



Environmental Challenges
BUSINESS SOLUTIONS®

EarthCon Consultants, Inc.

1880 West Oak Parkway

Building 100, Suite 106

Marietta, Georgia 30062

P: 770-973-2100

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www.earthcon.com

February 23, 2017

Mr. David Hayes
Unit Coordinator
Response and Remediation Program
Georgia Department of Natural Resources
Environmental Protection Division
2 Martin Luther King, Jr. Drive, SE
Suite 1054 East
Atlanta, Georgia 30334

**Subject: Second VRP Progress Report
Dettelbach Pesticide Warehouse Site, HSI No. 10612
1251 Park Avenue, Atlanta, DeKalb County, Georgia
EarthCon Project No. 02.20140272.00**

Dear Mr. Hayes:

EarthCon Consultants, Inc. (EarthCon), on behalf of our client Rollins, Inc. is pleased to submit this Voluntary Remediation Program (VRP) Progress Report for the Dettelbach Pesticide Warehouse Site (HSI No. 10612) located in Atlanta, Dekalb County, Georgia. This Progress Report is submitted pursuant to Section 12-8-107(b) of the Voluntary Remediation Program Act and summarizes activities at the Site from August 27, 2016 through February 23, 2017.

EPD requires that a professional geologist or engineer oversee the implementation of the VRP in accordance with the provisions, purposes, standards and policies of the VRPA. During the six-month period from August 2016 through February 2017, Mr. Russell K. Schlecht, P.E. oversaw the VRP activities at the Site. Those activities included but were not limited to the following:

- Pre-bid meeting with potential bidders
- Contract award
- Construction start-up
- Installation of sediment and erosion control structural best management practices (BMP) elements
- Additional impacted soil delineation sampling and analysis
- Excavation limits sampling and analysis
- Excavated soil characterization
- Meeting with EPD to discuss construction details
- Construction of the storm water detention pond
- Utility pole relocation

A report summarizing the results of the additional delineation and excavation limits sampling and analysis activities is included as Attachment A to this semi-annual report. Copies of selected

construction drawings for the asphalt cap used to obtain the City of Brookhaven land disturbance permit and also used for obtaining contractor bids are included as Attachment B.

The tentative schedule for activities to be conducted during the next 6-month reporting period include:

<u>Activity</u>	<u>Date</u>
• Initiate retaining wall removal/relocation and soil removal	February 27, 2017
• Report of pesticide delineation at SB-14 and SB-32 area	March 1, 2017
• Report of previous soil sampling and analysis activities	March 10, 2017
• Complete asphalt cap subgrade preparation	March 31, 2017
• Complete asphalt cap/curb and gutter construction	April 7, 2017
• Install landscaping materials	April 14, 2017
• Site cleanup and remedy completion	May 1, 2017
• Submit third VRP Progress Report	August 26, 2017

If you have any questions regarding this Progress Report, please feel free to contact the undersigned at (770) 973-2100.

Sincerely,



Samantha Woolf, EIT
Staff Engineer



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

cc: Mr. Bill Williams, Georgia EPD
Mr. Gary Rogers, Rollins, Inc.

Attachment A: Summary of Remedy Implementation Sampling and Analysis Activities
Wooded Area at Southern Property Line

Attachment B: Selected Construction Drawings for Asphalt Cap

ATTACHMENT A

Summary of Remedy Implementation Sampling and Analysis Activities



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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.

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.

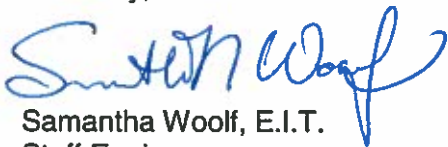
Additional Soil Stockpile Waste Characterization – From Soil Excavated at Southern Property Line and Detention Pond

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

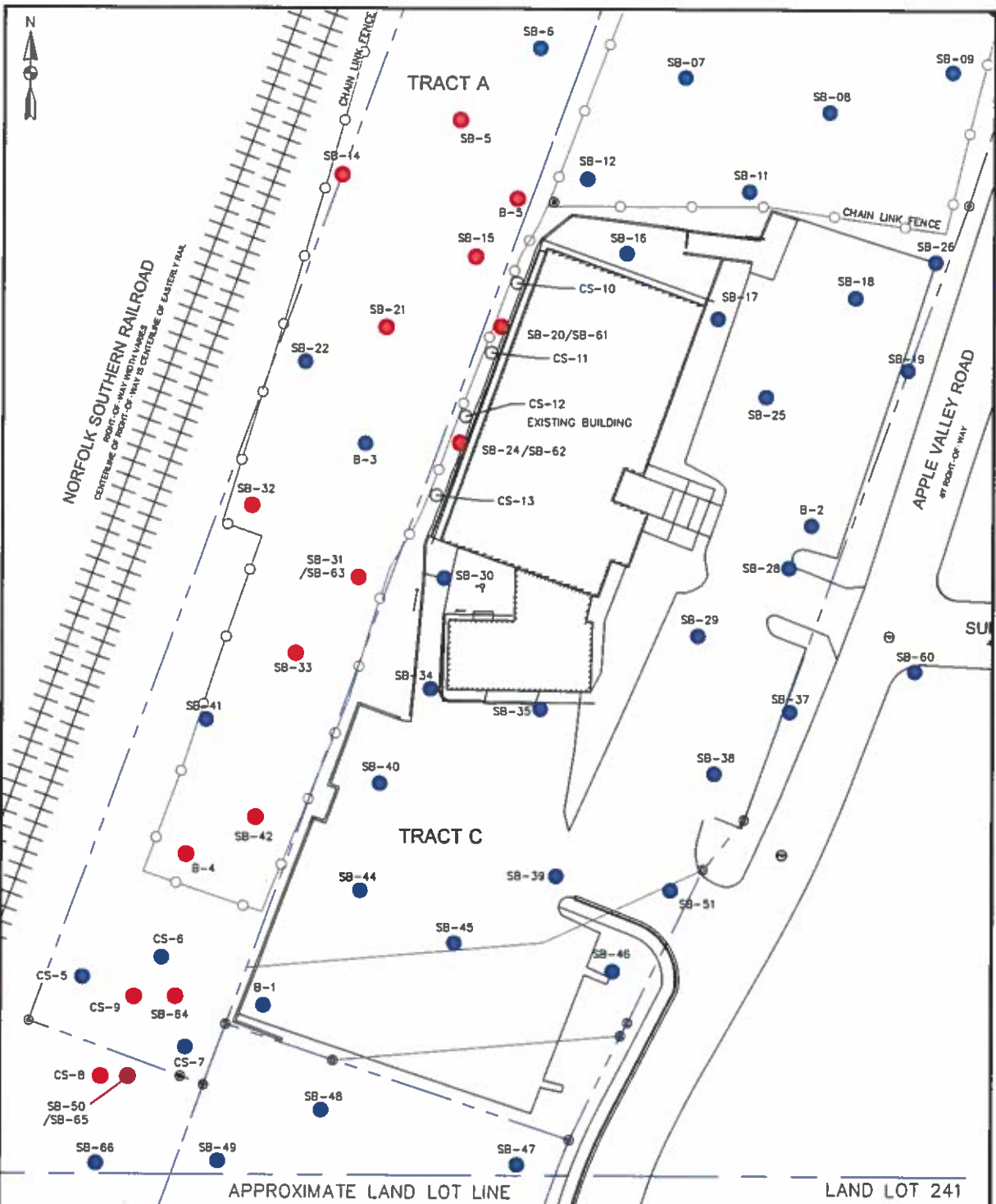
TABLE 1 SUMMARY OF APPROVED RESIDENTIAL AND NON-RESIDENTIAL RISK REDUCTION STANDARDS		
Regulated Substance (mg/Kg)	Type 1 (Residential)	Type 4 (Non-Residential)
4,4'-DDD	0.66	56.1
4,4'-DDE	0.66	39.6
4,4'-DDT	0.66	56.8
Aldrin	0.66	--
Chlordane	9.2	11.1
Dieldrin	0.66	0.14
Endosulfan I	10	--
Endrin	10	--
gamma-BHC	0.66	--
Heptachlor	0.66	1.05
Heptachlor epoxide	1.64	0.13

Notes

mg/Kg - milligram per kilogram

-- Not calculated

FIGURES



Toxicity Characteristic Leaching Procedure (TCLP) Analysis (mg/L)

Sample ID	Chlordane	Endrin	gamma-BHC	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
TCLP-1	0.025	BRL	BRL	0.00069	0.0013	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**
- SOIL BORING LOCATION - EXCEEDS RRS
 - SOIL BORING LOCATION - DOES NOT EXCEED RRS



SURVEY NOTES

- THIS SURVEY WAS MADE ON THE GROUND USING A CARLSON NETWORK CORRECTED RTK RECEIVER, A SOUTH 2 SECOND TOTAL STATION AND A STEEL TAPE.
- THE MAXIMUM RELATIVE POSITIONAL ERROR WAS COMPUTED TO BE 0.08 FEET AND WAS ADJUSTED USING NETWORK LEAST SQUARES METHOD.
- THE DISTANCES AND AREAS SHOWN ON THIS SURVEY USING THE COMBINED GRID FACTOR USED IS 0.9998. THE BASIS OF BEARING IS GEORGIA STATE PLUMB COGNITIVE BENCH MARK WEST ZONE.

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)

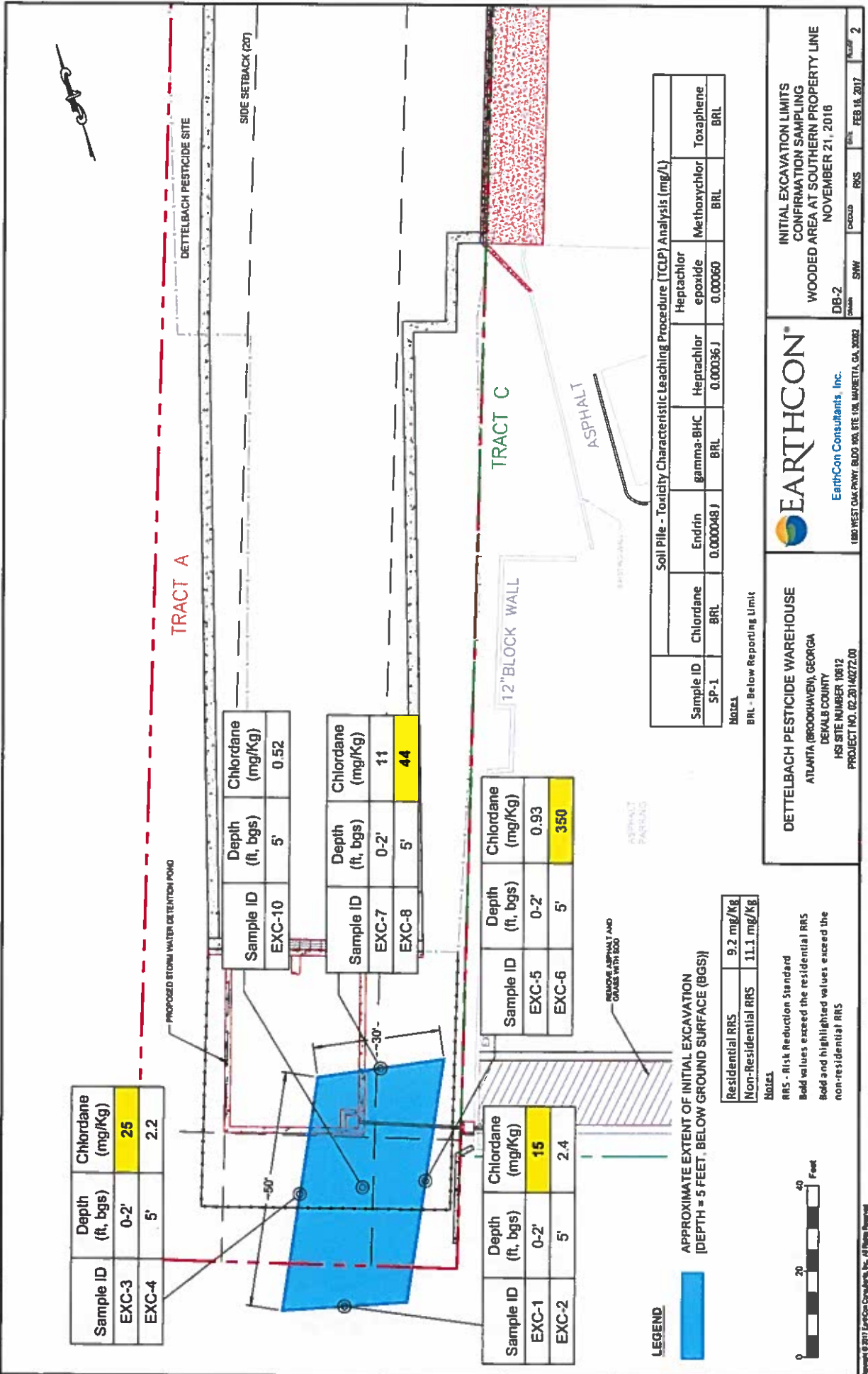
DETTELBACH PESTICIDE WAREHOUSE
 ATLANTA (BROOKHAVEN), GEORGIA
 DEKALB COUNTY
 HSI SITE NUMBER 10612
 PROJECT NO. 02.20140272.00

EARTHCON
 EarthCon Consultants, Inc.
 1880 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA, 30067

ADDITIONAL SOIL DELINEATION
 WOODED AREA AT SOUTHERN PROPERTY LINE
 NOVEMBER 7, 2016

DB-1

Drawn	SNW	Checked	RKS	Date	FEB 16 2017	Scale	1
-------	-----	---------	-----	------	-------------	-------	---



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

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	Chlordane BRL	Endrin 0.000048J	gamma-BHC BRL	Heptachlor epoxide 0.00036J	Heptachlor epoxide 0.00060	Methoxychlor BRL	Toxaphene BRL
SP-1	BRL	0.000048J	BRL	0.00036J	0.00060	BRL	BRL

Notes

BRL - Below Reporting Limit

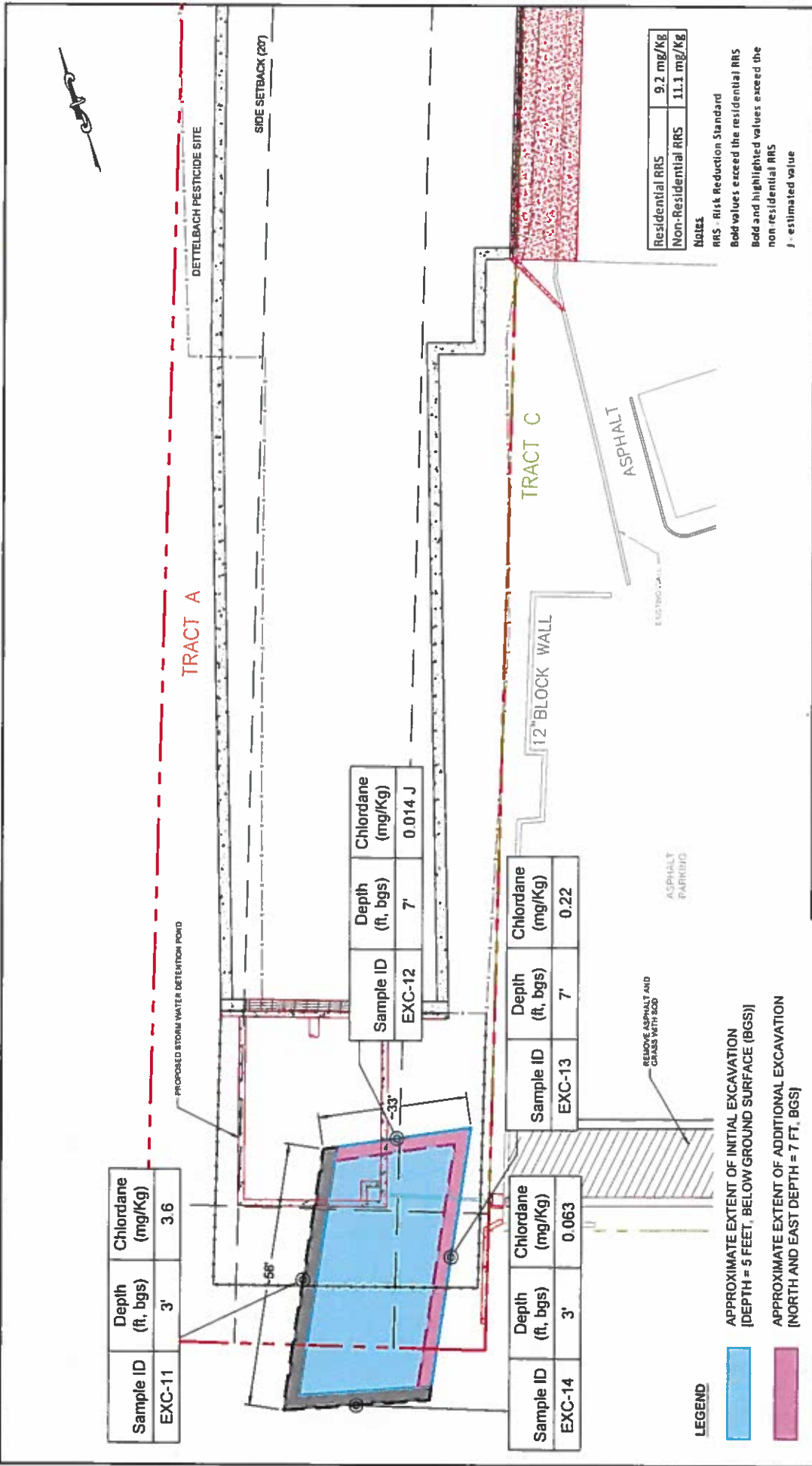


DETTELBACH PESTICIDE WAREHOUSE
 ATLANTA (BROOKHAVEN), GEORGIA
 DEKALB COUNTY
 HSI SITE NUMBER 10812
 PROJECT NO. (CZ.29)140272.00

EarthCon Consultants, Inc.

180 WEST OAK PARK BLDG 100, SUITE 100, MARIETTA, GA 30067

INITIAL EXCAVATION LIMITS
 CONFIRMATION SAMPLING
 WOODED AREA AT SOUTHERN PROPERTY LINE
 NOVEMBER 21, 2016
 DB-2
 DRAWN: SWW
 CHECKED: RRS
 DATE: FEB. 16, 2017
 SCALE: 2



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

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)

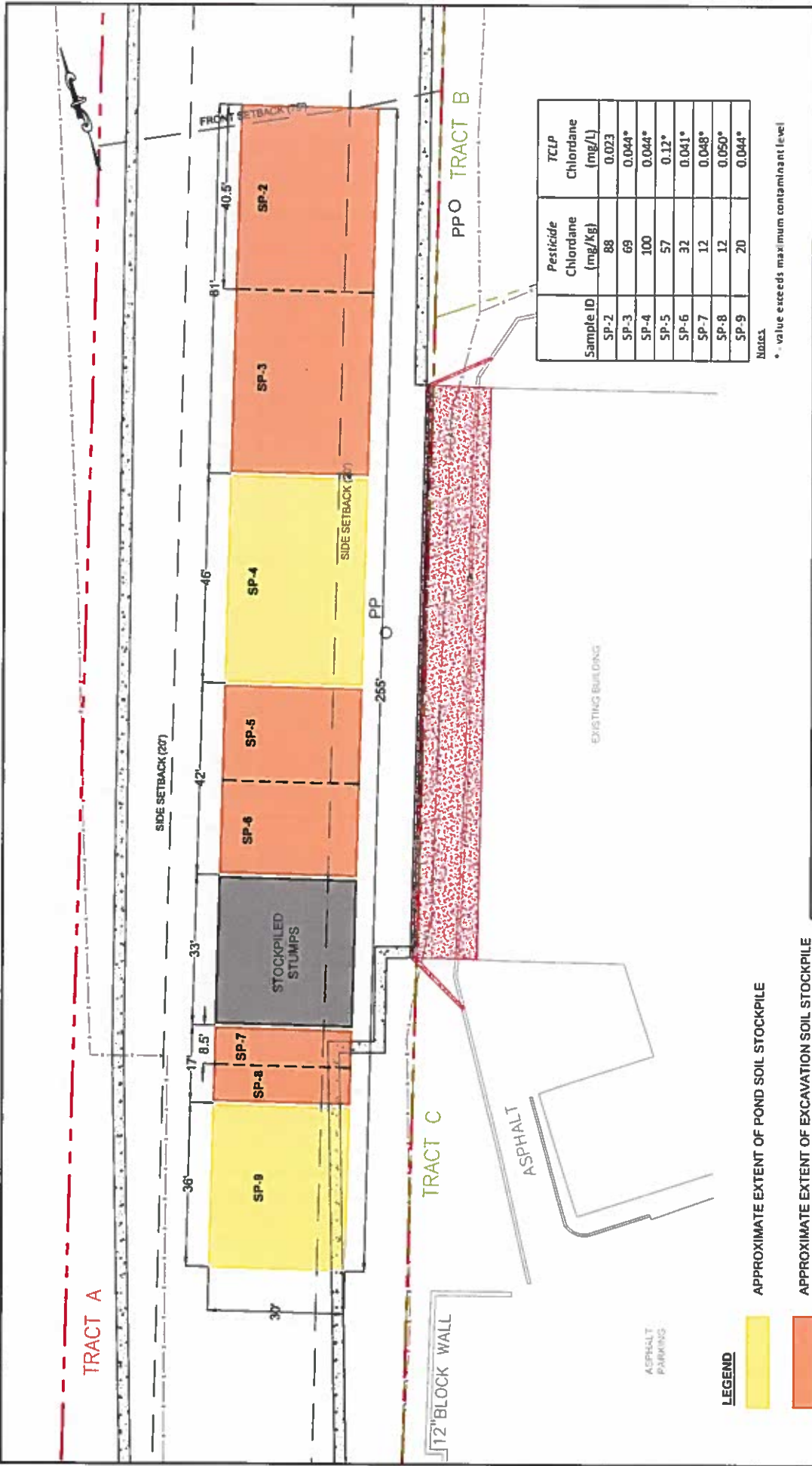


DETTELBACH PESTICIDE WAREHOUSE
 ATLANTA (BROOKHAVEN), GEORGIA
 DEKALB COUNTY
 HSI SITE NUMBER 10612
 PROJECT NO. 02-20140272.00

EARTHCON®
 EarthCon Consultants, Inc.
 1800 WEST OAK PARKWAY, BLDG 100, STE 100, LAWRENCE, GA 30042

**ADDITIONAL EXCAVATION LIMITS
 CONFIRMATION SAMPLING
 WOODED AREA AT SOUTHERN PROPERTY LINE
 NOVEMBER 28, 2016**

DB-3
 SMTV
 CHECKED: RES DATE: FEB 16, 2017
 DRAWN: 3



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

DETTELBACH PESTICIDE WAREHOUSE
 ATLANTA (BROOKHAVEN), GEORGIA
 DEKALB COUNTY
 HSI SITE NUMBER 10612
 PROJECT NO. 02-2014272.00



EarthCon Consultants, Inc.
 1188 WEST OAK PKWY BLDG 103, STE 106, MARIETTA, GA 30067

ADDITIONAL SOIL STOCKPILE
 WASTE CHARACTERIZATION
 EXCAVATED SOIL FROM WOODED AREA AT
 SOUTHERN PROPERTY LINE AND DETENTION POND
 DB-4
 DECEMBER 7, 2016

LEGEND
 [Yellow Box] APPROXIMATE EXTENT OF POND SOIL STOCKPILE
 [Orange Box] APPROXIMATE EXTENT OF EXCAVATION SOIL STOCKPILE



APPENDIX A
LABORATORY ANALYTICAL RESULTS
NOVEMBER 7, 2016
ADDITIONAL SOIL DELINEATION
WOODED AREA AT SOUTHERN PROPERTY LINE



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

CHAIN OF CUSTODY

Attn: Chris Pafford

Work Order: 1611617

Date: 11/7/2016 Page 1 of 1

COMPANY: EarthCon Consultants		ADDRESS: 1880 West Oak Parkway Building 100, Suite 104 Marietta, GA 30062		ANALYSIS REQUESTED		Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers
PHONE: 770-973-2100		FAX: 770-973-7395		PRESERVATION (See codes)			
SAMPLED BY: Samantha Woolf		SIGNATURE: <i>Samantha Woolf</i>		TCLP Pesticides, leached Chlorinated Pesticides		REMARKS	
#	SAMPLE ID	DATE	TIME	Grab	Composite		
1	TCLP-1	11/7/16	1000		X	SO	
2	TCLP-2		1715		X	SO	
3	CS-7-0-2'		1045	X		SO	
4	CS-7-4-5'		1100	X		SO	
5	CS-8-0-2'		1145	X		SO	
6	CS-8-4-5'		1230	X		SO	
7	CS-6-0-2'		1415	X		SO	
8	CS-5-0-2'		1445	X		SO	
9	CS-9-0-2'		1540	X		SO	
10	CS-9-3'		1715	X		SO	
11							
12							
13							
14							
RELINQUISHED BY: <i>Samantha Woolf</i> 11/7/16 5:39		RECEIVED BY: <i>[Signature]</i> 11/16 5:39		PROJECT INFORMATION		RECEIPT	
				PROJECT NAME: DPW Brookhaven		Total # of Containers: 10	
				PROJECT #: 02.20140272.00		Turnaround Time Request	
				SITE ADDRESS: 2600 Apple Valley Road Atlanta, Brookhaven GA 30309		<input type="checkbox"/> Standard 5 Business Days	
				SEND REPORT TO: Russ Schelet and Samantha Woolf		<input checked="" type="checkbox"/> Business Day Rush	
				INVOICE TO: Samantha Woolf		<input type="checkbox"/> Next Business Day Rush	
				(IF DIFFERENT FROM ABOVE)		<input type="checkbox"/> Same Day Rush (aeth req.)	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD: CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER		STATE PROGRAM (if any):		<input type="checkbox"/> Other	
				E-mail?		DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> O	
				QUOTE #:		FON:	

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: 11+1 = Hydrochloric acid + ice 1 = 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

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
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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

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
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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 analysts 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

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	16		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	57		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
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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

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
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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

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
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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

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
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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

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
Oxychlorane	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
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Qualifiers:	<ul style="list-style-type: none"> * 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 	<ul style="list-style-type: none"> 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
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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
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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 1611017

Checklist completed by [Signature] Date 11/7/14

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.

Client: EarthCon Consultants, Inc
 Project Name: DPW Brookhaven
 Workorder: 1611617

ANALYTICAL QC SUMMARY REPORT

BatchID: 232476

Sample ID	Client ID	Units	ug/Kg	Prep Date	Run No						
MB-232476				11/08/2016	329548						
SampleType	TestCode	BatchID		Analysis Date	Seq No						
MIBLK	CHLORINATED PESTICIDES SW8001B	232476		11/09/2016	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	3.3									
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
 HRL 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: 14-Nov-16

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 SW80018	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
Oxychlorane	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 SW80018	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 SW80018	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

Analytical Environmental Services, Inc

Date: 14-Nov-16

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 SW0001B	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 SW0001B	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 SW0001B	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 SW0001B	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
 - BRI Below reporting limit
 - E Estimated (value above quantitation range)
 - J Estimated value detected below Reporting Limit
 - N Analyte not NELAC certified
 - Rpt Lim Reporting Limit
 - S Spike Recovery outside limits due to matrix
 - B Analyte detected in the associated method blank
 - H Holding times for preparation or analysis exceeded
 - R RPD 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 SW8001B	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)	II 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: 14-Nov-16

Client: EarthCon Consultants, Inc.
 Project Name: DPW Brookhaven
 Workorder: 1611617

ANALYTICAL QC SUMMARY REPORT

BatchID: 232617

Sample ID: MIB-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 SW1311/0081B	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 SW1311/0081B	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 SW1311/0081B	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
 BR1 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**



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: 1611-104

Date: 11/31/2014 Page 1 of 1

COMPANY EarthCon Consultants, Inc.		ADDRESS 1350 West Oak Pkwy Suite 100, Building 100 Marietta, GA 30062			ANALYSIS REQUESTED				Visit our website www.nesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers
PHONE: 770-973-2100		FAX: 770-973-7393			PRESERVATION (See codes)					
SAMPLED BY Samantha Woolf/Kenton Henry		SIGNATURE <i>Samantha Woolf</i>			ICAP Pesticles Chlorinated Pesticides				REMARKS	
#	SAMPLE ID	DATE	TIME	Grab	Composit	Matrix (See notes)				
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 <i>Samantha Woolf</i>		DATE/TIME 11/21/16 1240	RECEIVED BY <i>Jessica Amilly</i>		DATE/TIME 11/21/16 12:41 pm	PROJECT INFORMATION PROJECT NAME: DPW Brookhaven PROJECT #: 02 2014 0272 00 SITE ADDRESS: 2600 Apple Valley Rd Brookhaven Atlanta, GA 30139 SEND REPORT TO: Russ Scheet and Samantha Woolf			RECEIPT Total # of Containers: 10 Turnaround Time Request: <input type="radio"/> Standard 5 Business Days <input checked="" type="radio"/> 2 Business Day Rush <input type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input type="radio"/> Other	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD OUT / / VIA. IN CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER			INVOICE TO: (IF DIFFERENT FROM ABOVE) <i>Samantha Woolf</i>			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 SV = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
 PRESERVATIVE CODES: H+1 = Hydrochloric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S/A(+1) = Sodium Bisulfite/Methanol + ice O = Other (specify) NA = None

Client: EarthCon Consultants, Inc.

Project: DPW Brookhaven

Lab ID: 1611J64

Case Narrative

Pesticide Analysis by Method 8081:

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.

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		0.0018	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
alpha-BHC	BRL		0.0022	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		0.0019	0.0018	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Dieldrin	0.092		0.0015	0.0035	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Endosulfan I	BRL		0.0018	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		0.0018	0.0035	mg/Kg-dry	233407	1	11/23/2016 12:20	SH
Endrin	0.043		0.0014	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

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
- 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

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

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
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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

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

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	7.2	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

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
- 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

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
- 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

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
- 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 1011024

Checklist completed by [Signature]
Signature Date 11/21/10

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.

Analytical Environmental Services, Inc

Date: 30-Nov-16

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 SW1311/0001B	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 SW1311/0001B	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 SW1311/0001B	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 SW1311/0081B	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 SW1311/0081B	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

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 SW1311/0081B	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) II 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: 30-Nov-16

Client: EarthCon Consultants, Inc
 Project Name: DPW Brookhaven
 Workorder: 1611164

ANALYTICAL QC SUMMARY REPORT

BatchID: 233407

Sample ID: MIB-233407	Client ID:	Units: ug/kg	Prep Date: 11/21/2016	Run No: 330692							
SampleType: MBLK	TestCode: CHLORINATED PESTICIDES SW0001B	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	3.3									
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	1.7									
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)	II 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: 30-Nov-16

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 SW8001B	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 SW8001B	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 SW8001B	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 SW8001B	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
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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 SW8001B	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 SW8001B	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 SW8001B	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
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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: 1611164

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 SW8001B	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	3.3									
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	1.7									
Toxaphene	BRL	1.70									
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	D Analyte detected in the associated method blank
BRL	Below reporting limit	E Estimated (value above quantitation range)	II Holding times for preparation of 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 SW8001B	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 SW8001B	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 SW8001B	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) II 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 SW8001B	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: 1611078

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: 1611078 CP
 Date: 11/21/2016 Page 1 of 1 12/2/16

COMPANY: EarthCon Consultants, Inc.		ADDRESS: 1850 West Oak Pkwy Suite 106, Building 100 Marietta, GA 30062			ANALYSIS REQUESTED		Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No. of Containers
PHONE: 770-973-2100		FAX: 770-973-7393			PRESERVATION (See codes)			
SAMPLED BY: Samantha Wolff/Kenton Henry		SIGNATURE: <i>Samantha Wolff</i>			TCAP Pesticides Chlorinated Pesticides		REMARKS	
#	SAMPLE ID	DATE	TIME	Grb	Composite	Matrix (See codes)		
1	SP-1	11/21/16	1045		X	SO		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: <i>Samantha Wolff</i>		DATE/TIME: 11/21/16 1840	RECEIVED BY: <i>Jessica McKinley</i>		DATE/TIME: 11/21/16 12:41 pm	PROJECT INFORMATION		RECEIPT
						PROJECT NAME: DPW Brookhaven		Total # of Containers 10
						PROJECT #: 02 2014 0272.00		Turnaround Time Request
						SITE ADDRESS: 2600 Apple Valley Rd Brookhaven Atlanta, GA 30309		<input type="radio"/> Standard 5 Business Days
						SEND REPORT TO: Russ Schick and Samantha Wolff		<input checked="" type="radio"/> 2 Business Day Rush
						INVOICE TO: (IF DIFFERENT FROM ABOVE) Samantha Wolff		<input type="radio"/> Next Business Day Rush
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD						<input type="radio"/> Same Day Rush (auth req.)
		OUT / / VIA:						<input type="radio"/> Other
		IN / / VIA:						STATE PROGRAM (if any):
		CLIENT FedEx UPS MAIL COURIER						E-mail? Y/N: Fax? Y/N
		GREYHOUND OTHER						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 Bisulfite/Methanol + Ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: EarthCon Consultants, Inc.
Project: DPW Brookhaven
Lab ID: 1611078

Case Narrative

Pesticide Analysis by Method 8081:

Due to sample matrix, sample 1611078-001A 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:	1611078-001	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 Earth Con

Work Order Number 1011078 CP
12/2/10

Checklist completed by [Signature] Date 11/21/10

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? ($0^{\circ} \leq 6^{\circ}C$)* 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.

Client: EarthCon Consultants, Inc
 Project Name: DPW Brookhaven
 Workorder: 1611078

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 SW8001B	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	1.7									
Toxaphene	BRL	1.70									
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: 1611078

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 SW8001B	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 SW8001B	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 SW8001B	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: 1611078

ANALYTICAL QC SUMMARY REPORT

BatchID: 233803

Sample ID: 1611N49-003AMSD	Client ID:	Units: ug/kg-dry	Prep Date: 11/29/2016	Run No: 331057
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, TCL SW8001B	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:	Units: ug/kg-dry	Prep Date: 11/29/2016	Run No: 331092
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, TCL SW8001B	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
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit
 < Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix
 B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD 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
 TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1611W49

Att: Chris Pafford

Date: 11/29/16 Page 1 of 1

COMPANY: <u>EarthCon Consultants, Inc.</u>		ADDRESS: <u>1880 West Oak Pkwy suite 106 Bldg 100 Marietta, GA 30062</u>		ANALYSIS REQUESTED				Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers			
PHONE: <u>770-973-2100</u>		FAX: <u>770-973-7393</u>		PRESERVATION (See codes)								
SAMPLED BY: <u>Robert Andreas</u>		SIGNATURE: <u>[Signature]</u>		REMARKS								
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	ANALYSIS REQUESTED				REMARKS	No # of Containers
		DATE	TIME				PRESERVATION (See codes)					
1	EXL-11	11/29/16	1645	X		SO						
2	EXL-12	↓	1650	↓								
3	EXL-13	↓	1655	↓								
4	EXL-14	↓	1700	↓								
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												

RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>11/29/16 1805</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>6:05pm</u>	PROJECT INFORMATION		RECEIPT	
				PROJECT NAME: <u>OPW Brook Haven</u>	Total # of Containers <u>4</u>		
				PROJECT #: <u>02-20140272-00</u>	Turnaround Time Request		
				SITE ADDRESS: <u>2600 Apple Valley Rd Brookhaven Atlanta, GA 30309</u>	<input type="checkbox"/> Standard 5 Business Days		
				SEND REPORT TO: <u>Russ Schlot & Samantha Wolf</u>	<input checked="" type="checkbox"/> 2 Business Day Rush		
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD:		INVOICE TO: (IF DIFFERENT FROM ABOVE) <u>Samantha Wolf</u>	<input type="checkbox"/> Next Business Day Rush		
		OUT VIA: IN <u>CLIENT</u> FedEx UPS MAIL COURIER GREYHOUND OTHER		QUOTE #:	<input type="checkbox"/> Same Day Rush (auth req.)		
				POB:	<input type="checkbox"/> Other		
					STATE PROGRAM (if any):		
					E-mail? Fax?		
					DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V		

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 UW = Groundwater SB = 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/N+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None White Copy - Original; Yellow Copy - Client
 Page 2 of 10

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
- 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

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
- 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

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
- 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

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
- 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 11011249

Checklist completed by [Signature] Date 11/28/16

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.

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 SW8001B	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	3.3									
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	1.7									
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 SW0001B	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 SW0001B	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 SW0001B	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
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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)
 11 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 SW8811B	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 SW8811B	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**



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

CHAIN OF CUSTODY
 Attn: Chris Pafford

Work Order: 11127110

Date: 12/7/16 Page 1 of 1

COMPANY: EarthCon Consultants Inc.		ADDRESS: 1880 West Oak Parkway Suite 106, Building 100 Marietta, GA 30062			ANALYSIS REQUESTED		Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No. of Containers
PHONE: 770-973-2100		FAX: 770-973-7393			PRESERVATION (Sec codes)			
SAMPLED BY: Samantha Woolf		SIGNATURE: <i>[Signature]</i>			NA NA		REMARKS	
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (Sec codes)		
1	SP-2	12/7/16	1345		X	SO		2
2	SP-3		1355		X	SO		2
3	SP-4		1410		X	SO		2
4	SP-5		1420		X	SO		2
5	SP-6		1435		X	SO		2
6	SP-7		1446		X	SO		2
7	SP-8		1500		X	SO		2
8	SP-9		1510		X	SO		2
9								
10								
11								
12								
13								
14								
RELINQUISHED BY: <i>[Signature]</i>		DATE/TIME: 12/7/16 17:30	RECEIVED BY: <i>[Signature]</i>		DATE/TIME: 12/7/16 5:30	PROJECT INFORMATION		RECEIPT
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD:			PROJECT NAME: DPW Brookhaven		Total # of Containers: 16	
		OUT VIA: CLIENT			PROJECT #: 02.20140272.00		Turnaround Time Request	
		IN VIA: FEDEX			SITE ADDRESS: 2600 Apple Valley Rd Brookhaven, Atlanta, GA 30309		<input type="checkbox"/> Standard 3 Business Days	
		GREYHOUND OTHER			SEND REPORT TO: Russ. Schiecht + Samantha Woolf		<input checked="" type="checkbox"/> Business Day Rush	
					INVOICE TO: Samantha Woolf		<input type="checkbox"/> Next Business Day Rush	
					(IF DIFFERENT FROM ABOVE)		<input type="checkbox"/> Same Day Rush (auth req.)	
					QUOTE #:		<input type="checkbox"/> Other	
					POW:		STATE PROGRAM (if any):	
							E-mail? Fax?	
							DATA PACKAGE: <input type="radio"/> I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/> O	

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 J = Ice only N = Nitric acid S-I = Sulfuric acid + ice S/N-I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None White Copy - Original; Yellow Copy - Client

Page 2 of 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.

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

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
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

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

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
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less 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

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
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

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

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

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
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less 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 [Signature] 12/7/2011
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.

Client: EarthCon Consultants, Inc
 Project Name: Brookhaven
 Workorder: 1612716

ANALYTICAL QC SUMMARY REPORT

BatchID: 234471

Sample ID	Client ID	Units	Prep Date	Run No							
MB-234471		ug/Kg	12/08/2016	331798							
SampleType	TestCode	BatchID	Analysis Date	Seq No							
MBLK	CHLORINATED PESTICIDES SW8001B	234471	12/08/2016	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	3.3									
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	1.7									
Toxaphene	BRL	1.7									
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 SW9001B	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 SW9001B	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 SW9001B	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:	Units: ug/Kg	Prep Date: 12/08/2016	Run No: 331798							
SampleType: MSD	TestCode: CHLORINATED PESTICIDES SW0001B	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	H Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	II 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 SW1311/0001B	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 SW1311/0001B	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

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 SW1311/0001B	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				

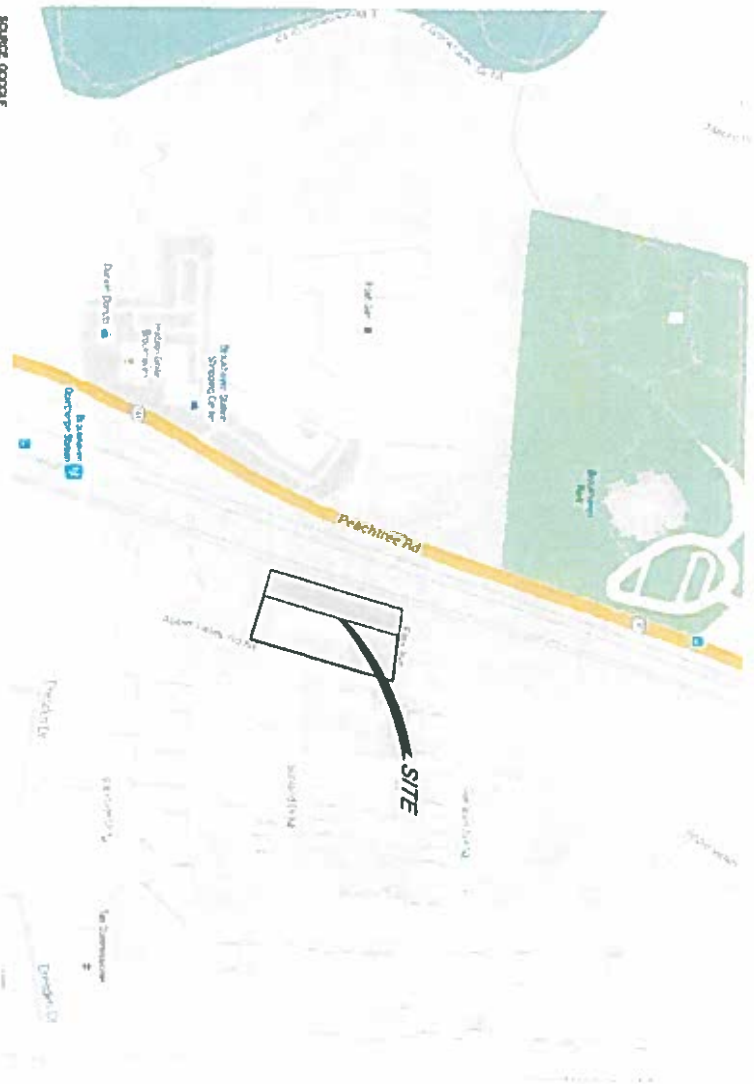
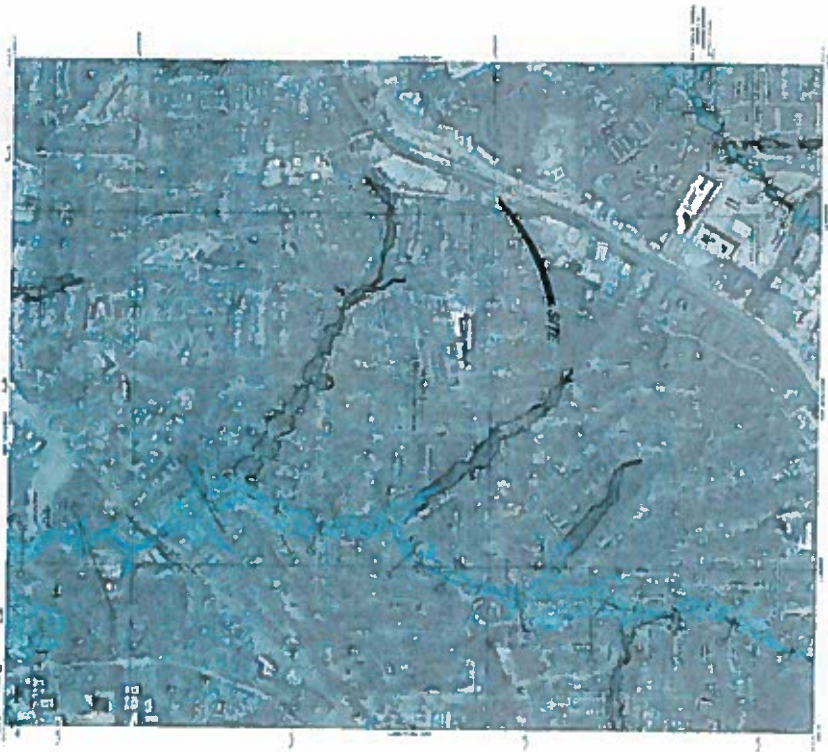
>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified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

ATTACHMENT B

Selected Construction Drawings for Asphalt Cap

DETTELBACH PESTICIDE WAREHOUSE ENGINEERED CAP WITH EXCAVATION

1251 PARK AVENUE
ATLANTA (BROOKHAVEN)
DEKALB COUNTY, GEORGIA



- POSSIBLE 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 DISTENTION FORD - PLAN AND PROFILE
 - 6 PROPOSED ASPHALT/CAP - SECTIONS
 - 7 RETAINING WALL - PLAN AND PROFILE
 - 8 DETAILS (CONT.)
 - 9 PROPOSED EROSION CONTROL PLAN
 - 10 EROSION CONTROL DETAILS
 - 11 SOIL SURVEY MAP
 - 12 EROSION AND SEWAGE CONTROL NOTES
 - 13 APPLICABLE ZONING CONDITIONS
 - 14 PERMITS AND REGULATORY AGENCIES
 - 15 CONSTRUCTION DETAILS | DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA
 - AC-1P18 LANDSCAPE PLAN
 - AC-1P18B LANDSCAPE PLAN
 - AC-1P18C LANDSCAPE DETAILS

PROJECT TEAM JOE TANIGRO & ASSOCIATES
301 NORT P.O. BOX
ATLANTA, GEORGIA 30303
404-458-4833

ENGINEER EARTHCON CONSULTANTS, INC.
1880 WEST OAK PARKWAY
BUILDING 100 SUITE 108
MARIETTA, GEORGIA 30067
770-973-2700

OWNER & MAJOR CONTACTS ROLLINS CONCRETE, INC.
CARY ROGERS
2170 WINDMONT ROAD N.E.
ATLANTA, GEORGIA 30324
404-884-3311

NOTES: THIS SITE IS NOT LOCATED WITHIN ZONE A, AS ON X AS DETERMINED BY FIRM CANNOTARY MAP NUMBER 13086C IS 1 FROM DEKALB COUNTY AND INCORPORATED INTO THIS MAP IS DOWNLOADED FROM PLANNING WEBSITE: <http://www.planning.com/development/>

CALL BEFORE YOU DIG (800) 282-7411

FILENAME: detail site by bwe 2.dwg

EARTHCON
EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100 STE 108, MARIETTA, GA, 30067



COVER SHEET
DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

Drawn by: S. Williams
Checked by: R. Schmitt
Scale: AS SHOWN
Project Number: 0221746272
Date: 2/25/2018
Sheet: C

- LEGEND
- EXISTING RETENTION OF 8" PVC DRAIN LINE (SEE 418)
 - EXISTING 2" PVC DRAIN LINE (SEE 418)
 - EXISTING 4" PVC DRAIN LINE (SEE 418)
 - EXISTING 6" PVC DRAIN LINE (SEE 418)
 - EXISTING 8" PVC DRAIN LINE (SEE 418)
 - EXISTING 10" PVC DRAIN LINE (SEE 418)
 - EXISTING 12" PVC DRAIN LINE (SEE 418)
 - EXISTING 14" PVC DRAIN LINE (SEE 418)
 - EXISTING 16" PVC DRAIN LINE (SEE 418)
 - EXISTING 18" PVC DRAIN LINE (SEE 418)
 - EXISTING 20" PVC DRAIN LINE (SEE 418)
 - EXISTING 22" PVC DRAIN LINE (SEE 418)
 - EXISTING 24" PVC DRAIN LINE (SEE 418)
 - EXISTING 26" PVC DRAIN LINE (SEE 418)
 - EXISTING 28" PVC DRAIN LINE (SEE 418)
 - EXISTING 30" PVC DRAIN LINE (SEE 418)
 - EXISTING 32" PVC DRAIN LINE (SEE 418)
 - EXISTING 34" PVC DRAIN LINE (SEE 418)
 - EXISTING 36" PVC DRAIN LINE (SEE 418)
 - EXISTING 38" PVC DRAIN LINE (SEE 418)
 - EXISTING 40" PVC DRAIN LINE (SEE 418)
 - EXISTING 42" PVC DRAIN LINE (SEE 418)
 - EXISTING 44" PVC DRAIN LINE (SEE 418)
 - EXISTING 46" PVC DRAIN LINE (SEE 418)
 - EXISTING 48" PVC DRAIN LINE (SEE 418)
 - EXISTING 50" PVC DRAIN LINE (SEE 418)
 - EXISTING 52" PVC DRAIN LINE (SEE 418)
 - EXISTING 54" PVC DRAIN LINE (SEE 418)
 - EXISTING 56" PVC DRAIN LINE (SEE 418)
 - EXISTING 58" PVC DRAIN LINE (SEE 418)
 - EXISTING 60" PVC DRAIN LINE (SEE 418)
 - EXISTING 62" PVC DRAIN LINE (SEE 418)
 - EXISTING 64" PVC DRAIN LINE (SEE 418)
 - EXISTING 66" PVC DRAIN LINE (SEE 418)
 - EXISTING 68" PVC DRAIN LINE (SEE 418)
 - EXISTING 70" PVC DRAIN LINE (SEE 418)
 - EXISTING 72" PVC DRAIN LINE (SEE 418)
 - EXISTING 74" PVC DRAIN LINE (SEE 418)
 - EXISTING 76" PVC DRAIN LINE (SEE 418)
 - EXISTING 78" PVC DRAIN LINE (SEE 418)
 - EXISTING 80" PVC DRAIN LINE (SEE 418)
 - EXISTING 82" PVC DRAIN LINE (SEE 418)
 - EXISTING 84" PVC DRAIN LINE (SEE 418)
 - EXISTING 86" PVC DRAIN LINE (SEE 418)
 - EXISTING 88" PVC DRAIN LINE (SEE 418)
 - EXISTING 90" PVC DRAIN LINE (SEE 418)
 - EXISTING 92" PVC DRAIN LINE (SEE 418)
 - EXISTING 94" PVC DRAIN LINE (SEE 418)
 - EXISTING 96" PVC DRAIN LINE (SEE 418)
 - EXISTING 98" PVC DRAIN LINE (SEE 418)
 - EXISTING 100" PVC DRAIN LINE (SEE 418)

NOTES

1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND STRUCTURES PRIOR TO CONSTRUCTION.
2. ALL EXISTING UTILITIES SHALL BE PROTECTED AND REPAIRED AS NECESSARY.
3. ALL EXISTING STRUCTURES SHALL BE DEMOLISHED AND RECONSTRUCTED AS SHOWN.
4. ALL EXISTING DRIVEWAYS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
5. ALL EXISTING SIDEWALKS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
6. ALL EXISTING CURBS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
7. ALL EXISTING STAIRS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
8. ALL EXISTING ELEVATORS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
9. ALL EXISTING ROOFS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
10. ALL EXISTING FOUNDATIONS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
11. ALL EXISTING WALLS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
12. ALL EXISTING FLOORS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
13. ALL EXISTING CEILING SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
14. ALL EXISTING MECHANICAL SYSTEMS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
15. ALL EXISTING ELECTRICAL SYSTEMS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
16. ALL EXISTING PLUMBING SYSTEMS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
17. ALL EXISTING HVAC SYSTEMS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
18. ALL EXISTING FIRE PROTECTION SYSTEMS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
19. ALL EXISTING SECURITY SYSTEMS SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.
20. ALL EXISTING ACCESSIBILITY FEATURES SHALL BE REPAIRED AND RECONSTRUCTED AS SHOWN.

TOPO SOURCE: 3000 HOLLY SPRINGS HIGHWAY, SUITE 101, HOLLY SPRINGS, GA 30142, DTG200618

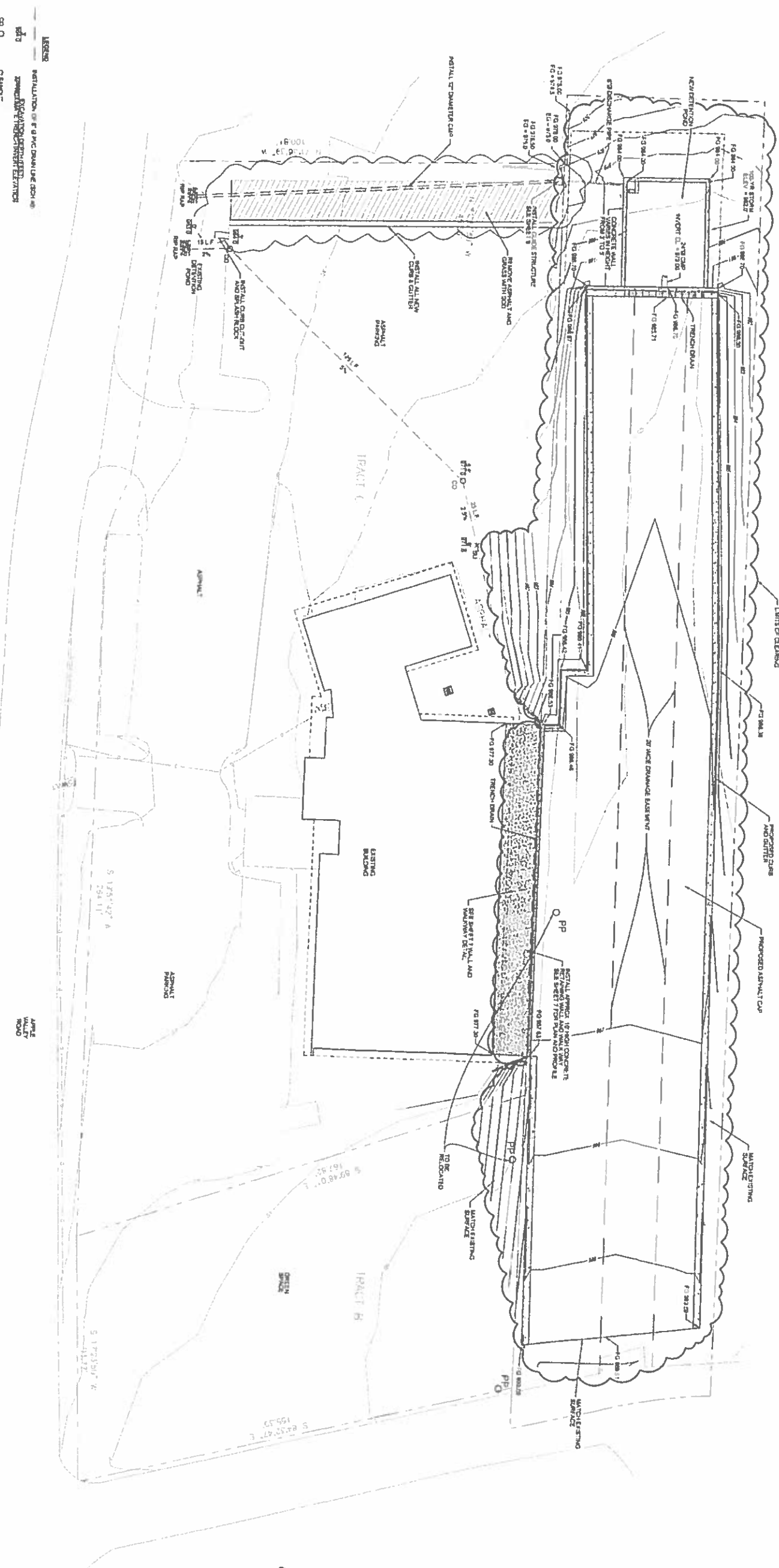
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TRACT 8, AND TRACT 12, LANDOWNERS: LANDOWNERS ASSOCIATES, INC. 3000 HOLLY SPRINGS HIGHWAY, SUITE 101, HOLLY SPRINGS, GA 30142, DTG200618

TRACT 8, AND TRACT 12, LANDOWNERS: LANDOWNERS ASSOCIATES, INC. 3000 HOLLY SPRINGS HIGHWAY, SUITE 101, HOLLY SPRINGS, GA 30142, DTG200618

TRACT 8, AND TRACT 12, LANDOWNERS: LANDOWNERS ASSOCIATES, INC. 3000 HOLLY SPRINGS HIGHWAY, SUITE 101, HOLLY SPRINGS, GA 30142, DTG200618

CALL BEFORE YOU DIG (800) 282-7411



PROPOSED GRADING PLAN

DETTTEL BACH PESTICIDE WAREHOUSE
 ENGINEERED CAP WITH EXCAVATION
 1251 PARK AVENUE
 ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA

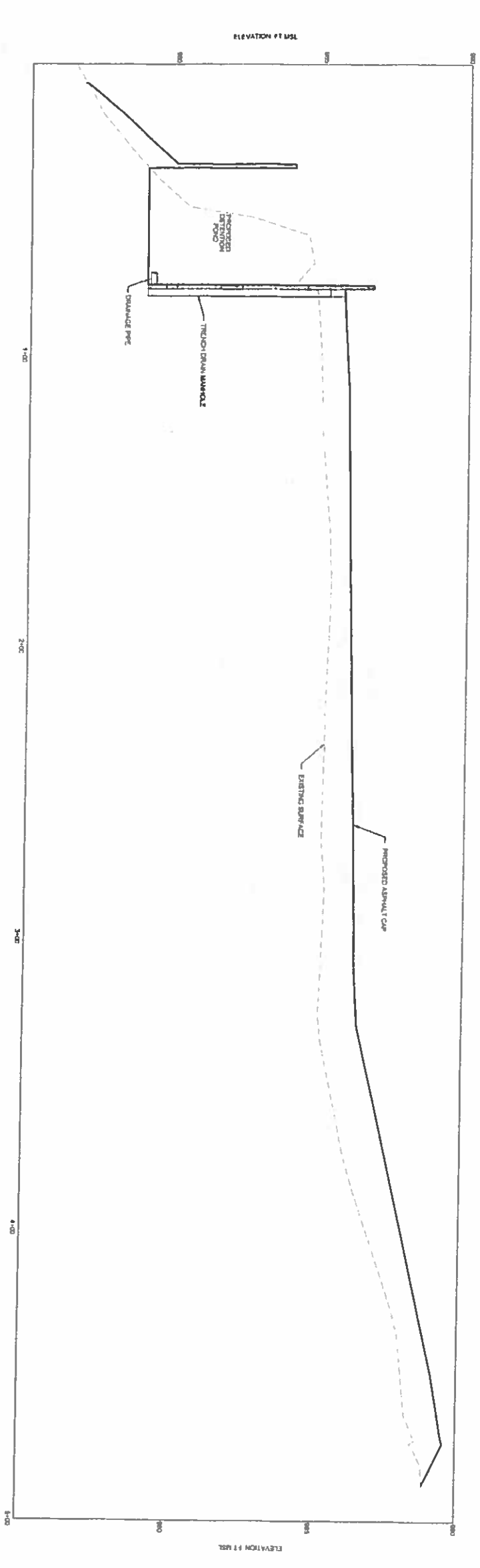
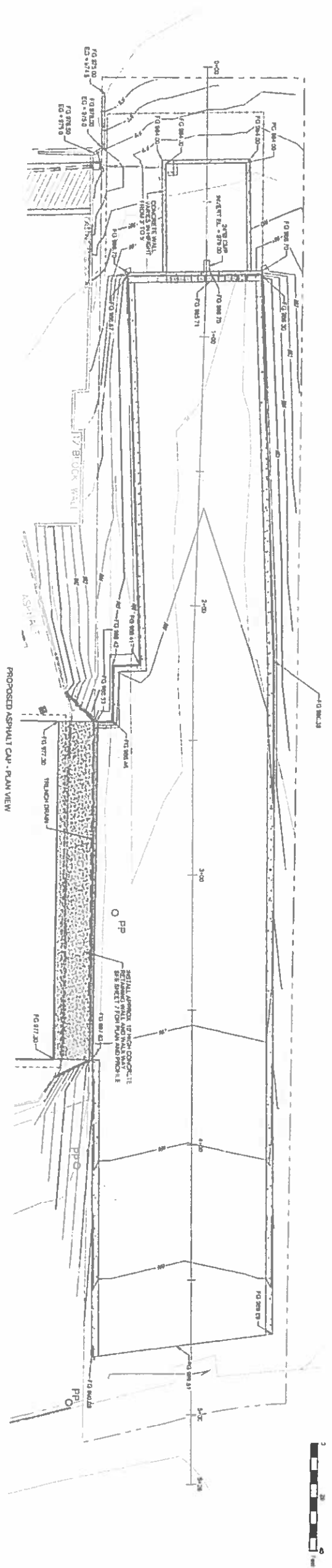


EARTHCON

EarthCon Consultants, Inc.
 1880 WEST OAK PKWY BLDG 100, BTE 106, MARIETTA, GA, 30062

Drawn	Reviewed
Checked	Approved
Scale	Project Number
Date	Sheet
3	

CALL BEFORE YOU DIG (800) 282-7411
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PROPOSED ASPHALT CAP - PLAN & PROFILE

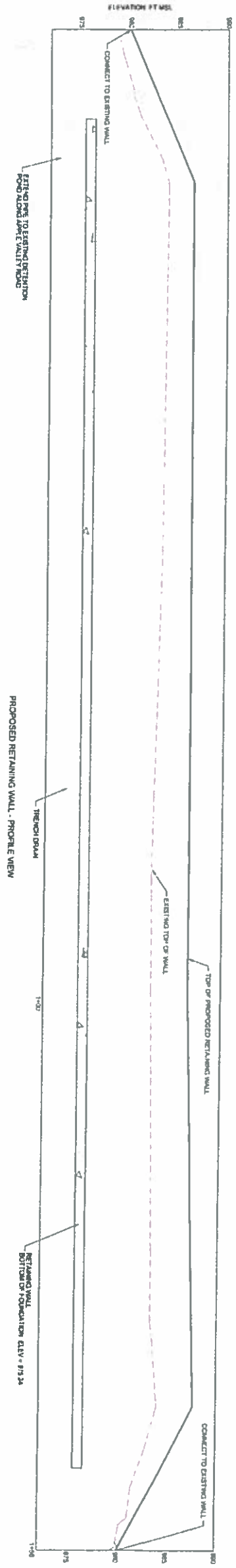
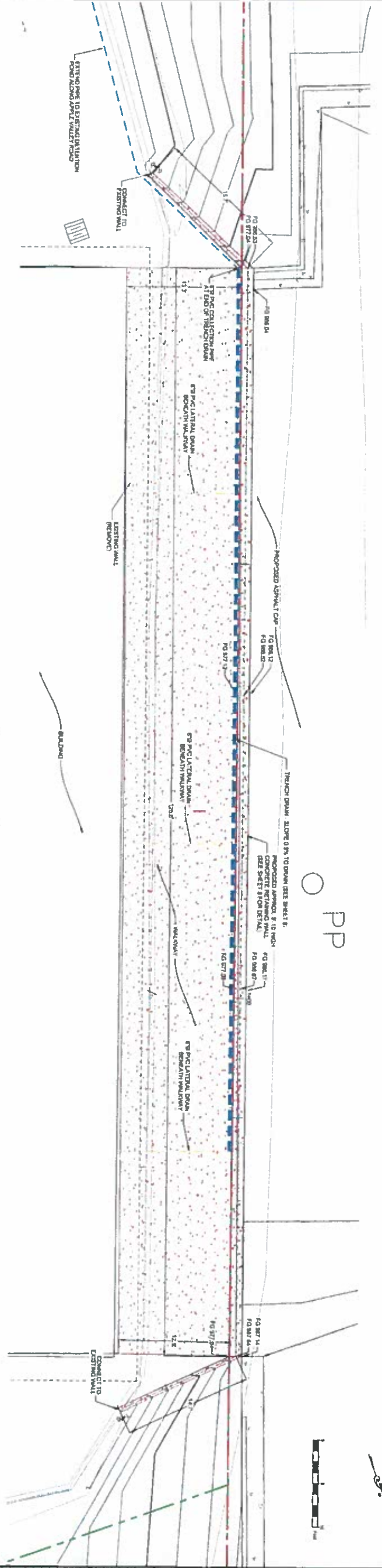
DETTELBACH PESTICIDE WAREHOUSE
 ENGINEERED CAP WITH EXCAVATION
 1251 PARK AVENUE
 ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA



EARTHCON
 EarthCon Consultants, Inc.
 1680 WEST OAK PKWY, BLDG 100, STE 106, MARIETTA, GA. 30067

Drawn By: S. Williams
Checked By: R. Schurz
Scale: AS SHOWN
Project Number:
DATE: 2/25/2016
Sheet: 4

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NOTE
SEE SHEET B FOR SECTION AND OTHER DETAILS OF WALL

RETAINING WALL - PLAN AND PROFILE

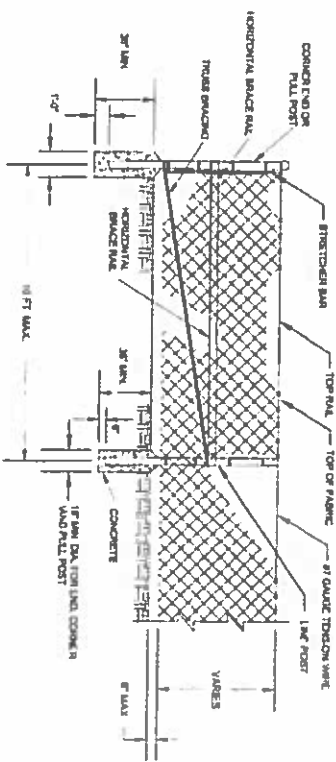
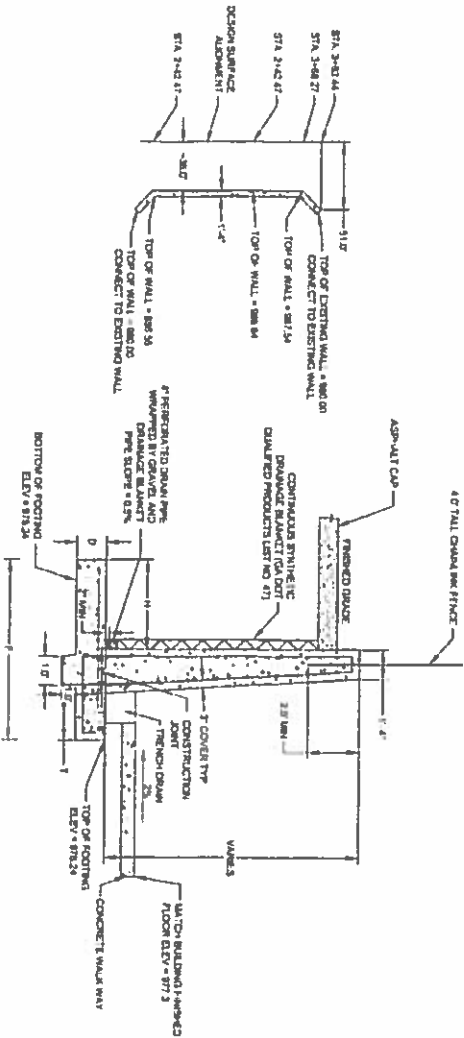
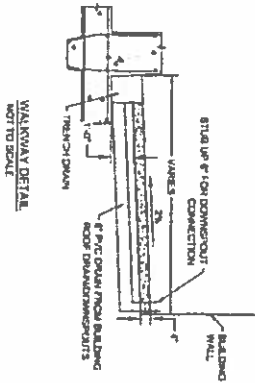
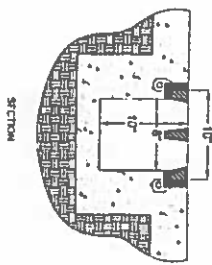
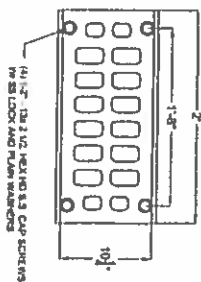
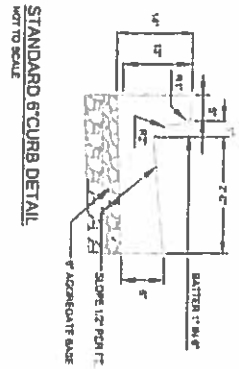
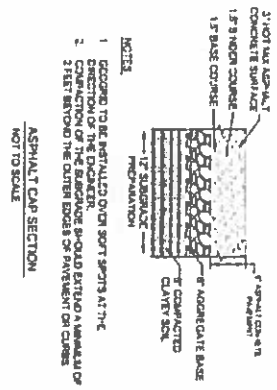
DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA



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

Drawn by: S. Williams
Checked by: S. Williams
Scale: AS SHOWN
Project Number: 0220142072
Date: 2/25/2018
Sheet: 7

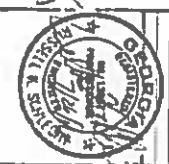
CALL BEFORE YOU DIG (800) 282-7411



NOTES:
1. SEE DRAWING PW-1, PUBLISHED BY DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA FOR SPECIFICATIONS TO STANDARD DRAWING DETAIL STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF FENCES AND RAILROAD FENCES.
2. FABRIC SHALL BE FASTENED TO LINE POST AT INTERVALS NOT GREATER THAN 12\"/>

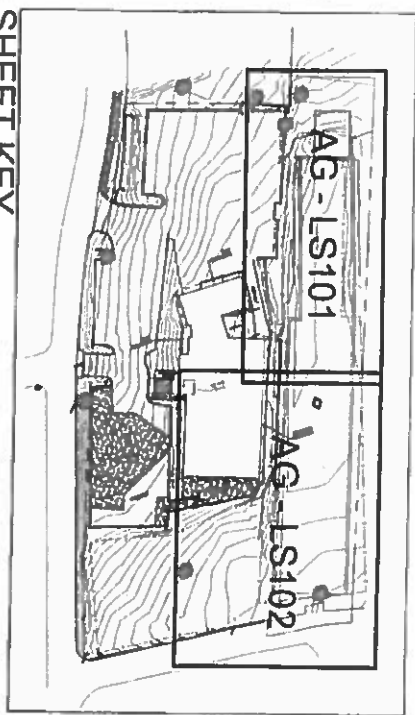
NOTES:
1. CURB LINE TYPICAL DETAIL USE ADAPTED FROM STANDARD DRAWING LINE WIRE FENCE DETAIL, PUBLISHED BY DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA.
2. FABRIC SHALL BE FASTENED TO LINE POST AT INTERVALS NOT GREATER THAN 12\"/>

DETAILS
DETTELBACH PESTICIDE WAREHOUSE
ENGINEERED CAP WITH EXCAVATION
1251 PARK AVENUE
ATLANTA (BROOKHAVEN), DEKALB COUNTY, GEORGIA



EARTHCON
EarthCon Consultants, Inc.
1880 WEST OAK PKWY, BLDG 100, 6TE 106, MARETTA GA, 30062

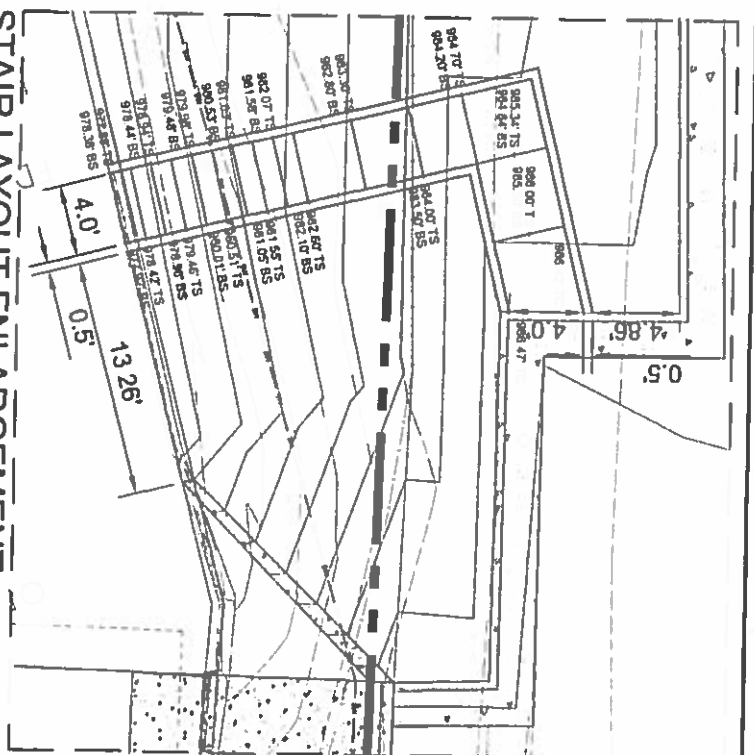
Drawn by: S. Williams
Checked by: R. Schow
Scale: AS SHOWN
Project Number: 0230140177
Date: 2/28/2015
Sheet: 8



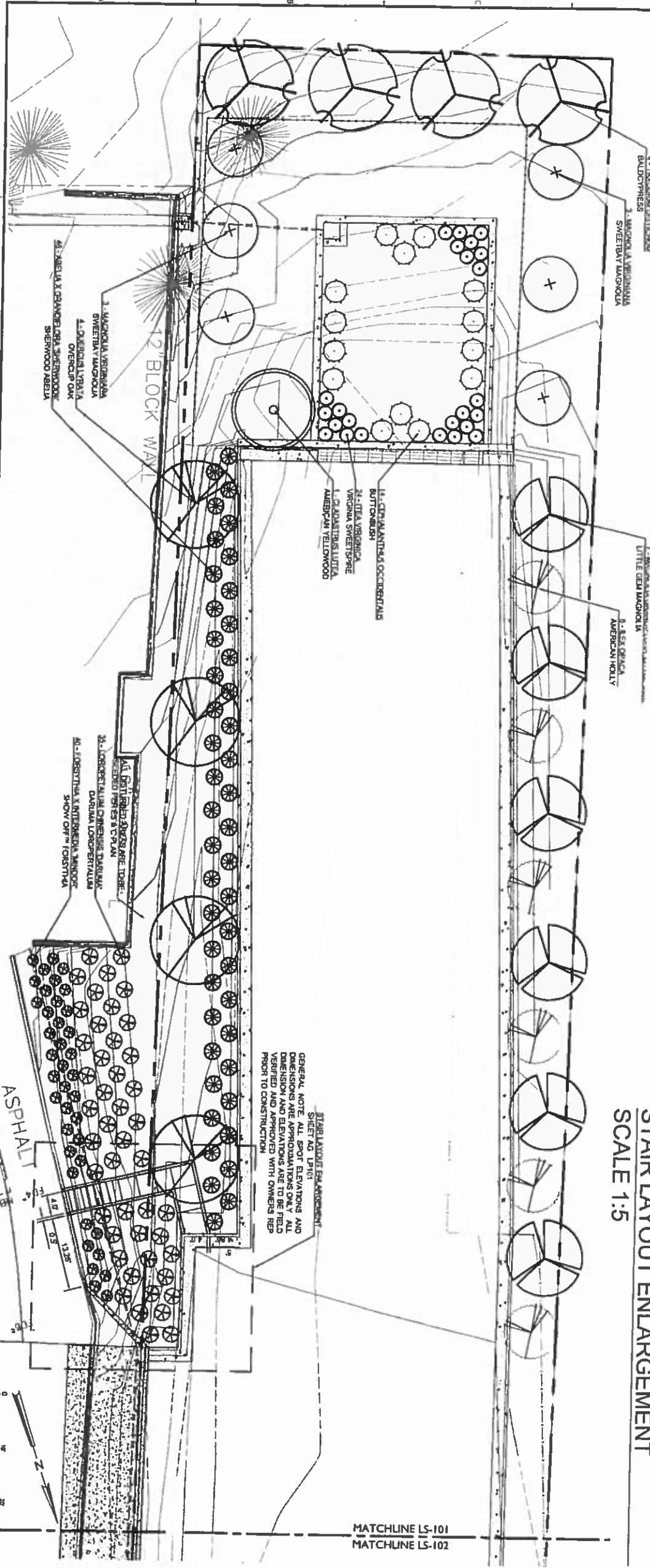
SHEET KEY
SCALE 1:80

COMMON NAME	BOTANICAL NAME	SIZE	SPACING	QTY	% TOTAL	NOTE
TAXODIUM DISTICHUM	AUTUMN GOLD	3" CAL	AS INDICATED	4	14.3%	
AULNIA GOLD	BALD CYPRESS	3" CAL	AS INDICATED	7	25.0%	
MAGNOLIA GRANDIFLORA	LITTLE GEM	3" CAL	AS INDICATED	9	31.4%	TREE FORM
MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	3" CAL	AS INDICATED	6	21.4%	FALL TO GROUND
LEX GLAZIA	AMERICAN HOLLY	3" CAL	AS INDICATED	4	14.3%	
GLAUCOSTYLIS LUTEA	AMERICAN YEW	3" CAL	AS INDICATED	4	14.3%	
QUERCUS LYRAEA	OVERCUP OAK	3" CAL	AS INDICATED	4	14.3%	
AGELIA X GRANATIFLORA	SHERWOOD	3" CAL	AS INDICATED	4	14.3%	DWARF
LONGIFOLIUM	CAMMERS DALIUM	3" CAL	AS INDICATED	4	14.3%	DWARF TO SMALL
TEA VIRGINICA	LYNCHIA SWEETSPINE	3" CAL	AS INDICATED	14	47.6%	SMALL TO MED
CERUALANTHUS OCCIDENTALIS	BUTTERNUT	3" CAL	AS INDICATED	7	23.8%	MEDIUM
FRAXINUS	AMERICAN HICKORY	3" CAL	AS INDICATED	4	14.3%	SMALL

- CITY OF BROOKHAVEN TREE REPLACEMENT NOTES
- NO SPECIEN TREES ARE LOCATED ON THIS PLOT.
 - REQUIRED 12" DBH PER ACRE STANDARD, 4" DBH PER VAUANCE.
 - SITE = 1/4 ACRE
 - 14" x 12" DBH = 117' DBH TO BE PLANTED STANDARD, 4" DBH PER VAUANCE
 - 117' DBH / 7' CALIBER = 16.7' CALIBER TREES TO BE PLANTED STANDARD, 4" DBH / 7' CALIBER = 20.7' CALIBER TREES TO BE PLANTED PER VAUANCE



STAIR LAYOUT ENLARGEMENT
SCALE 1:5



GENERAL NOTE: ALL SPOT ELEVATIONS AND DIMENSIONS ARE TO BE FIELD VERIFIED AND APPROVED WITH OWNERS REP PRIOR TO CONSTRUCTION.

MATCHLINE LS-101
MATCHLINE LS-102

EARTHCON CONSULTANTS, INC.
DETTEL LANDSCAPE PLAN

1251 PARK AVENUE
BROOKHAVEN, GA 19

LOCAL ISSUING
CITY OF BROOKHAVEN



LANDSCAPE PLAN

AG-LP101

DATE: 02/24/16

DESIGNER: [Signature]

CHECKER: [Signature]

PROJECT NO.: JATL041155

DATE: 02/24/16

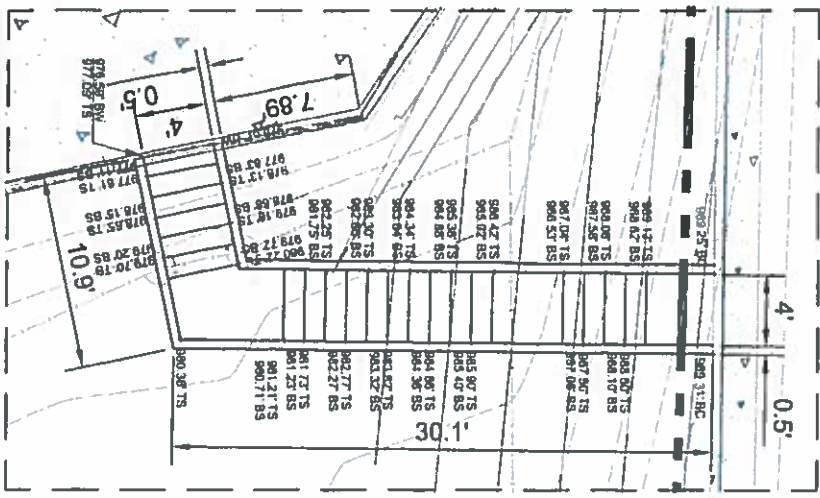
SCALE: 1" = 40'

THIS DRAWING MUST BE USED IN CONJUNCTION WITH ANY SCALE OR CONFORMANCE DOCUMENTS, SPECIFICATIONS AND

REV DATE REVISION

MATCHLINE LS-101
MATCHLINE LS-102

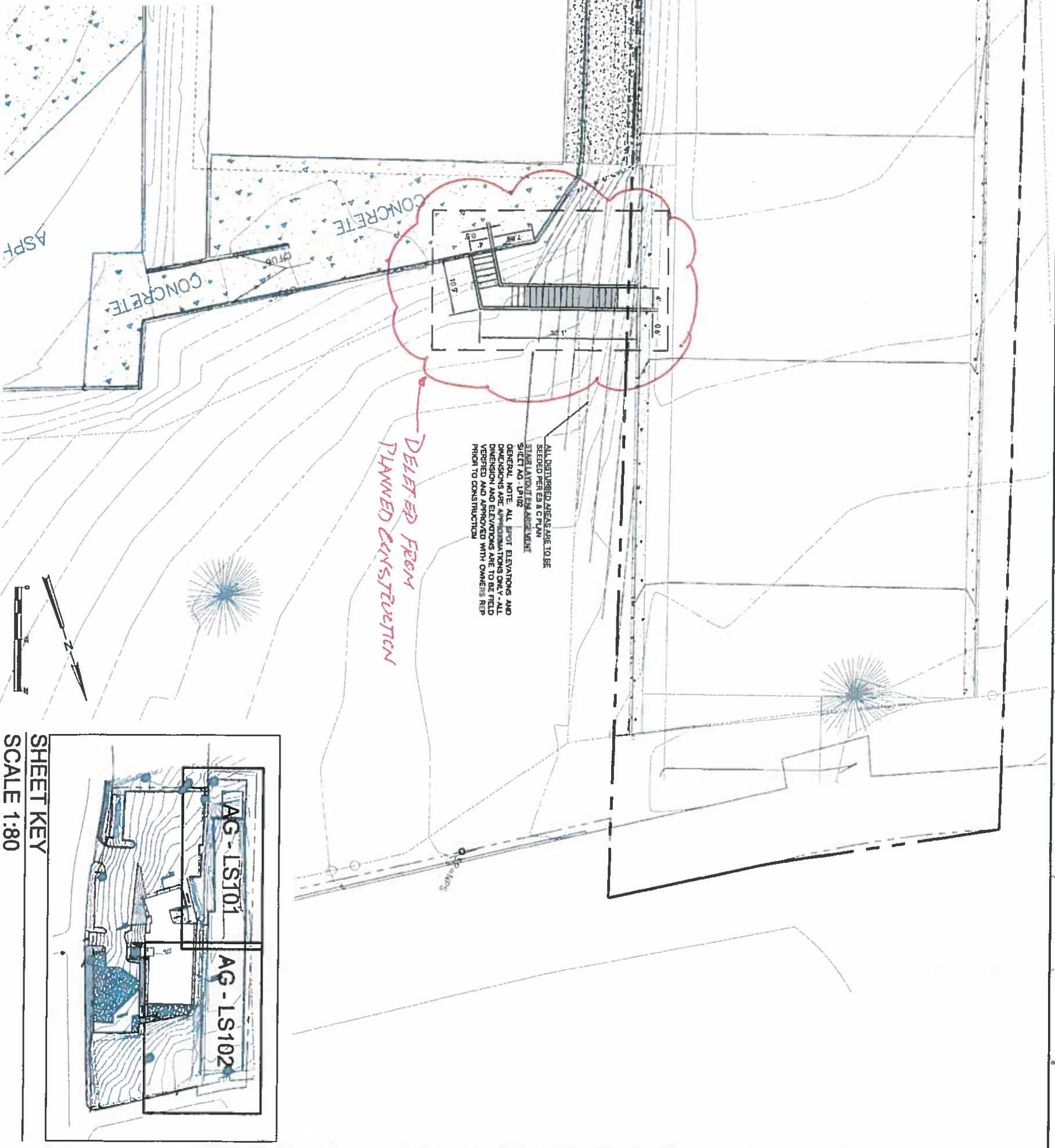
STAIR LAYOUT
ENLARGEMENT - SCALE 1:5



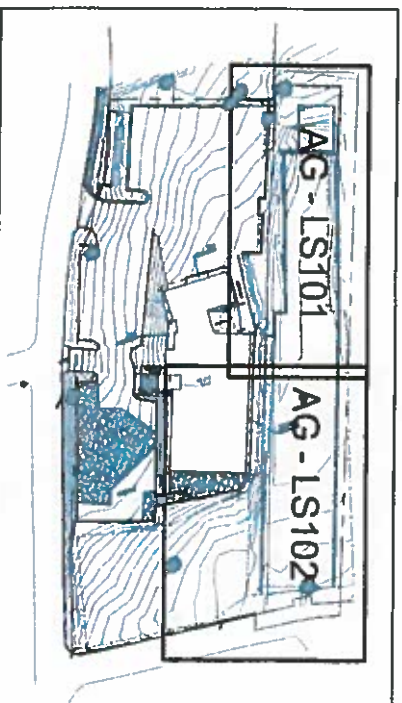
CONCRETE
SIDEWALK

DELETED FROM
PLANNED CONSTRUCTION

ALL DISTURBED AREAS ARE TO BE
SEEDBED PER ES & C PLAN
STAIR LAYOUT ENLARGEMENT
SHEET AG-LP102
GENERAL NOTE: ALL SPOT ELEVATIONS AND
DIMENSIONS ARE APPROXIMATIONS ONLY - ALL
DIMENSIONS AND ELEVATIONS ARE TO BE FIELD
VERIFIED AND APPROVED WITH OWNERS REP
PRIOR TO CONSTRUCTION



SHEET KEY
SCALE 1:80



SHEET AG-LP102	LANDSCAPE PLAN	THIS LINE UNDER NOTED WITH THE PROJECT NO: JATL04/15	DATE: 02/24/2016 DISC LEAD: [] DESIGNER: [] CHECKER: [] SHEET TITLE:	EARTHCON CONSULTANTS, INC. DETTEL LANDSCAPE PLAN 1251 PARK AVENUE BROOKHAVEN, GA 30319 LOCAL ISSUING AUTHORITY CITY OF BROOKHAVEN	Solutions Naturally. Arboguard Tree Specialists 111 North Cherokee Avenue Avondale Estates, Georgia 30001 info@arboguard.com	
		REV DATE REVISION DESCRIPTION	BENCH MARK THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE FURNISHED OR CONTRACT DOCUMENTS SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS			