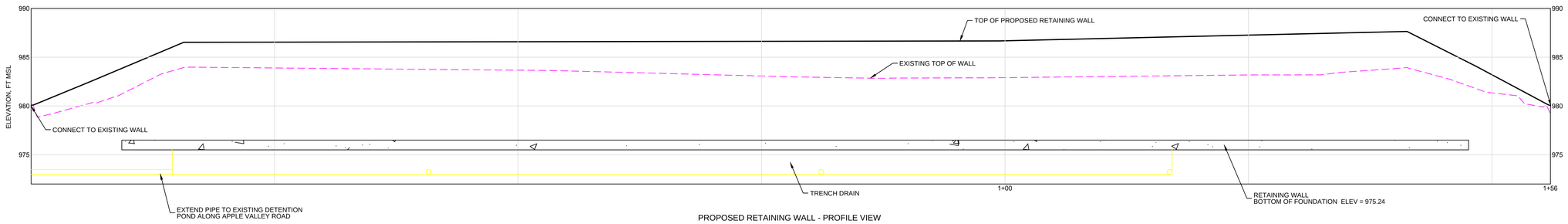
PROPOSED ASPHALT CAP - SECTIONS

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
Checked by: R. Schlecht
Scale: AS SHOWN
Project Number: 02.20140272
Date: 2/25/2016
Sheet: 6



PROPOSED RETAINING WALL AND WALKWAY - PLAN VIEW



PROPOSED RETAINING WALL - PROFILE VIEW

SCALE FEET
HORIZONTAL
6 0 6 12
VERTICAL
6 0 6 12

NOTE:

1. SEE SHEET 8 FOR SECTION AND OTHER DETAILS OF WALL.

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RETAINING WALL - PLAN AND PROFILE

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
Checked by: S. Williams
Scale: AS SHOWN
Project Number: 02.20140272
Date: 2/25/2016
Sheet: 7

FILENAME: detel site fg smw 2 -25-07-2016.dwg

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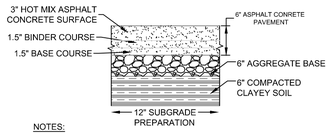
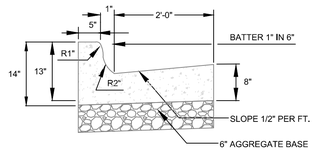


NOTES:

1. GEOGRID TO BE INSTALLED OVER SOFT SPOTS AT THE DIRECTION OF THE ENGINEER.
2. COMPACTION OF THE SUBGRADE SHOULD EXTEND A MINIMUM OF 2 FEET BEYOND THE OUTER EDGES OF PAVEMENT OR CURBS.

ASPHALT CAP SECTION
NOT TO SCALE



STANDARD 6"CURB DETAIL
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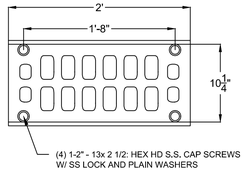
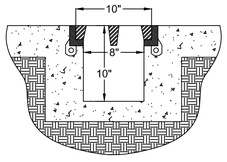
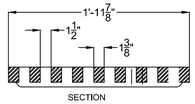
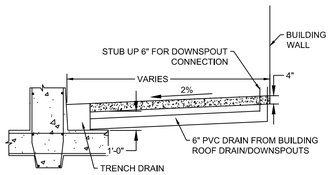


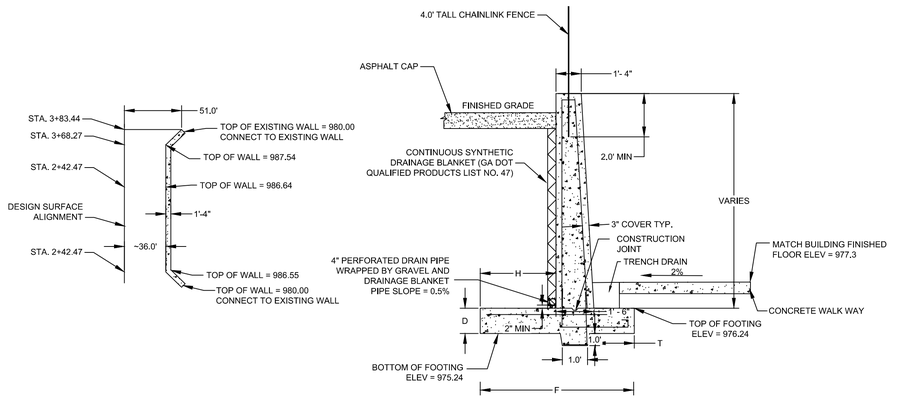




TRENCH DRAIN DETAIL
NOT TO SCALE



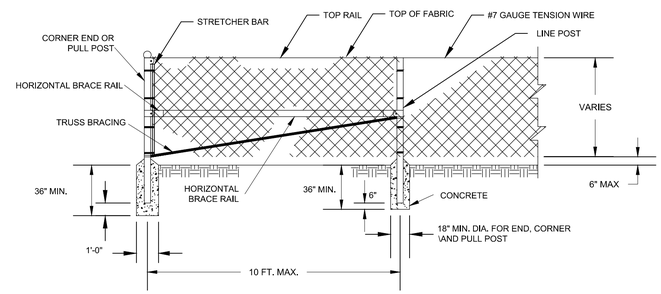
WALKWAY DETAIL
NOT TO SCALE



WALL DETAIL
NOT TO SCALE

NOTES:

1. SEE DRAWING PW -1 PUBLISHED BY DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA FOR EXPANSION JOINT AND CONSTRUCTION JOINT DETAILS AND DIMENSIONS FOR "D", "F", "H", AND "T".
2. PROVIDE 1" EXPANSION JOINTS IN WALL STEM, FOOTING AND KEY AT A MAXIMUM SPACING OF 50'. SPACE EXPANSION JOINTS UNIFORMLY, STOP ALL LONGITUDINAL REINFORCING STEEL IN THE STEM, FOOTING AND KEY 3" CLEAR OF EXPANSION JOINT.
3. REFER PW -1, WALL SECTION WITH KEY FOR REINFORCING STEEL DETAILS.
4. 4" PERFORATED DRAIN PIPE AND GRAVEL AROUND THE SHOULD BE WRAPPED BY DRAINAGE BLANKET.



FENCE DETAILS
NOT TO SCALE

NOTES:

1. CHAIN LINK FENCE DETAILS ARE ADAPTED FROM " STANDARD CHAIN LINK WIRE FENCE DETAIL" PUBLISHED BY DEPARTMENT OF TRANSPORTATION , STATE OF GEORGIA (DWG. NO. 9031N).
2. FABRIC SHALL BE FASTENED TO LINE POST AT INTERVALS NOT GREATER THAN 14".
3. TENSION WIRES SHALL BE TIED TO FABRIC WITH 9GA. WIRE OR 11 GA HOG RINGS AT 24" C TO C MAX SPACING.
4. HORIZONTAL BRACE RAILS AND TRUSS BRACING SHALL BE REQUIRED AT ALL CORNER AND END AND PULL POSTS.

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07/25/16	PAVEMENT REMOVAL

GEORGIA REGISTERED No. 13827 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

DETAILS

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
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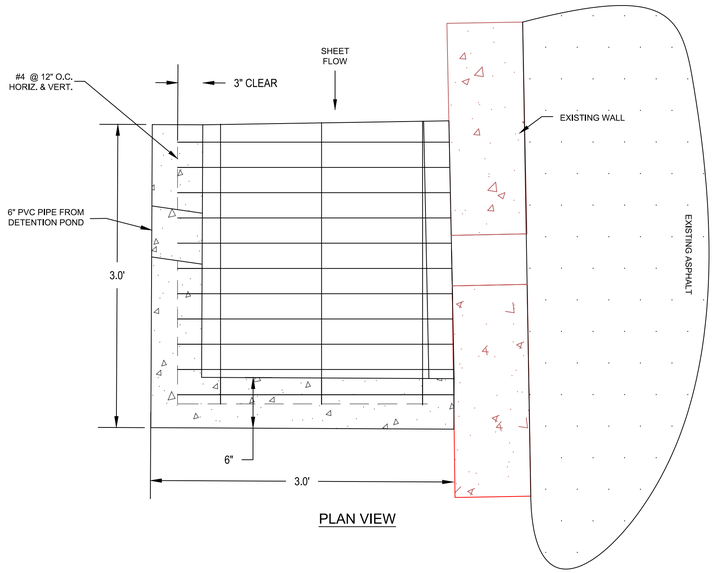
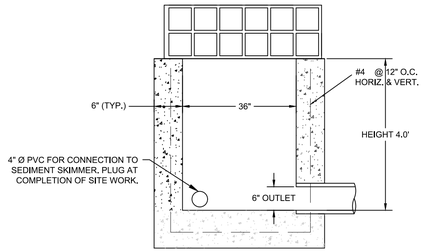
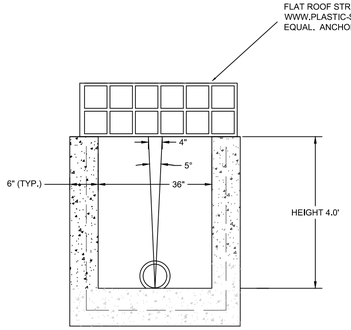
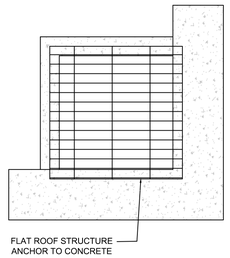


PLAN VIEW

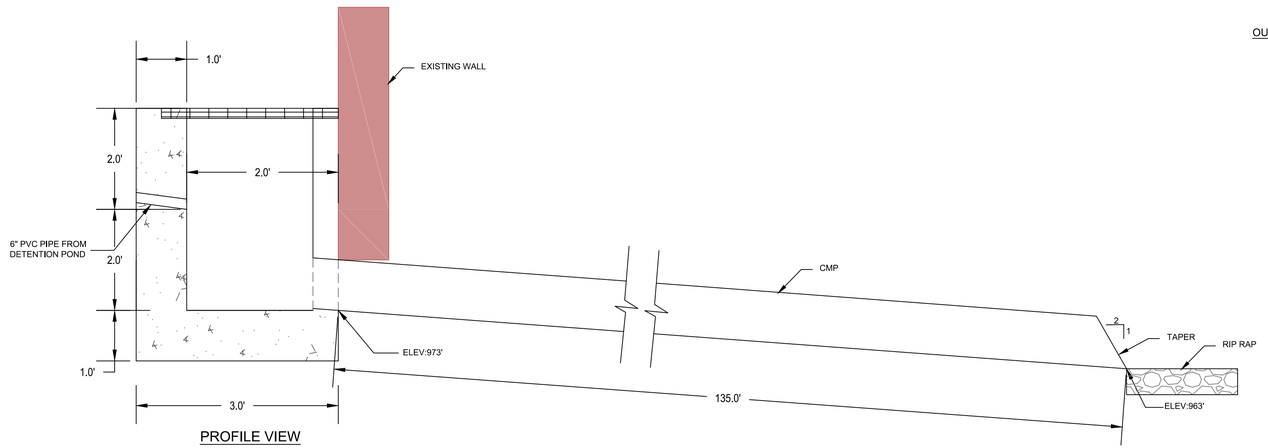






OUTLET STRUCTURE DETAIL

NOT TO SCALE



PROFILE VIEW

GUIDE STRUCTURE DETAIL

NOT TO SCALE

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GEORGIA REGISTERED No. 13587 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

DETAILS (CONT.)

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

ENGINEER: EARTHCON CONSULTANTS, INC.
1880 WEST OAK PARKWAY
BUILDING 100, SUITE 106
MARIETTA, GEORGIA 30062
770-973-2100

OWNER & 24-HOUR CONTACT: ROLLINS CONTINENTAL, INC
GARY ROGERS
2170 PIEDMONT ROAD, N.E.
ATLANTA, GEORGIA 30324
404-888-2831

Drawn by: S. Williams
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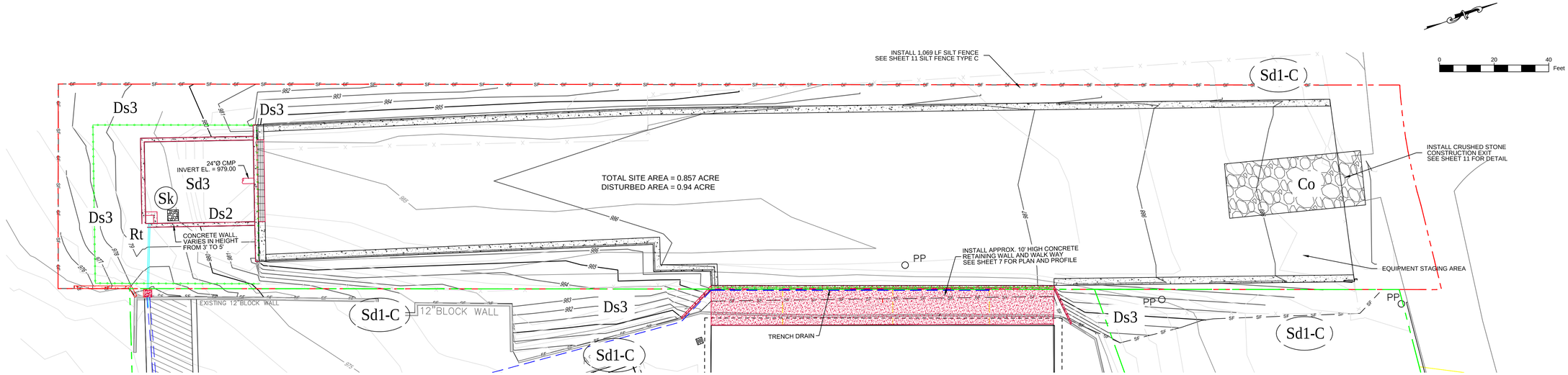
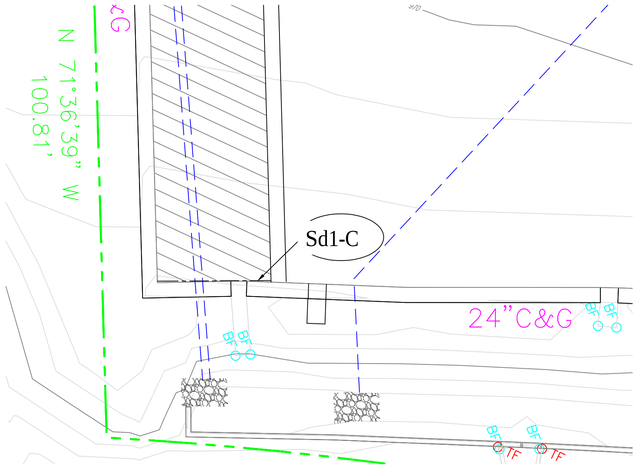


PROPOSED CONDITION EROSION CONTROL PLAN



PAVEMENT REMOVAL EXISTING DETENTION POND

GENERAL CONSTRUCTION SCHEDULE (SEE SPECIFIC PHASE SCHEDULES ON INITIAL AND FINAL ESC PLANS)	WEEKS							
INSTALL CONSTRUCTION EXITS AND SILT FENCE	■							
CLEAR AND GRUB		■						
EXCAVATION AND FILL PLACEMENT		■	■	■	■			
CONCRETE WALLS AND ASPHALT CAPPING					■	■	■	
PLANTING AND PERMANENT SEEDING								■

* SEDIMENT AND EROSION CONTROL MEASURES TO BE INSPECTED DAILY. MAINTAIN BMP'S THROUGHOUT LAND DISTURBANCE ACTIVITY.

EROSION CONTROL ACTIVITIES

Bf	BUFFER ZONE	Bf
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	Cs
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)	Ds2
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	Ds3
Ds4	DISTURBED AREA STABILIZATION (SODDING)	Ds4
Du	DUST CONTROL ON DISTURBED AREAS	Du
Mb	EROSION CONTROL MATTING AND BLANKETS	Mb
Pm	POLY-ACRYLAMIDE (PAM)	Pm
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)	Sb
Tb	TACKIFIERS AND BINDERS	Tb
Cd-S	RIP RAP CHECK DAM	Cd-S
Cd-Hb	HAY BALE CHECK DAM	Cd-Hb

Ch-V	CHANNEL STABILIZATION WITH VEGETATED LINING	Ch-V
Ch-Rp	CHANNEL STABILIZATION WITH RIP RAP LINING	Ch-Rp
Ch-C	CHANNEL STABILIZATION WITH CONCRETE LINING	Ch-C
Co	CONSTRUCTION EXIT	Co
Cr	CONSTRUCTION ROAD STABILIZATION	Cr
Dc-A	STREAM DIVERSION CHANNEL W/ GEOTEXTILE POLYTHYLENE FILM, OR SOD	Dc-A
Dc-B	STREAM DIVERSION CHANNEL W/ GEOTEXTILE ALONE	Dc-B
Dc-C	STREAM DIVERSION CHANNEL W/ CLASS 1 RIP RAP AND GEOTEXTILE	Dc-C
Di	DIVERSION DIKE AND CHANNEL	Di
Dn1	TEMPORARY DOWNDRAIN STRUCTURE	Dn1
Dn2	PERMANENT DOWNDRAIN STRUCTURE	Dn2
Fr	FILTER RING	Fr
Ga	GABION	Ga

Gr	GRADE STABILIZATION STRUCTURE	Gr
Lv	LEVEL SPREADER	Lv
Rd	ROCK FILTER DAM	Rd
Re	RETAINING WALL	Re
Rt	RETROFITTING	Rt
Sd1-A	SEDIMENT BARRIER (TYPE A SILT FENCE)	Sd1-A
Sd1-B	SEDIMENT BARRIER (TYPE B SILT FENCE)	Sd1-B
Sd1-C	SEDIMENT BARRIER (TYPE C SILT FENCE)	Sd1-C
Sd1-S	SEDIMENT BARRIER (SANDBAGS)	Sd1-S
Sd1-Hb	SEDIMENT BARRIER (HAY OR STRAW BALES)	Sd1-Hb
Sd1-Bb	BRUSH BARRIER	Sd1-Bb
Sd2-F	TEMPORARY INLET SEDIMENT TRAP WITH FILTER FABRIC & SUPPORTING FRAME	Sd2-F
Sd2-B	TEMPORARY INLET SEDIMENT TRAP WITH BAFFLE BOX	Sd2-B

Sd2-Bg	TEMPORARY INLET SEDIMENT TRAP WITH BLOCK & GRAVEL DROP INLET PROTECTION	Sd2-Bg
Sd2-G	TEMPORARY INLET SEDIMENT TRAP WITH GRAVEL DROP INLET PROTECTION	Sd2-G
Sd2-S	TEMPORARY INLET SEDIMENT TRAP WITH SOD INLET PROTECTION	Sd2-S
Sd2-P	CURB INLET PROTECTION (PIGS-IN-A-BLANKET)	Sd2-P
Sd3	TEMPORARY SEDIMENT BASIN	Sd3
Sr-B	TEMPORARY STREAM CROSSING WITH BRIDGE	Sr-B
Sr-C	TEMPORARY STREAM CROSSING WITH CULVERT	Sr-C
St	STORMDRAIN OUTLET PROTECTION	St
Su	SURFACE ROUGHENING	Su
Tp	TOPSOILING	Tp
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL	Wt
Tf	TREE PROTECTION FENCE	Tf
Sk	FLOATING SURFACE SKIMMER	Sk

GENERAL EROSION CONTROL NOTES:

TOTAL SITE AREA = 0.857 ACRES
DISTURBED AREA = 0.94 ACRES

NO GRADED SLOPE SHALL EXCEED 2.5H:1V

NO WETLANDS EXIST ON OR WITHIN 200' OF THE PLANNED DISTURBED AREAS.

NO WATERS OF THE STATE EXIST ON OR WITHIN 200' OF THE PLANNED DISTURBED AREAS.

STANDARD EROSION CONTROL NOTES:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 13857 RUSSELL K. SCHLECHT

GSWCC LEVEL II
CERTIFICATION NUMBER:
0000045584

EROSION CONTROL PLAN

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
Checked by: R. Schlecht
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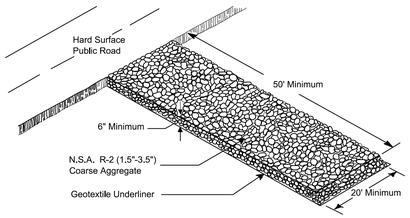
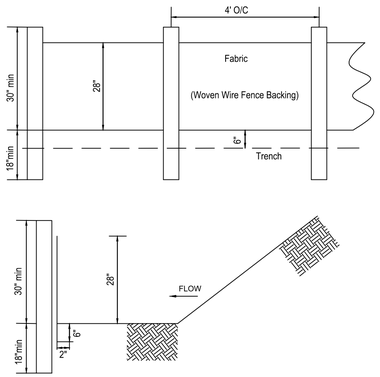


THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

Co CRUSHED STONE CONSTRUCTION EXIT



SILT FENCE

THE MANUFACTURER SHALL HAVE EITHER AN APPROVED COLOR MARK YARN IN THE FABRIC OR LABEL THE FABRICATED SILT FENCE WITH BOTH THE MANUFACTURER AND FABRIC NAME EVERY 100 FEET.

THE TEMPORARY SILT FENCE SHALL BE INSTALLED ACCORDING TO THIS SPECIFICATION, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. FOR INSTALLATION OF THE FABRIC, SEE DETAIL.
POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT (IF PPLICABLE) WITH THE REMAINING POSTS SPACED 4 FEET APART FOR TYPE C SILT FENCE. ONLY STEEL POST SHALL BE USED WITH TYPE C SILT FENCE. POSTS SHALL BE 4' IN LENGTH, 1.3 LBS/ FT.
ALONG STREAM BUFFERS AND OTHER SENSITIVE AREAS, TWO ROWS OF TYPE C SILT FENCE OR ONE ROW OF TYPE C SILT FENCE BACKED BY HAYBALES SHALL BE USED.

NOTE:
USE 36" D.O.T. APPROVED FABRIC
USE STEEL POSTS - ONLY

MAINTENANCE
SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS). TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

Sd1-C SILT FENCE - TYPE C

ENGINEER: EARTHCON CONSULTANTS, INC.
1880 WEST OAK PARKWAY
BUILDING 100, SUITE 106
MARIETTA, GEORGIA 30062
770-973-2100

OWNER & 24-HOUR CONTACT: ROLLINS CONTINENTAL, INC
GARY ROGERS
2170 PIEDMONT ROAD, N.E.
ATLANTA, GEORGIA 30324
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1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

Revisions

Date	Description
3/16/16	REVISIONS PER CITY OF BROOKHAVEN (SETH YURMAN & TAYLOR BAXTER)
6/6/16	REVISIONS PER CITY OF BROOKHAVEN (MARK ZION & TAYLOR BAXTER)
07/25/16	PAVEMENT REMOVAL

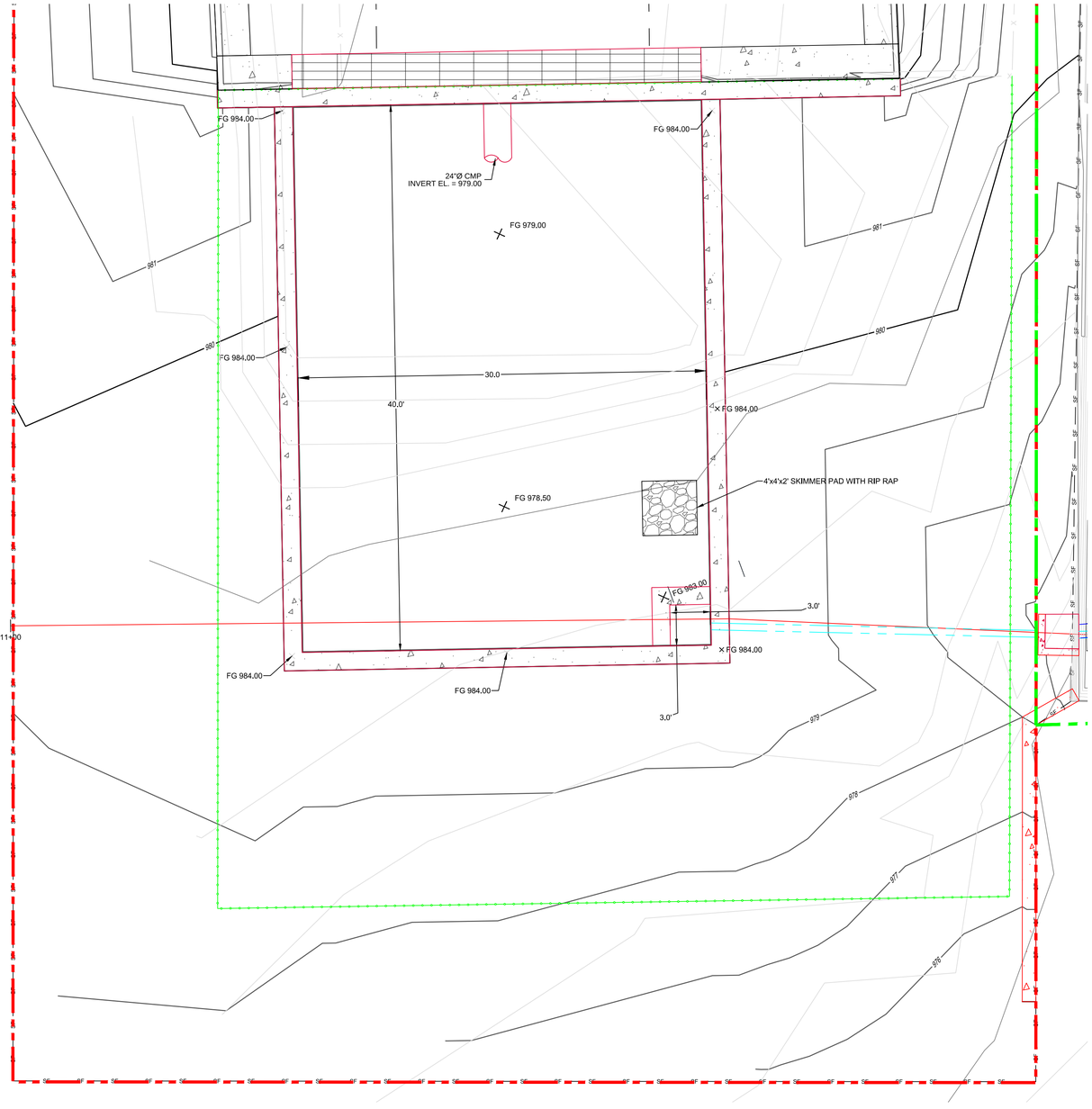
GEORGIA REGISTERED No. 13557 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

GSWCC LEVEL II
CERTIFICATION NUMBER:
0000045584

EROSION CONTROL DETAILS

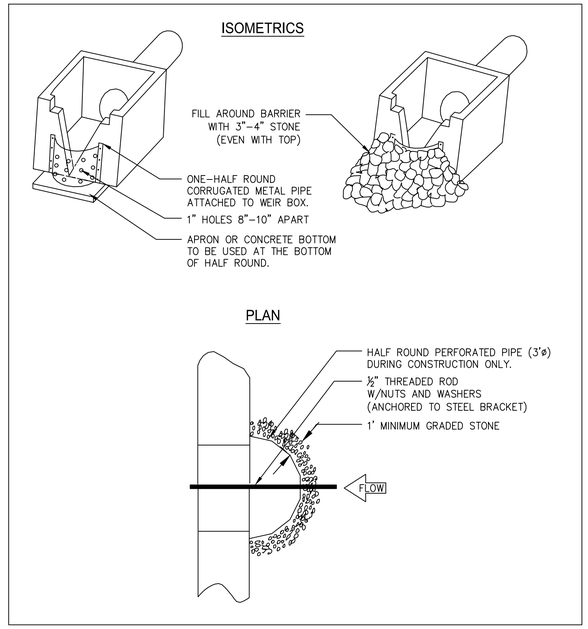
DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
Checked by: R. Schlecht
Scale: AS SHOWN
Project Number: 02.20140272
Date: 2/25/2016
Sheet: 11

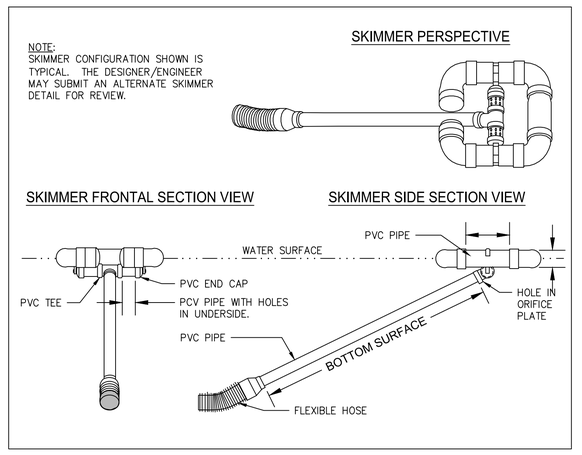


DETENTION POND PLAN VIEW

0 5 10 Feet

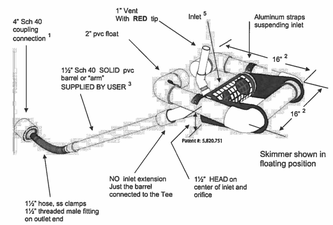


Rt PERFORATED HALF-ROUND PIPE WITH STONE FILTER
(INSTALL AT COMPLETION OF SITE WORK)



Sk SKIMMER OUTLET DETAIL

1½" *Faircloth Skimmer®* Cut Sheet
J. W. Faircloth & Son, Inc.
www.FairclothSkimmer.com



1. Skimmer can be attached to a straight 4" sch 40 pipe through the dam but the pipe may need to be anchored to the bottom at the connection so it is secure. Coupling can be removed and hose attached to outlet using the threaded 1½" fitting. Typical methods used: on a metal structure a steel stubout welded on the side at the bottom side with a 1½" threaded coupling or reducers; on a concrete structure with a hole or orifice at the bottom, use a steel plate with a hole cut in it and coupling welded to it that will fit over the hole in the concrete and bolted to the structure with sealant; grout a 4" pvc pipe in a hole in the concrete to connect the skimmer.
2. Dimensions are approximate, not intended as plans for construction.
3. Barrel (solid, not foam core pipe) should be 1.4 times the depth of water with a **maximum length of 6'** so the inlet can be pulled to the side for maintenance. Skimmer is made for small sediment "traps" with a maximum depth of 4'.
4. Inlet is 3" pipe between the straps with aluminum screen door for access to the 1½" inlet and orifice inside.
5. **Capacity** 1,728 cubic feet per day maximum with 1½" inlet and 1½" head. Inlet can be reduced by installing a smaller orifice using the plug and cutter provided to adjust flow rate for the particular basin volume and drawdown time required.
6. Shipped assembled. User glues inlet extension and barrel, installs vent, cuts orifice in plug and attaches to outlet pipe or structure. Includes flexible hose, rope, orifice cutter, etc.

1-5inchCut TM 11-07 November 14, 2007

1. POND, TRAP OR BASIN SIZE, LENGTH, WIDTH, AND DEPTH = 40' x 30' x 5'

2. TIME TO DRAIN (HRS) = 72

3. SKIMMER DIMENSIONS = 1.1" DIAMETER ORIFICE, SIZE 1.5" DISCHARGE PIPE

4. MANUFACTURER'S NAME: FAIRCLOTH 1.5" SKIMMER

ENGINEER: EARTHCON CONSULTANTS, INC.
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MARIETTA, GEORGIA 30062
770-973-2100

OWNER & 24-HOUR CONTACT: ROLLINS CONTINENTAL, INC
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2170 PIEDMONT ROAD, N.E.
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GEORGIA REGISTERED No. 13517 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

GSWCC LEVEL II
CERTIFICATION NUMBER:
0000045584

EROSION CONTROL DETAILS (CONT.)

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
Checked by: R. Schlecht
Scale: AS SHOWN
Project Number: 02.20140272
Date: 2/25/2016
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Map Unit Legend

DeKalb County, Georgia (GA089)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
CuC	Cecil-Urban land complex, 2 to 10 percent slopes	1.0	31.3%
PuE	Pacolet-Urban land complex, 10 to 25 percent slopes	1.7	54.2%
Ud	Urban land	0.4	14.5%
Totals for Area of Interest		3.1	100.0%

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Revisions

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6/6/16	REVISIONS PER CITY OF BROOKHAVEN (MARK ZION & TAYLOR BAXTER)
07/25/16	PAVEMENT REMOVAL

GEORGIA REGISTERED No. 13827 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

GSWCC LEVEL II
CERTIFICATION NUMBER:
0000045584

SOIL SURVEY MAP

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
Checked by: R. Schlecht
Scale: AS SHOWN
Project Number: 02.20140272
Date: 2/25/2016
Sheet: 13

EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES

NATURE OF CONSTRUCTION ACTIVITY
THE NATURE OF THE CONSTRUCTION ACTIVITY ENTAILS THE PLACEMENT OF ENGINEERED CAP ON THE FORMER PESTICIDE LANDFILL LOCATED AT 1251 PARK AVENUE, ATLANTA, GEORGIA.

RUNOFF COEFFICIENT
WEIGHTED PRE-CONSTRUCTION RATIONAL METHOD COEFFICIENT (C): 0.45
WEIGHTED POST-CONSTRUCTION RATIONAL METHOD COEFFICIENT (C): 0.81

CRITICAL AREAS
NONE

SURVEY INFORMATION:
SURVEY INFORMATION WAS OBTAINED FROM A SURVEY PREPARED BY MARTIN SURVEY ASSOCIATES, INC. 3005 HOLLY SPRINGS PARKWAY, SUITE 101, HOLLY SPRINGS, GA 30142 (DATED 8/28/2015).

GENERAL GUIDELINES:

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY.

ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.

THE LEVEL II QUALIFIED DESIGN PROFESSIONAL WHO SEALED THESE PLANS IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.

ALL AMENDMENTS AND REVISIONS TO THE EROSION & SEDIMENT CONTROL PLANS WHICH WILL HAVE A SIGNIFICANT EFFECT ON BEST MANAGEMENT PRACTICE (BMP) WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

NO ACTIVITIES SHALL BE CONDUCTED WITHIN THE 25 OR 50-FOOT STREAM BUFFER ALONG THE BANKS OF ALL STATE WATERS.

THE PROPERTY OWNER AND CONTRACTOR ARE EQUALLY RESPONSIBLE FOR ALL EROSION CONTROL ACTIVITIES.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES.

ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON. IN SUCH INSTANCES WHERE THE ESTABLISHMENT OF VEGETATION IS INOPPORTUNE DUE TO SEASON OR DROUGHT, DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED USING 2"-4" OF MULCH (DS1). ADDITIONAL PLANTINGS WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW.

FOR EACH SITE ON WHICH LAND DISTURBING ACTIVITY OCCURS, EACH ENTITY OR PERSON ACTING AS EITHER A PRIMARY, SECONDARY, OR TERTIARY PERMITTEE, AS DEFINED IN THE STATE GENERAL PERMIT, SHALL HAVE AS A MINIMUM ONE PERSON WHO IS IN RESPONSIBLE CHARGE OF EROSION AND SEDIMENTATION CONTROL ACTIVITIES ON BEHALF OF SAID ENTITY OR PERSON AND MEETS THE APPLICABLE (LEVEL 1A) EDUCATION OR TRAINING CERTIFICATION REQUIREMENTS (O.C.G.A. 12-7-19(A)(2)).

SUBCONTRACTORS INVOLVED WITH LAND DISTURBANCE ACTIVITIES SHALL MEET THE EDUCATION REQUIREMENTS (LEVEL 1) DESCRIBED IN O.C.G.A 12-7-19.

SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

NO NON-EXEMPT ACTIVITIES SHALL BE CONDUCTED IN THE 25' STATE WATERS BUFFER WITHOUT FIRST OBTAINING PERMIT.

CLEARING PHASE - EROSION CONTROL NOTES:

PRIOR TO LAND-DISTURBING ACTIVITIES, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.
2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN.
3. TYPE "C" SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 5-20.2. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
4. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEM NECESSARY BY THE SITE INSPECTOR.

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES.

THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION CONTROL PLANS WILL INSPECT THE INSTALLATION OF THE BMPs WITHIN SEVEN DAYS AFTER INITIAL CONSTRUCTION ACTIVITY BEGINS.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS INITIAL BRUSH BARRIER SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION IS CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

ALL SILT FENCES MUST BE TYPE C, WIRE BACKED, AND MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA STANDARD SPECIFICATIONS, 1983 EDITION.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ON TO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

GRADING PHASE - EROSION CONTROL NOTES:

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING THE CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

TYPE "C" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET GREATER IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORM WATER RUN OFF AS SHOWN ON THE PLANS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

CUT AND FILL SLOPES ARE NOT TO EXCEED "2.5H:1V".

TYPE "C" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ON TO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

FINAL PHASE - EROSION CONTROL NOTES:

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL CONTROL PHASE OF CONSTRUCTION.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

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EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

ENGINEER: EARTHCON CONSULTANTS, INC.
1880 WEST OAK PARKWAY
BUILDING 100, SUITE 106
MARIETTA, GEORGIA 30062
770-973-2100

OWNER & 24-HOUR CONTACT: ROLLINS CONTINENTAL, INC
GARY ROGERS
2170 PIEDMONT ROAD, N.E.
ATLANTA, GEORGIA 30324
404-888-2831

RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL THE COMPLETION OF CONSTRUCTION:

A. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;

B. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED;

C. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;

D. A COPY OF ALL INSPECTION REPORTS GENERATED;

E. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED;

F. DAILY RAINFALL INFORMATION COLLECTED.

STORAGE CALCULATIONS

1. REQUIRED STORMWATER STORAGE = 99 CY
2. REQUIRED SEDIMENT STORAGE = 63 CY
   (67 CY/ACRE * 0.94 AC DISTURBED AREA)
3. TOTAL REQUIRED STORAGE = 99 + 63 = 162
4. AVAILABLE STORAGE = 178 CY
5. IS THE AVAILABLE STORAGE (4) GREATER THAN THE TOTAL REQUIRED STORAGE (3)? YES NO
6. CLEAN-OUT ELEVATION = 800.8 FT
7. IS THE LENGTH-WIDTH RATIO 2:1 OR GREATER? YES NO

NOTE THE CMP DIAMETER AND HEIGHT IF HALF-ROUND CMP RETROFIT IS TO BE USED AT THE COMPLETION OF SITE WORK.
DIAMETER = 36 INCHES HEIGHT = 3 FEET

IMPERVIOUS CALCULATION:
IMPERVIOUS AREA = 0.57 ACRES
PARCEL AREA = 0.857 ACRES
67% IMPERVIOUS

Detention Pond Outlet Design Summary

Pond Bottom Area	207 Sq.ft	Concrete Structure Bottom Area	1200 Sq.ft
Pond Top area	1296.5 Sq. ft.	Concrete Structure Top Area	1200 Sq. ft.
Base width (b)	9.25 ft	Base width (b)	30 ft
Base length (l)	21.9 ft	Base length (l)	40 ft
Side slope (H:V)	2.5	Total depth (ft)	5.00 ft
Avg Area	751.75 Sq. ft.	Avg Area	1200 Sq. ft.

Return Period	Required volume (cu.ft)	Top Area (Sq. Ft.)	Depth Required (ft)	Available volume (cu.ft)	Allowable Discharge (Q cfs)	Flow through 5 deg V-notch Q = C * tan(theta/2) * (H^2.5)	Remaining allowable Discharge (Q cfs)
1 yr	1439	1200	1.80	2160	**0.85**	0.47	0.38
2 yr	1703	1200	2.00	2400	**0.98**	0.62	0.37
5 yr	2086	1200	2.20	2640	**1.17**	0.78	0.39
10 yr	2353	1200	2.40	2880	**1.31**	0.97	0.34
25 yr	2677	1200	2.60	3120	**1.51**	1.19	0.32
50 yr	2980	1200	2.80	3360	**1.67**	1.43	0.24
100 yr	3257	1200	3.00	3600	**1.82**	1.70	0.12

REQUIRED STORAGE = 25-YR STORM EVENT = 2677 CF = 99 CY
(SEE TABLE ABOVE)

AVAILABLE STORAGE = 1200 SF x 4' = 4800 CF = 178 CY

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EarthCon Consultants, Inc.
1880 WEST OAK PKWY., BLDG 100, STE 106, MARIETTA, GA, 30062

Revisions

Date	Description
3/16/16	REVISIONS PER CITY OF BROOKHAVEN (SETH YURMAN & TAYLOR BAXTER)
6/6/16	REVISIONS PER CITY OF BROOKHAVEN (MARK ZION & TAYLOR BAXTER)
07/25/16	PAVEMENT REMOVAL

GEORGIA REGISTERED No. 13827 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

GSWCC LEVEL II
CERTIFICATION NUMBER:
0000045584

EROSION AND SEDIMENT CONTROL NOTES

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
Checked by: R. Schlecht
Scale: AS SHOWN
Project Number:
Date: 2/25/2016
Sheet: 14

FILENAME: detail site fg ssw 2.dwg

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(r) *School, private elementary and middle:* Two (2) spaces for each classroom.

(s) *School, private high:* Five (5) spaces for each classroom.

(t) *Schools and colleges, including trade and vocational schools:* Ten (10) spaces for each classroom.

(u) *Shopping center:* Five and five-tenths (5.5) spaces for each one thousand (1,000) square feet of floor area.

(v) *Theater, auditorium, funeral home, gymnasium, stadium and other places of assembly:* One (1) space for each three (3) seats in the main auditorium, or, where fixed seats are not utilized, one (1) space for each twenty-five (25) square feet of floor space in the largest assembly room utilized for seating.

(w) *Temporary outdoor social, religious, entertainment or recreation activity or flea market:* One (1) space for each one hundred (100) square feet of space used for such activity.

(x) *Personal care home, community:* Five-tenths (0.50) space for each employee and resident.

(y) *Child caring institution, community:* Five-tenths (0.50) space for each employee and resident.

(z) *Personal care home, group:* Four (4) spaces.

(aa) Child caring institution, group: Four (4) spaces.

Sec. 27-605. - Lot coverage.

The lot coverage of each lot shall not exceed eighty (80) percent.

Sec. 27-606. - Landscaping requirement for parking lots.

See section 27-753, Landscaping requirements for parking lots.

Secs. 27-607—27-615. - Reserved.

DIVISION 27. - M (INDUSTRIAL) DISTRICT

Sec. 27-616. - Scope of provisions.
Sec. 27-617. - Statement of purpose and intent.
Sec. 27-618. - Principal uses and structures.
Sec. 27-619. - Accessory uses and structures.
Sec. 27-620. - Special permits.
Sec. 27-621. - Lot width; lot area; setbacks.
Sec. 27-622. - Transitional buffer zone requirement.
Sec. 27-623. - Lot coverage.

Sec. 27-624. - Height of buildings and structures.
Sec. 27-625. - Off-street parking requirement.
Sec. 27-626. – Reserved.
Sec. 27-627. - Landscaping requirement for parking lots.
Secs. 27-627—27-635. - Reserved.

Sec. 27-616. - Scope of provisions.

The provisions contained within this section are the regulations of the M (Industrial) District.

Sec. 27-617. - Statement of purpose and intent.

The purpose and intent of the city council in establishing the M (Industrial) District is as follows:

(a) To provide areas for the establishment of businesses engaged in the manufacturing, processing, creating, repairing, renovating, painting, cleaning, or assembling of goods, merchandise, or equipment and the sale and distribution of such goods, merchandise or equipment in locations so designated in the comprehensive plan;

(b) To assure any negative noise impact resulting from the use of land within the M (Industrial) District is contained within the boundaries of said district and does not create noise problems for adjoining residential, office or commercial districts;

(c) To assure that M (Industrial) districts are so located that transportation access to major thoroughfares and freeways is available.

Sec. 27-618. - Principal uses and structures.

The following principal uses of land and structures shall be authorized in the M (Industrial) District:

(a) Agriculture and forestry uses as follows:
(1) Agricultural produce stand.
(2) Commercial greenhouse or plant nursery.
(3) Dairy.
(4) Field crops, production of.
(5) Fruits, tree nuts, and vegetables, production of.
(6) Livestock.
(7) Temporary or portable sawmills.

(b) Animal care facilities as follows:
(1) Animal hospital and veterinary clinic.
(2) Boarding and breeding kennel.

(3) Dog grooming shop.

(c) Automotive and boat and trailer sales and service uses as follows:
(1) Automobile and truck sales establishment.
(2) Automobile parking lots or parking garages, commercial.
(3) Automobile repair and paint shop.
(4) Automobile service station.
(5) Automobile, truck, and trailer lease and rental establishment.
(6) Automobile, truck, and trailer lease and rental establishment, as an accessory use to an automobile service station.
(7) Automobile upholstery shop.
(8) Automobile wash service.
(9) Boat sales establishment.
(10) Minor automobile repair and maintenance shop.
(11) Retail automobile parts and tire store.
(12) Tire retreading and recapping establishment.
(13) Trailer salesrooms and sales lot.

(d) Building materials and farm equipment establishments as follows:
(1) Electrical supply store.
(2) Farm equipment establishment.
(3) Lumber, hardware, and other building materials establishment.
(4) Paint, glass, and wallpaper store.
(5) Plumbing and heating equipment dealer.

(e) Check cashing establishment.

(f) Child day care center.

(g) Commercial recreation and entertainment establishments as follows:
(1) Sexually oriented businesses.
(2) Recreational facilities and entertainment activities carried on wholly within permanently enclosed buildings.

(h) Communications facilities as follows:
(1) Radio and television broadcasting station.
(2) Telephone business office.

(i) Community facilities as follows:
(1) Golf course and clubhouse, private.
(2) Neighborhood recreation center or swimming pool.
(3) Noncommercial club or lodge.
(4) Fraternal club or lodge.

(5) Utility structure necessary for the transmission or distribution of service (section 27-770).

(j) Construction contractors as follows:
(1) General building contractor.
(2) Heavy construction contractor.
(3) Special trade contractor.

(k) Education:
(1) College and university industry-associated research and training facilities.
(2) Vocational school.
(3) Private elementary, middle, or high school.

(l) Late-night establishment, unless the late-night establishment is located at or within one thousand five hundred (1,500) feet of any land zoned for residential use in which case a special permit shall be required.

(m) Nightclub, unless the late-night establishment is located at or within one thousand five hundred (1,500) feet of any land zoned for residential use in which case a special permit shall be required.

(n) Lodging uses as follows:
(1) Hotel.
(2) Motel.

(o) Manufacturing, as follows:
(1) Light malt beverage manufacturer.
(2) Light manufacturing establishment.

(p) Places of worship.

(q) Printing establishments, as follows:
(1) Bookbinding and related establishments.
(2) Photoengraving, typesetting, electrotyping and stereotyping.
(3) Publishing and printing establishment.

(r) Restaurant, drive through.

(s) Restaurant where accessory to a motel.

(t) Retail trade establishments, as follows:
(1) Accessory retail sales and services.
(2) Fuel and ice dealers, manufacturers and wholesalers.
(3) Incidental retail sales of goods produced and processed on the premises.
(4) Retail liquor store, as accessory use to hotel, motel, and high-rise office building.

(u) Services, personal, as follows:
(1) Barbershop and beauty shop.
(2) Business service establishment.
(3) Dry cleaning plant.

(4) Funeral home.
(5) Laundry and dry cleaning pickup station.
(6) Linen and diaper service, garment pressing, alteration and repair.
(7) Miscellaneous personal services.
(8) Reserved.
(9) Power laundries.
(10) Research and testing facilities and laboratories.

(v) Services, repair, as follows:
(1) Heavy repair services and trade shop.
(2) Home appliance repair and related service.
(3) Jewelry repair.
(4) Light repair service.
(5) Radio and television repair.
(6) Upholstery, furniture and major appliance repair.

(w) Services, medical and health, as follows:
(1) Private ambulances and medical services.
(2) Clinic and pharmacy.
(3) Medical and dental laboratory.
(4) Offices of health service practitioners.
(5) Nursing care facilities.

(x) Services, other, as follows:
(1) Engineering and architectural office.
(2) Finance, real estate, insurance office and financial institution.

(y) Transportation and storage uses as follows:
(1) Automobile parking.
(2) Heliport.
(3) Self-storage warehouse.
(4) Storage yard.
(5) Taxi stand and dispatching agency.
(6) Transportation equipment and vehicle storage and maintenance.
(7) Warehousing and storage.

(z) Wholesale trade as follows:
(1) Wholesale sales office.
(2) Wholesale trade and distribution establishment.

Sec. 27-619. - Accessory uses and structures.

The following accessory uses of land and structures shall be authorized in the M (Industrial) District:

(a) Accessory uses and structures incidental to any authorized use, including a single dwelling unit or mobile home to be used to house a security person on the premises.

(b) Signs in accordance with the provisions of Chapter 21 and this chapter.

Sec. 27-620. - Special permits.

The following uses and structures shall be authorized only by permits of the type indicated:

(a) *Special administrative permit from Community Development Department director:*
(1) Telecommunications tower or antenna, subject to requirements of section 27-779
(2) Temporary outdoor sales of merchandise.
(3) Art shows, carnival rides and special events of community interest (section 27-747(a)).
(4) Rodeos, horse shows, carnivals, athletic events and community fairs (section 27-747(b)).
(5) Temporary outdoor social, religious, entertainment or recreation activity where the time period does not exceed fourteen (14) days duration, adequate parking is provided on the site, and where the same lot or any portion thereof is so used for no more than one (1) such fourteen-day time period within any calendar year.

(b) *Special exception permit from the zoning board of appeals:* None.

(c) *Special land use permit from city council:*
(1) Bus or rail freight or passenger terminal.
(2) Crematory.
(3) Mines and mining operations, quarries, asphalt plants, gravel pits, and sand pits.
(4) Railroad car classification yards and team truck yards.
(5) Temporary outdoor sales, seasonal.
(6) Truck stop.
(7) Truck terminal.
(8) Late-night establishment where located at or within one thousand five hundred (1,500) feet of any land zoned for residential use.
(9) Nightclub where located at or within one thousand five hundred (1,500) feet of any land zoned for residential use.

Sec. 27-621. - Lot width; lot area; setbacks.

The following requirements shall apply to all lots and structures in the M (Industrial) District:

(a) *Lot width:* All lots shall have at least one hundred (100) feet of frontage as measured along the public street frontage.

(b) *Minimum lot area:* Thirty thousand (30,000) square feet.

(c) *Minimum setback requirements:*
(1) *From public street:*
a. *Front yard:* Seventy-five (75) feet.
b. *Side yard:* Twenty (20) feet, except where transitional buffer zone is required.
(2) *Rear yard:* Thirty (30) feet, except where transitional buffer zone is required.

Sec. 27-622. - Transitional buffer zone requirement.

Where a lot in the M (Industrial) District adjoins the boundary of any property which is zoned for any R classification, RM classification, MHP classification, or TND classification, a transitional buffer zone not less than seventy-five (75) feet in width shall be provided and maintained in a natural state. Said transitional buffer zone shall not be paved and shall not be used for parking, loading, storage or any other use, except where necessary to grade or modify a portion of the transitional buffer zone for the installation of utilities necessitated by the development. Water detention ponds shall not be located within transitional buffer zones. No trees, other than dead or diseased trees, shall be removed from said transitional buffer zone, but additional trees and plant material may be added to the transitional buffer zone. In addition, a screening fence not less than six (6) feet in height shall be erected and maintained either along the property line or within the transitional buffer zone separating the use from the adjoining residential use.

Sec. 27-623. - Lot coverage.

The lot coverage of each lot shall not exceed eighty (80) percent.

Sec. 27-624. - Height of buildings and structures.

No building or structure shall exceed five (5) stories in height. Buildings exceeding five (5) stories in height shall be permitted only upon approval of a special land use permit by the city council.

Sec. 27-625. - Off-street parking requirement.

Off-street parking requirements for uses and structures authorized and permitted in the M (Industrial) District are as follows:

(a) *Sexually oriented businesses:* One (1) parking space for each seventy-five (75) square feet of floor area in the building.

(b) *Ambulance services, delivery services and other similar services:* One (1) parking space for each vehicle plus one (1) additional space for each two (2) administrative or service employees.

(c) *Automobile repair garages:* One (1) space for each one hundred fifty (150) square feet of floor space.

(d) *Automobile service stations:* Three (3) spaces for each service bay, with minimum of ten (10) squares required.

(e) *Bowling alleys:* Five (5) spaces for each alley.

(f) *Child day care centers:* One (1) space for each two hundred (200) square feet of floor area.

(g) *Funeral homes and other places of assembly:* One (1) space for each three (3) seats in the main auditorium, or, where fixed seats are not utilized, one (1) space for each twenty-five (25) square feet of floor space in the largest assembly room utilized for seating.

(h) *Hotels and motels:* One and twenty-five hundredths (1.25) spaces for each unit.

(i) *Industrial, manufacturing, and commercial establishments not involving retail sales:* One (1) space for each two thousand (2,000) square feet of floor area.

(j) *Late-night establishment:* One (1) space for each seventy-five (75) square feet of floor area, but not less than ten (10) spaces.

(k) *Nightclub:* One (1) space for each seventy-five (75) square feet of floor area, but not less than ten (10) spaces.

(l) *Lodges, fraternal or social organizations:* One (1) space for each one hundred (100) square feet of floor area.

(m) *Nursing care facilities, and similar institutional uses:* One (1) space for each two (2) beds.

(n) *Offices and clinics:* One (1) space for each two hundred fifty (250) square feet of floor area.

(o) *Place of worship:* One (1) space for each three (3) seats in the main auditorium, or, where fixed seats are not utilized, one (1) space for each twenty-five (25) square feet of floor space in the largest assembly room utilized for public worship.

(p) *Public swimming pools, golf courses, neighborhood recreation centers, or similar uses:* Twenty (20) spaces except that an eighteen-hole golf course shall have forty (40) spaces.

(q) *Private swimming pools, golf courses, neighborhood recreation centers, or similar uses:* One (1) space for each five (5) members but no less than twenty (20) spaces except that golf courses shall provide a minimum of twenty (20) spaces for each nine (9) holes.

(r) *Recreational facilities:*
(1) *Fixed seating:* One (1) space for each two hundred (200) square feet of floor area.
(2) *With fixed seating:* One (1) space for each three (3) seats.

(s) *Restaurants:* One (1) space for each seventy-five (75) square feet of floor area, but not less than ten (10) spaces.

(t) *Restaurants, drive-through, without seating area for patrons:* One (1) space for each one hundred (100) square feet of floor area, but not less than ten (10) spaces.

(u) *Retail uses, personal service uses, and other commercial and general business uses:* Five and five-tenths (5.5) spaces for each one thousand (1,000) square feet of floor area.

(v) *Schools, private elementary and middle:* Two (2) spaces for each classroom.

(w) *Schools, private high:* Five (5) spaces for each classroom.

(x) *Schools and colleges, including trade and vocational schools:* Ten (10) spaces for each classroom.

(y) *Temporary outdoor social, religious, entertainment or recreation activity or flea market:* One (1) space for each one hundred (100) square feet of space used for such activity.

(z) *Wholesale or jobbing establishments and similar uses:* One (1) space for each two hundred (200) square feet of floor area devoted to sales or display plus one (1) space for each two thousand (2,000) square feet of gross storage area.

Sec. 27-626. – Reserved.

Sec. 27-627. - Landscaping requirement for parking lots.

See section 27-753, Landscaping requirements for parking lots.

Secs. 27-628—27-635. - Reserved.

DIVISION 28. - M-2 (INDUSTRIAL) DISTRICT

Sec. 27-636. - Scope of provisions.
Sec. 27-637. - Statement of purpose and intent.
Sec. 27-638. - Principal uses and structures.
Sec. 27-639. - Accessory uses and structures.
Sec. 27-640. - Special permits.
Sec. 27-641. - Lot width; lot area; setbacks.
Sec. 27-642. - Transitional buffer zone requirement.
Sec. 27-643. - Lot coverage.
Sec. 27-644. - Height of buildings and structures.
Sec. 27-645. - Off-street parking requirement.
Sec. 27-646. –Reserved.
Sec. 27-647. - Landscaping requirement for parking lots.
Sec. 27-648. - Signs.
Sec. 27-649. - Reserved.

Sec. 27-636. - Scope of provisions.

The provisions contained within this section are the regulations of the M-2 (Industrial) District.

Sec. 27-637. - Statement of purpose and intent.

The purpose and intent of the city council in establishing the M-2 (Industrial) District is as follows:

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EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30062

Revisions

Date	Description
2/16/16	REVISIONS PER CITY OF BROOKHAVEN (SETH YURMAN & TAYLOR BAXTER)
6/6/16	REVISIONS PER CITY OF BROOKHAVEN (MARK ZION & TAYLOR BAXTER)

GEORGIA REGISTERED No. 13527 PROFESSIONAL ENGINEER RUSSELL K. SCHLECHT

GSWCC LEVEL II CERTIFICATION NUMBER: 0000045584

APPLICABLE ZONING CONDITIONS

DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

ENGINEER: EARTHCON CONSULTANTS, INC.
1880 WEST OAK PARKWAY
BUILDING 100, SUITE 106
MARIETTA, GEORGIA 30062
770-973-2100

OWNER & 24-HOUR CONTACT: ROLLINS CONTINENTAL, INC
GARY ROGERS
2170 PIEDMONT ROAD, N.E.
ATLANTA, GEORGIA 30324
404-888-2831

Drawn by: S. Williams
Checked by: R. Schlecht
Scale: AS SHOWN
Project Number:
Date: 2/25/2016
Sheet: 15

FILENAME: detail site fg ssw 2.dwg

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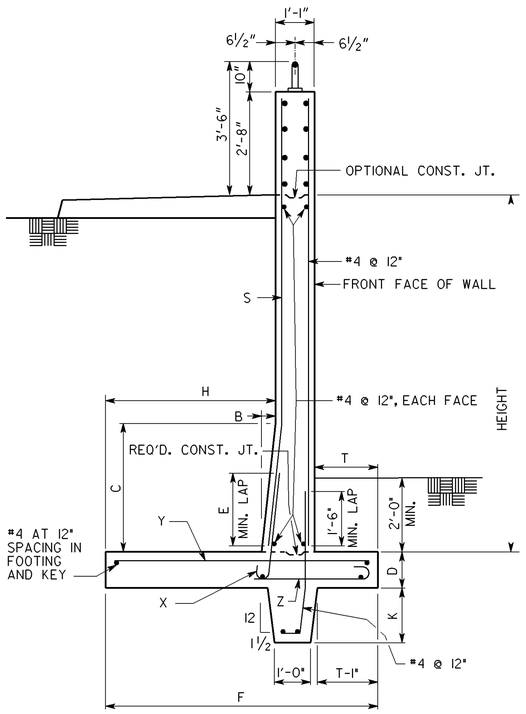
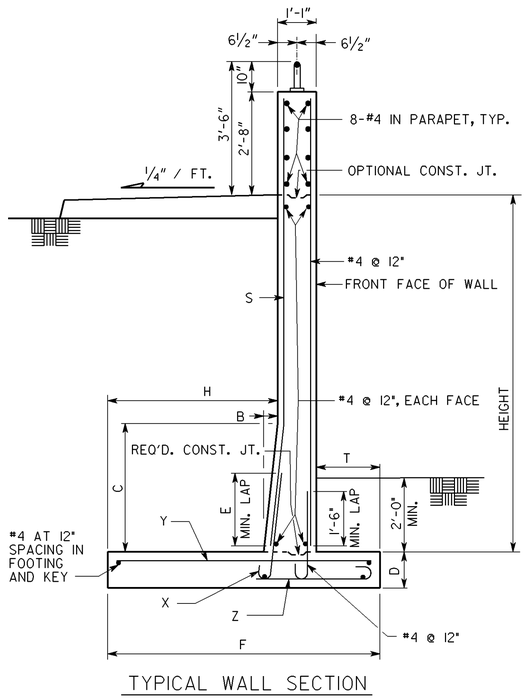
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

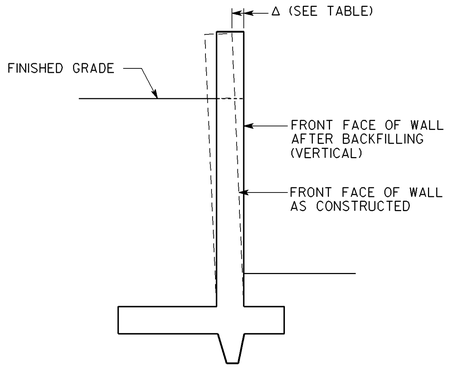


WALL SECTION WITH KEY

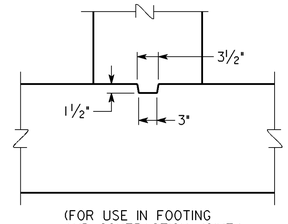


TYPICAL WALL SECTION

⚠1 NOTE:
PARAPET RETAINING WALL SHALL BE USED ONLY ADJACENT TO ROADWAY TYPICAL SECTIONS WITH CURB AND GUTTER AND SIDEWALKS. NOT TO BE USED ADJACENT TO ROADWAY SHOULDER, BICYCLE TRAFFIC OR FILL SLOPE.

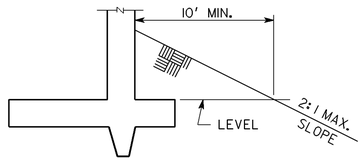


WALL BATTER DETAIL

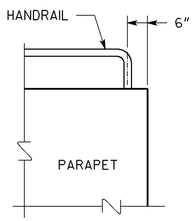


(FOR USE IN FOOTING AND CONTRACTION JOINT.)

SHEAR KEY DETAIL



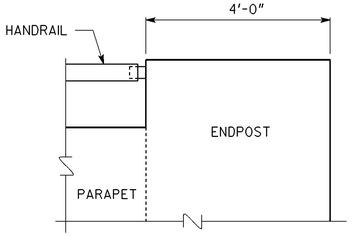
DETAIL FOR SLOPE IN FRONT OF WALL



SECTION AT PARAPET

OPTION 1

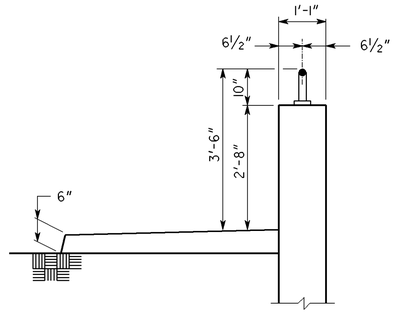
SEE GA. STD. 3054 FOR GUARDRAIL ATTACHMENT DETAILS.



SECTION AT ENDPOST

OPTION 2

SEE GA. STD. 3054 FOR GUARDRAIL ATTACHMENT DETAILS.



PARAPET AND HANDRAIL DETAIL

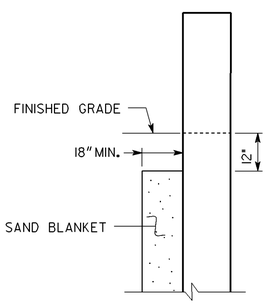
OPTION 1

SEE GA. STD. 3054 FOR GUARDRAIL ATTACHMENT DETAILS & GA. STD. 9031-R FOR HANDRAIL ATTACHMENT DETAILS. OPTION I SHALL BE USED UNLESS THE PLANS SPECIFY OPTION 2.

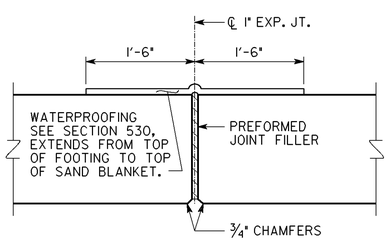
WALL DIMENSIONS									REINFORCEMENT				Δ (INCHES)	DESIGN SOIL PRESSURE	TYPE
HEIGHT	B	C	D	E	F	H	T	K	S	X	Y	Z			
4'	0	0	1'-0"	2'-0"	5'-10"	3'-9"	1'-0"	0	#5 AT 12"	#5 AT 12"	#5 AT 13"	#4 AT 12"	0	2.0 KSF	P1
6'	0	0	1'-0"	2'-0"	6'-7"	4'-3"	1'-3"	0	#5 AT 11"	#5 AT 11"	#5 AT 12"	#4 AT 12"	1/8"	2.0 KSF	
8'	0	0	1'-0"	2'-9"	7'-4"	4'-9"	1'-6"	0	#6 AT 11"	#6 AT 11"	#5 AT 8"	#4 AT 12"	1/4"	2.0 KSF	P2
10'	0	0	1'-3"	3'-9"	7'-10"	5'-0"	1'-9"	0	#7 AT 10"	#7 AT 10"	#6 AT 10"	#4 AT 12"	3/8"	2.5 KSF	
12'	6"	4'	1'-3"	3'-9"	8'-4"	5'-3"	2'-0"	6"	#7 AT 11"	#7 AT 11"	#6 AT 8"	#4 AT 8"	1/2"	3.0 KSF	P3
14'	6"	6'	1'-3"	6'-3"	9'-7"	5'-9"	2'-9"	12"	#9 AT 12"	#9 AT 12"	#8 AT 11"	#5 AT 9"	11/16"	3.0 KSF	

NOTES:

1. AT CONTRACTOR'S OPTION, SIDES OF KEY MAY BE VERTICAL. MAINTAIN WIDTH SHOWN AT TOP OF KEY.
2. PLACE WEEPHOLES AND SAND BLANKET AS SHOWN ON GA. STD. 4948B.
3. PROVIDE A TYPE III FINISH ON ALL EXPOSED CONCRETE SURFACES.
4. PROVIDE 1" EXPANSION JOINTS IN WALL STEM, FOOTING AND KEY AT A MAXIMUM SPACING OF 100'. SPACE EXPANSION JOINTS UNIFORMLY. STOP ALL LONGITUDINAL REINFORCEING STEEL IN THE STEM, FOOTING AND KEY 3" CLEAR OF THE EXPANSION JOINTS.
5. SPACE CONTRACTION JOINTS IN WALL STEM AT 30' MAXIMUM AND 20' MINIMUM. STOP ALL LONGITUDINAL REINFORCING STEEL IN THE STEM 2" CLEAR OF THE CONTRACTION JOINTS.
6. WATERPROOF EXPANSION AND CONTRACTION JOINTS IN THE WALL STEM ON THE BACK SIDE. EXTENT OF WATERPROOFING SHALL BE FROM TOP OF SAND BLANKET TO THE TOP OF FOOTING FOR 1'-6" MINIMUM EACH SIDE OF JOINT. SEE SECTION 530 OF THE GEORGIA DOT SPECIFICATIONS.
7. RETAINING WALL DESIGN DATA:
   SOIL PROPERTIES ---------- Φ = 28°
   γ = 110 pcf
   μ = 0.45
   CONCRETE ---------- CLASS A, f'_c = 3000 PSI
   REINFORCEMENT STEEL ---------- GRADE 60, f_y = 60,000 PSI
8. A GEOCOMPOSITE WALL DRAIN SELECTED FROM THE DEPARTMENT'S QUALIFIED PRODUCTS LIST IS AN ACCEPTABLE SUBSTITUTE FOR THE SAND BLANKET SHOWN IN THE DRAINAGE DETAILS.
9. MAINTAIN 2" COVER ON ALL REINFORCING STEEL IN THE STEM AND 3" COVER IN THE FOOTING AND KEY.
10. THE WALL WILL BE MEASURED ALONG THE INSIDE FACE OF PARAPET.
11. BACKFILL - PLACE BACKFILL ON FRONT FACE SIDE OF WALL BEFORE BACKFILLING BACK FACE SIDE OF WALL.
12. RETAINING WALL WILL BE PAID FOR PER LINEAR FOOT PARAPET RETAINING WALL TYPE P1, P2 OR P3. INCLUDE COSTS FOR HANDRAIL, WATERPROOFING, EXCAVATION, BACKFILLING, DRAINAGE BLANKET, CONCRETE, REINFORCING STEEL AND ALL INCIDENTALS IN PRICE BID. PAYMENT WILL BE MADE UNDER ITEM NO. 500, PARAPET RETAINING WALL - TYPE P1, P2 OR P3.

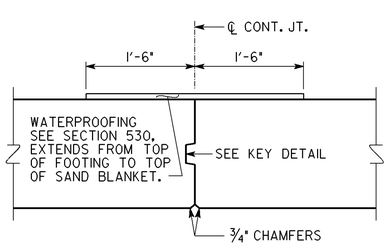


SAND BLANKET DETAIL



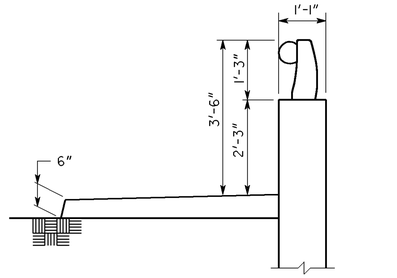
DETAIL OF EXPANSION JOINT

SCALE: 1" = 1'-0"



DETAIL OF CONTRACTION JOINT

SCALE: 1" = 1'-0"



PARAPET AND HANDRAIL DETAIL

OPTION 2

SEE GA. STD. 3054 FOR GUARDRAIL ATTACHMENT DETAILS & GA. STD. 3626 FOR HANDRAIL DETAILS.

DATE	REVISION	BY
7-7-04	ADDED NOTE	SWW

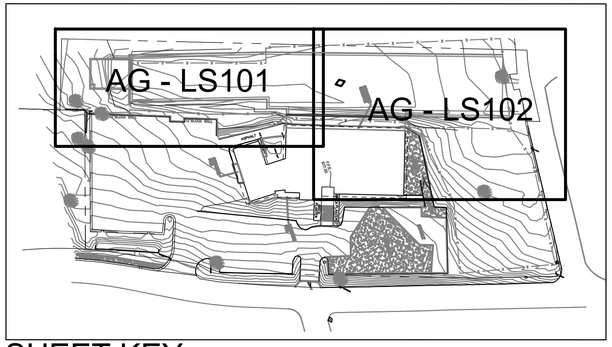
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

PARAPET RETAINING WALL
TYPE P1, P2 AND P3

NO SCALE — JULY 2003

DESIGNED SWW	DESIGN GROUP SWW	NUMBER
DRAWN KHM/WMC	REVIEWED JPT/MCD	PW-1
CHECKED SWW	APPROVED PVL	

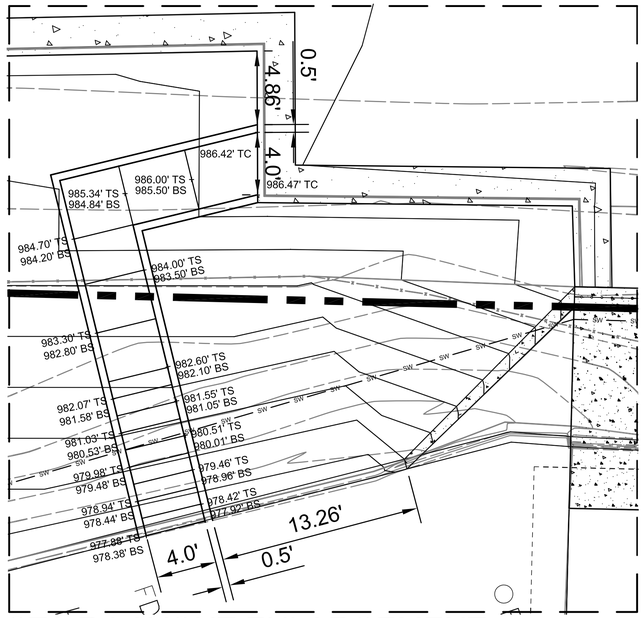


SHEET KEY
SCALE 1:80

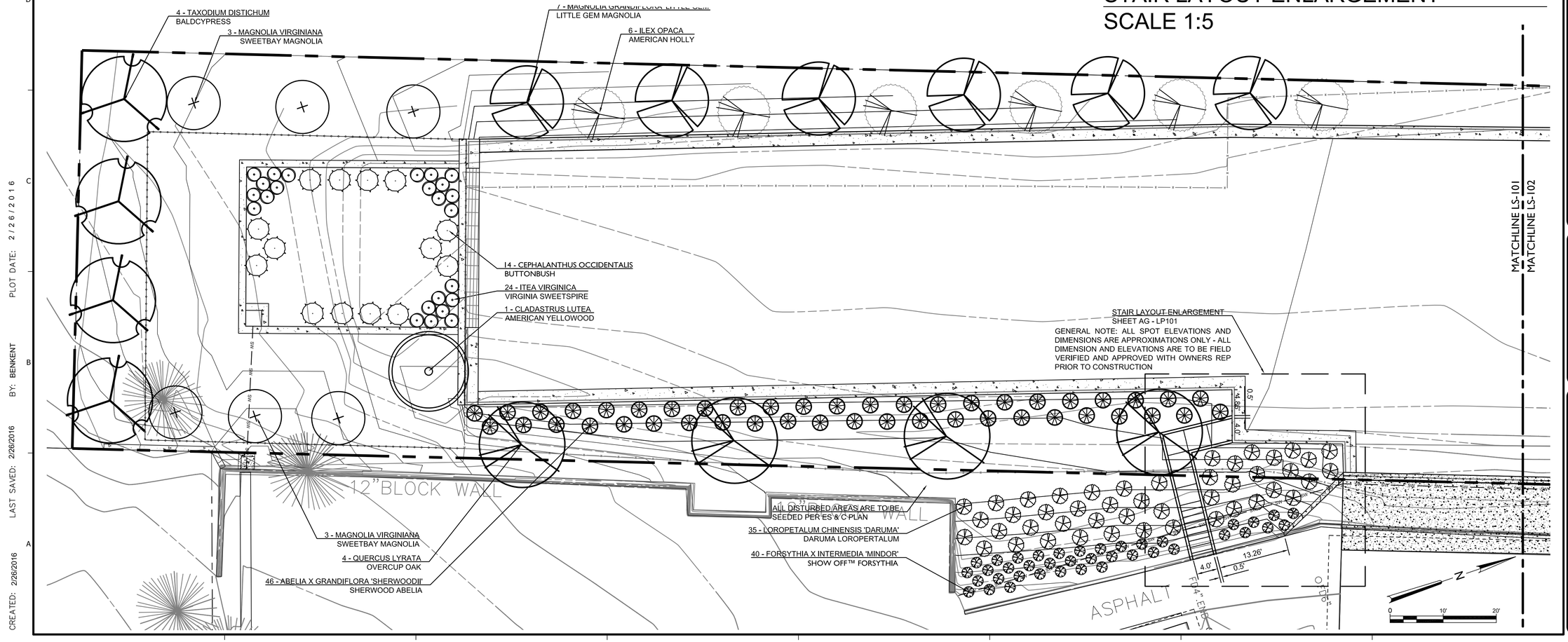
	COMMON NAME BOTANICAL NAME	SIZE	SPACING	QTY	% TOTAL	NOTES
	TREES					
	TAXODIUM DISTICHUM 'AUTIMN GOLD' AUTUMN GOLD BALDCYPRESS	3" CAL.	AS INDICATED	4	14.29%	
	MAGNOLIA GRANDIFLORA 'LITTLE GEM' LITTLE GEM MAGNOLIA	3" CAL.	AS INDICATED	7	25.00%	
	MAGNOLIA VIRGINIANA SWEETBAY MAGNOLIA	3" CAL.	AS INDICATED	9	21.43%	TREE FORM
	ILEX OPACA AMERICAN HOLLY	3" CAL.	AS INDICATED	6	21.43%	FULL TO GROUND
	CLADASTRUS LUTEA AMERICAN YELLOWOOD	3" CAL.	AS INDICATED	1	3.57%	
	QUERCUS LYRATA OVERCUP OAK	3" CAL.	AS INDICATED	4	14.29%	
	SHRUBS					
	ABELIA X GRANDIFLORA 'SHERWOODII' SHERWOOD ABELIA	2 GAL.	AS INDICATED	46	N/A	DWARF
	LOROPETALUM CHINENSIS 'DARUMA' DARUMA LOROPETALUM	2 GAL.	AS INDICATED	45	N/A	DWARF TO SMALL
	ITEA VIRGINICA LVIRGINIA SWEETSPIRE	2 GAL.	AS INDICATED	14	N/A	SMALL TO MED.
	CEPHALANTHUS OCCIDENTALIS BUTTONBUSH	2 GAL.	AS INDICATED	7	N/A	MEDIUM
	FORSYTHIA X INTERMEDIA 'MINDOR' SHOW OFF™ FORSYTHIA	QUART	AS INDICATED	40	N/A	SMALL

CITY OF BROOKHAVEN TREE REPLACEMENT NOTES

- NO SPECIMEN TREES ARE LOCATED ON THIS PARCEL
- REQUIRED 120" DBH PER ACRE STANDARD; 60" DBH PER ACRE PER VARIANCE
- SITE = .94 ACRE
- .94 ac * 120" DBH = 113" DBH TO BE PLANTED STANDARD; 60" DBH PER VARIANCE
- 113" DBH / 3" CALIPER = 38 - 3" CALIPER TREES TO BE PLANTED STANDARD; 60" DBH / 3" CALIPER = 20 - 3" CALIPER TREES TO BE PLANTED PER VARIANCE



STAIR LAYOUT ENLARGEMENT
SCALE 1:5



CREATED: 2/26/2016 LAST SAVED: 2/26/2016 BY: BENKENT PLOT DATE: 2/26/2016

GEORGIA REGISTERED LANDSCAPE ARCHITECT NO. LA001626 BENJAMIN T. KENT

Solutions Naturally
Arborguard Tree Specialists
111 North Clarendon Avenue
Avondale Estates, Georgia 30002
info@tsorguard.com

EARTHCON CONSULTANTS, INC.
DETTEL LANDSCAPE PLAN
1251 PARK AVENUE
BROOKHAVEN, GA 30319

LOCAL ISSUING AUTHORITY
CITY OF BROOKHAVEN

REV	DATE	REVISION DESCRIPTION

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE OR GOVERNING TECHNICAL SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.

PROJECT NO: JATL084195

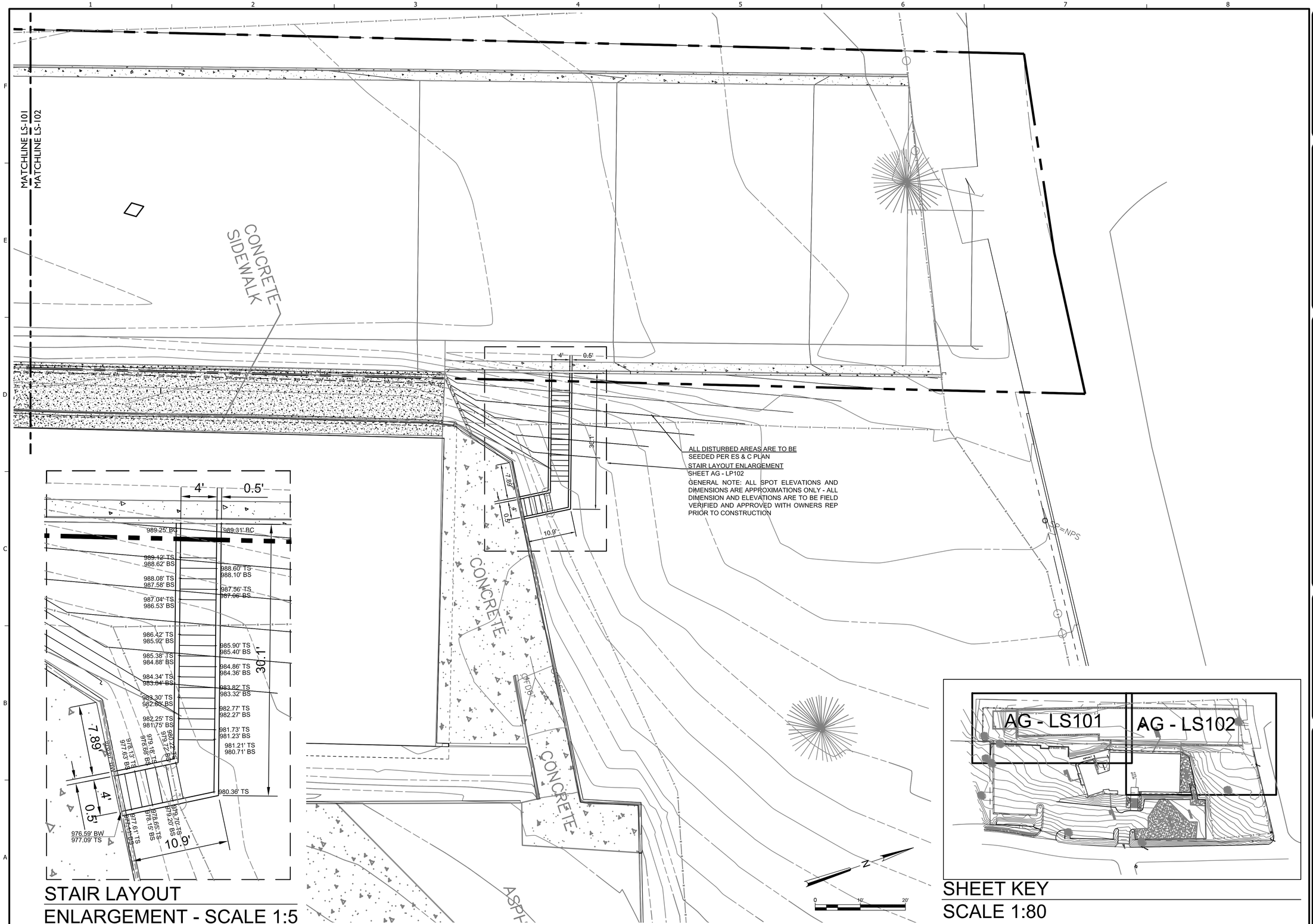
DATE: 02/24/2016

DISC. LEAD:	DESIGNER:	CHECKER:
----	BK	

SHEET TITLE

LANDSCAPE PLAN

SHEET AG-LP101



STAIR LAYOUT
ENLARGEMENT - SCALE 1:5

SHEET KEY
SCALE 1:80

PLOT DATE: 2/26/2016
BY: BENKENT
LAST SAVED: 2/26/2016
CREATED: 2/26/2016

GEORGIA REGISTERED LANDSCAPE ARCHITECT No. LA001626 BENJAMIN J. KENT

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PROJECT NO: JATL084195
DATE: 02/24/2016

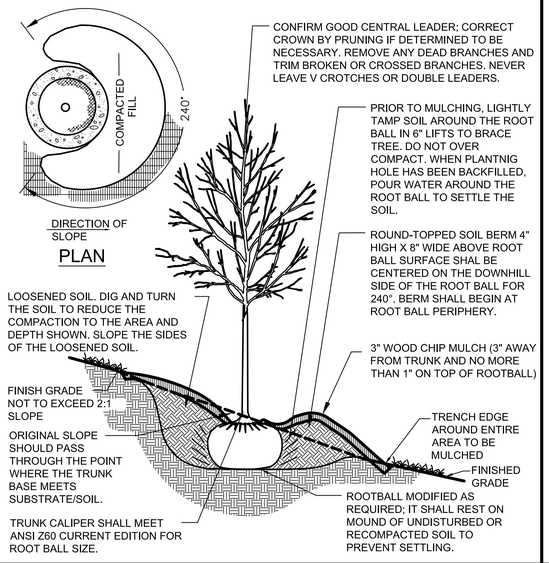
DISC. LEAD:	DESIGNER:	CHECKER:
----	BK	

SHEET TITLE

LANDSCAPE PLAN

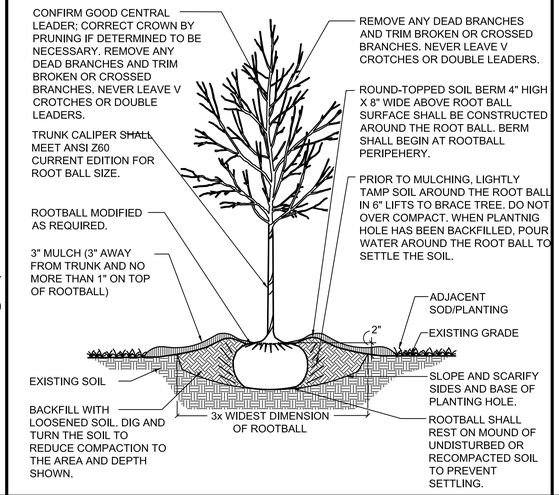
SHEET AG-LP102

NOTES:
1) WATERING BAGS ARE RECOMMENDED FOR NEWLY PLANTED TREES IF SITE IS NOT IRRIGATED.
2) WHEN THE TREE IS MOVED, THE ROOTBALL SHOULD ALWAYS BE SUPPORTED. TREES SHOULD NEVER BE HANDLED BY THE TRUNK.



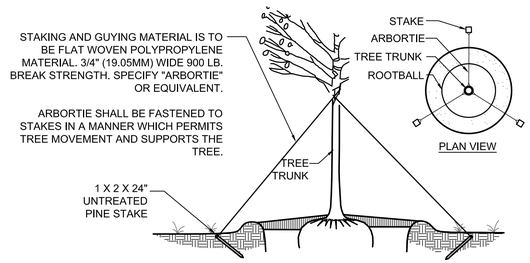
CITY OF CHAMBLEE STANDARD TREE PLANTING DETAIL ON SLOPES (5% TO 50%)
NTS

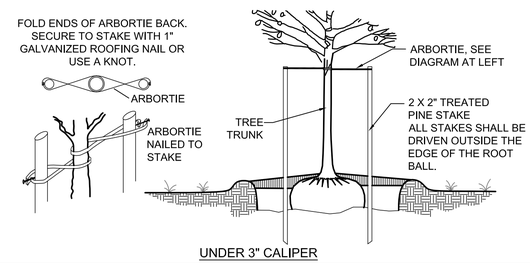
NOTES:
1) SET TOP OF ROOT BALL A MINIMUM OF 2" ABOVE ADJACENT FINISH GRADE AND MOUND BACKFILL FLUSH WITH TOP OF ROOT BALL.
2) CUT AND BEND BACK TOP AND SIDES OF WIRE BASKET TO A MINIMUM OF 12" BELOW THE TOP OF THE ROOT BALL BEFORE FINAL BACKFILLING OF ROOT BALL.
3) CUT AND REMOVE BURLAP AND TWINE FROM TOP HALF OF BALL AFTER THE BALL HAS BEEN BACKFILLED.



CITY OF CHAMBLEE STANDARD TREE PLANTING DETAIL TO 4" CALIPER (BALLED AND BURLAPPED)
NOT TO SCALE

NOTES:
1) THIS DETAIL ONLY ADDRESSES STAKING REQUIREMENTS.
2) STAKING IS ONLY TO BE INSTALLED AT THE RECOMMENDATION OF THE APPLICANT'S DESIGN PROFESSIONAL AND/OR LANDSCAPE CONTRACTOR. IF USED, STAKING SHALL BE INSTALLED AS INDICATED.
3) METAL, WIRE OR PLASTIC STAKING AND GUYING MATERIAL IS PROHIBITED.
4) OTHER STAKING METHODS, SUCH AS A ROOTBALL BRACING ("STAPLE") OR OTHER METHOD, MAY ALSO BE APPROVED BY THE CITY; DESIGN PROFESSIONAL/CONTRACTOR TO PROVIDE DETAIL(S) AND/OR SPECIFICATIONS.
5) TREE STAKING MUST BE REMOVED BY THE APPLICANT BY THE END OF THE TWO YEAR ESTABLISHMENT PERIOD.

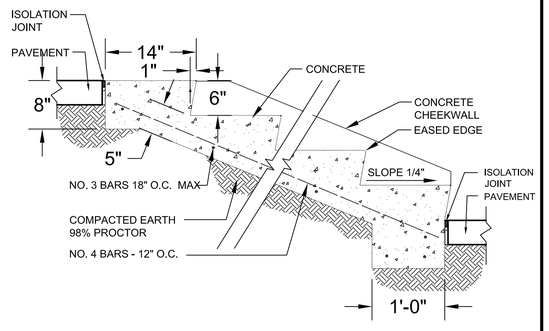




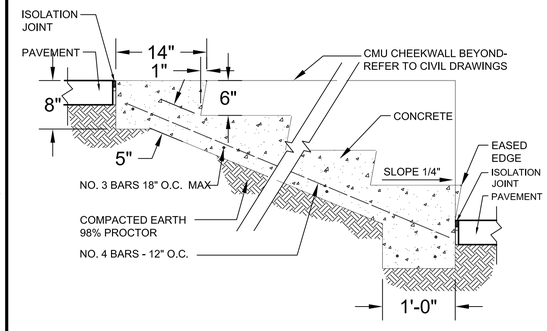
CITY OF CHAMBLEE STANDARD TREE STAKING DETAIL (IF REQUIRED)
NOT TO SCALE

PLANTING NOTES:

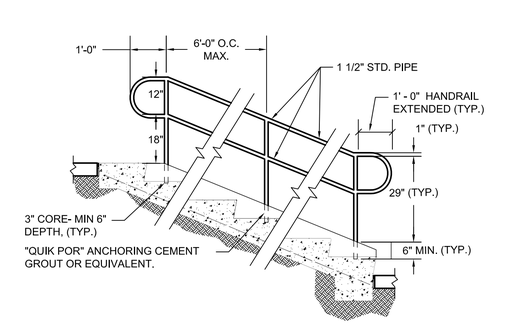
1. CONTRACTOR'S PRICE SHALL INCLUDE ALL LABOR AND MATERIAL NECESSARY TO COMPLETE THE WORK, I.E. MULCH, PLANTING, SOIL MIX, STAKING MATERIAL, WATERING, MAINTENANCE DURING CONSTRUCTION, ETC.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL MATERIAL QUANTITIES SHOWN ON THESE DRAWINGS BEFORE PRICING THE WORK, AND WILL BE RESPONSIBLE FOR INSTALLATION OF PLANT MATERIAL ACCORDING TO PLAN. THE PLANT SCHEDULE IS PROVIDED FOR CONTRACTOR'S CONVENIENCE ONLY.
3. PROVIDE PLANT MATERIALS TRUE TO SPECIES AND VARIETY COMPLYING WITH RECOMMENDATIONS OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERY MEN.
4. PLANTING PLANS INDICATE DIAGRAMMATIC LOCATIONS ONLY. SITE ADJUSTMENTS OF PLANTING DESIGN AND RELOCATION OF PLANT MATERIAL INSTALLED PRIOR TO DESIGN PROFESSIONAL OR OWNER'S REPRESENTATIVE'S APPROVAL SHALL BE DONE WITHOUT PENALTY OR ADDITIONAL COST TO OWNER. STAKE PLANT LOCATIONS AT SITE AND OBTAIN OWNER'S REPRESENTATIVE'S APPROVAL PRIOR TO PLANT INSTALLATION.
5. LOCATE AND VERIFY ALL UTILITY LOCATIONS AND EXISTING STRUCTURES IN AND AROUND THE SITE PRIOR TO WORK. BE FAMILIAR WITH UNDERGROUND UTILITIES BEFORE DIGGING. MAINTAIN EXISTING UTILITIES AND STRUCTURES AND PROTECT AGAINST DAMAGE DURING THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO EXISTING UTILITIES, STRUCTURES, PAVING AND/OR WORK OF OTHER TRADES RESULTING FROM LANDSCAPE CONSTRUCTION.
6. WARRANTY: THE CONTRACTOR SHALL COMPLETELY WARRANTY ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION. MAINTENANCE WORK SHALL BE PERFORMED UNTIL DATE OF FINAL ACCEPTANCE BY OWNER. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE WARRANTY PERIOD (AS DIRECTED BY THE OWNER).
7. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO DATE OF SUBSTANTIAL COMPLETION OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL THE PLANT LIST SPECIFICATIONS.
8. DESIGN PROFESSIONAL OR OWNER'S REPRESENTATIVE SHALL BE THE SOLE JUDGE OF THE QUALITY AND ACCEPTABILITY OF MATERIALS AND PLACEMENT.
9. PLANTS SHALL BE SPECIMEN QUALITY, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF DISEASES, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS AND/OR DISFIGUREMENT.
10. HEIGHT AND SPREAD DIMENSIONS SPECIFIED REFER TO THE MAIN BODY OF THE PLANT AND NOT FROM BRANCH TIP TO TIP. IF A RANGE OF SIZE IS GIVEN, NO PLANT SHALL BE LESS THAN THE MINIMUM SIZE AND NOT LESS THAN 50 PERCENT OF THE PLANTS SHALL BE AS LARGE AS THE MAXIMUM SIZE SPECIFIED.
11. HARDWOOD TREES SHALL HAVE STRAIGHT TRUNKS WITH CENTRAL LEADERS. DO NOT HANDLE PLANTS BY THE TRUNK.
12. PLACE PLANTS UPRIGHT AND TURNED SO THAT THE MOST ATTRACTIVE SIDE IS VIEWED.
13. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
14. WATERING AFTER INSTALLATION AND WATER TRANSPORTATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IF DRAINAGE IS NOT SUFFICIENT NOTIFY PROJECT OWNER'S REPRESENTATIVE IN WRITING BEFORE INSTALLING THE PLANTS, OTHERWISE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR THE GUARANTEE AND LIVABILITY OF THE PLANT.
15. MULCH: PROVIDE 3" THICKNESS MULCH AT ALL PLANTS AND PLANTING BEDS. UTILIZE SHREDDED, AGED HARDWOOD MULCH.
16. LEAVES: MUST BE OF MEDIUM FOLIAGE, ALL GOOD LEAVES, MAXIMUM OF 10% CHLOROSIS ALLOWED, WITH NO EXTREME SUCCULENCE.
17. UNLESS OTHERWISE SPECIFIED DUE TO SOIL CONDITIONS, SET ROOT FLARE OF ROOTBALL LEVEL WITH SURROUNDING GRADE. ROOT SYSTEM SHALL BE AS SPECIFIED IN PLANT SCHEDULE:
    17.1. BALLED AND BURLAPPED: ROOTS MUST BE STURDILY ESTABLISHED IN BALL THAT HAS BEEN TIGHTLY WRAPPED AND SECURELY TIED WITH TWINE OR WIRE, OR PINNED. WHERE WIRE BASKETS ARE USED ON TREES OR SHRUBS, CUT BURLAP AND WIRE BACK TO ¼ THE BASE OF ROOTBALL AND REMOVE FROM PLANTING HOLE. REMOVE ALL STRAPS, WIRE STRAP HANGERS, ETC, FROM ROOTBALL. DO NOT ALLOW REMAINING WIRE TO PROTRUDE INTO MULCH OR TOPSOIL AREAS.
    17.2. CONTAINER GROWN: CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING DESIGN PROFESSIONAL OF ROOT BOUND SPECIMENS. REMOVE CONTAINER AND SCARIFY OR SHAVE ROOTBALL AS NEEDED TO REMEDIATE ROOT BOUND CONDITION. PULL SURFACE ROOTS AT TOP OF ROOTBALL OUT IN A DIRECTIONAL PATTERN TO DISCOURAGE CIRCLING ROOTS.
18. STAKING IS ONLY TO BE INSTALLED IN SPECIAL CIRCUMSTANCES AT THE DIRECTION OF THE DESIGN PROFESSIONAL. ANY STAKING MATERIAL MUST BE REMOVED AT THE END OF THE WARRANTY PERIOD.



CONCRETE STEPS A
NTS



CONCRETE STEPS B
NTS



HANDRAIL ELEVATION
NTS

EARTHCON CONSULTANTS, INC.
DETTEL LANDSCAPE PLAN
1251 PARK AVENUE
BROOKHAVEN, GA 30319

LOCAL ISSUING AUTHORITY
CITY OF BROOKHAVEN

REV	DATE	REVISION DESCRIPTION

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PROJECT NO: JATL084195

DATE: 02/24/2016

DISC. LEAD:	DESIGNER:	CHECKER:
----	BK	

SHEET TITLE

LANDSCAPE DETAILS

SHEET AG-LP201

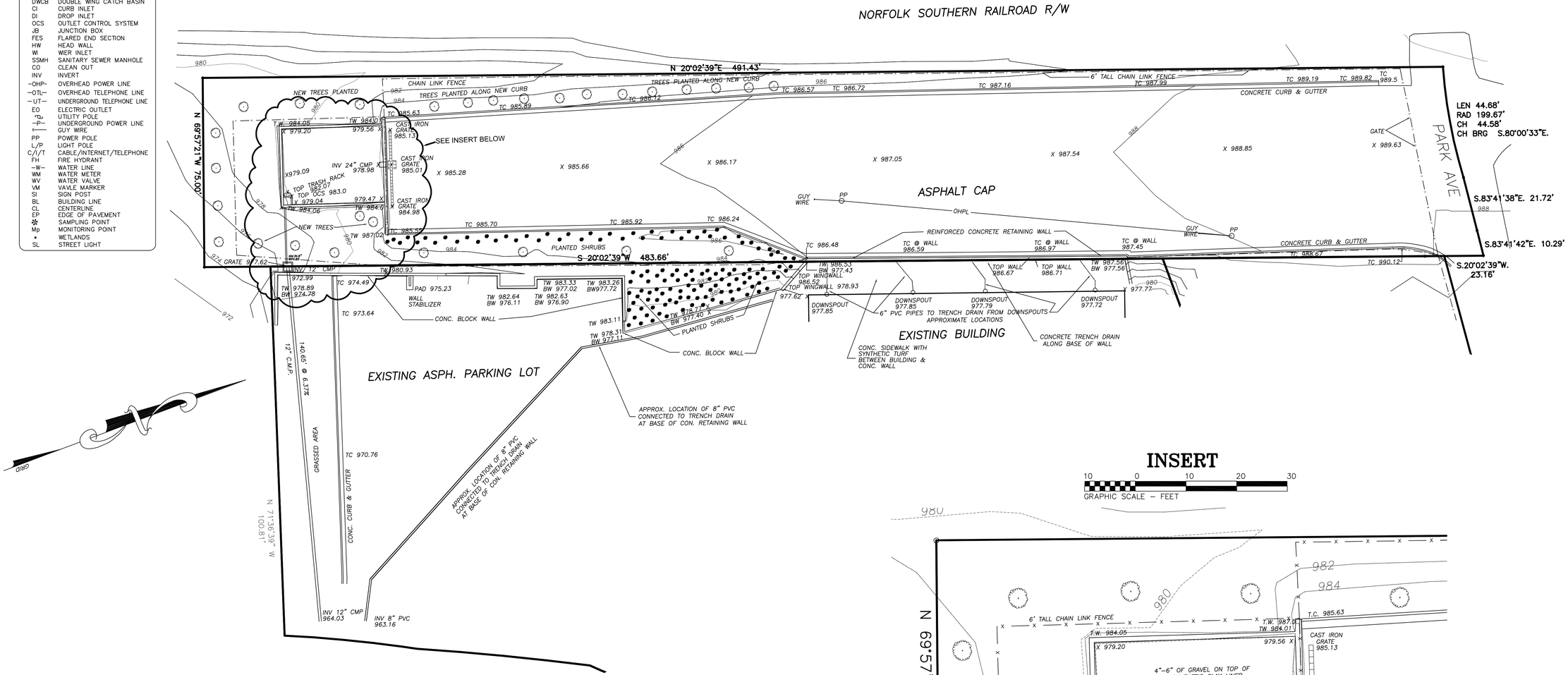
CREATED: 2/26/2016
LAST SAVED: 2/26/2016
BY: BENKENT
PLOT DATE: 2/26/2016

APPENDIX L

As-Built Survey

LEGEND :

POB	POINT OF BEGINNING
LLL	LAND LOT LINE
R/W	RIGHT OF WAY
N/F	NOW OR FORMERLY
CTF	CRIMP TOP FOUND
RBF	REBAR FOUND
OTF	OPEN TOP FOUND
RBS	REBAR SET
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE
PVC	POLYVINYLCHLORIDE PIPE
SWCB	SINGLE WING CATCH BASIN
DWCB	DOUBLE WING CATCH BASIN
CI	CURB INLET
DI	DROP INLET
OCS	OUTLET CONTROL SYSTEM
JB	JUNCTION BOX
FES	FLARED END SECTION
HW	HEAD WALL
WI	WIER INLET
SSMH	SANITARY SEWER MANHOLE
CO	CLEAN OUT
INV	INVERT
-OHP-	OVERHEAD POWER LINE
-OTL-	OVERHEAD TELEPHONE LINE
-UT-	UNDERGROUND TELEPHONE LINE
EO	ELECTRIC OUTLET
	UTILITY POLE
-P-	UNDERGROUND POWER LINE
	GUY WIRE
PP	POWER POLE
L/P	LIGHT POLE
C/I/T	CABLE/INTERNET/TELEPHONE
FH	FIRE HYDRANT
-W-	WATER LINE
WM	WATER METER
WV	WATER VALVE
VM	VAVLE MARKER
SI	SIGN POST
BL	BUILDING LINE
CL	CENTERLINE
EP	EDGE OF PAVEMENT
SP	SAMPLING POINT
Mp	MONITORING POINT
*	WETLANDS
SL	STREET LIGHT



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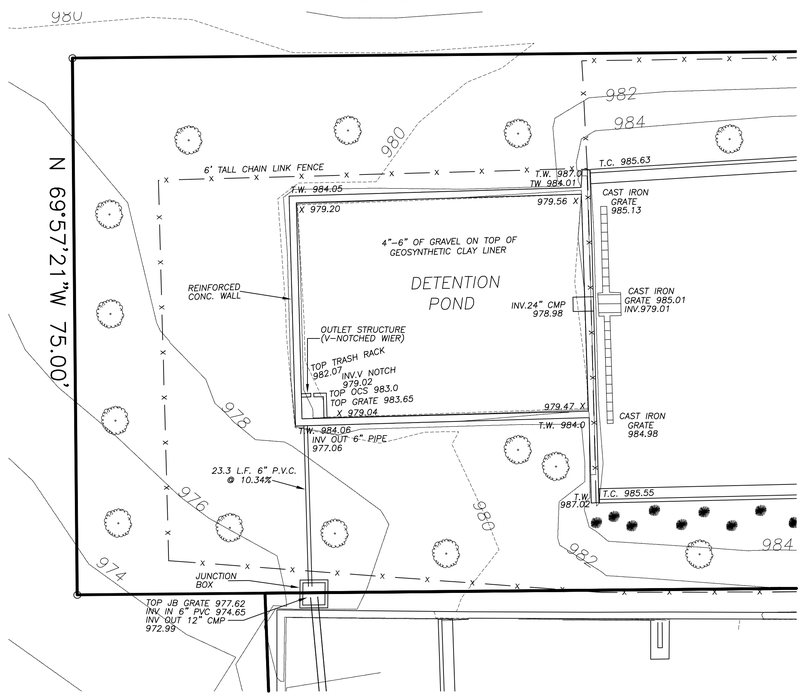

811

KNOW WHAT'S BELOW, CALL BEFORE YOU DIG
IF YOU DIG GEORGIA ... CALL FIRST!

THE EXISTING UTILITIES SHOWN ON THIS PLAN WERE OBTAINED FROM VARIOUS UTILITY COMPANIES, VARIOUS GOVERNMENTAL AGENCIES, AND ABOVE GROUND OBSERVATION. THE SURVEYOR AND/OR ENGINEER MAKE NO CLAIM TO THE COMPLETENESS OF THIS INFORMATION. THE SIZE, LOCATION, OR ADDITIONAL UTILITIES MAY BE UNCOVERED UPON EXCAVATION. PRIOR TO BEGINNING ANY EARTH DISTURBING ACTIVITIES, THE UTILITY PROTECTION SERVICE FOR THIS AREA MUST BE NOTIFIED.

PARCEL IDENTIFICATION: 18 241 05 016

COUNTY:	DEKALB
DISTRICT/SECTION	
LAND LOT(S):	
DATE:	01/25/18
SCALE:	AS SHOWN
JOB NO.:	16084

CONSULTANTS
SURVEYORS
ENGINEERS
PLANNERS

RINGO ABERNATHY & ASSOCIATES

174 DACULA ROAD – DACULA, GA. 30019
Phone (770) 962-8456

ASBUILT LOCATIONS FOR:

DETTELBACH PESTICIDE WAREHOUSE

1251 PARK AVENUE, ATLANTA (BROOKHAVEN)
DEKALB COUNTY, GEORGIA

REVISIONS	NO.	DATE

SHEET
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1 OF 1

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