

August 19, 2015

Mr. Robby Anderson, P.E., City Engineer
City of Prattville
102 West Main Street
Prattville, AL 36067

Subject: Phase II Environmental Site Assessment – Soil Testing
Radio Tower Parcel

Dear Mr. Anderson;

The Phase I Environmental Site Assessment of the Radio Tower Parcel that Environmental-Materials Consultants, Inc. (EMC) performed for the City of Prattville in 2014 revealed two recognized environmental conditions. One is the potential for soil and/or ground water contamination where contaminants could have been poured into a metal pipe that is open to a depth of approximately fifty feet and extends from the ground near one of the buildings on the site. The other is the potential for a petroleum release to have occurred from an unregistered underground fuel storage tank (UST) that would have been used to fuel the current and/or a previous emergency generator at the site. In an effort to investigate the open pipe EMC collected and analyzed soil/debris samples from its base. In an effort to investigate for petroleum contamination associated with an unregistered UST EMC collected and analyzed soil samples from six locations to the south, and presumably down-gradient, of the site area where there are communication buildings.

SOIL TESTING

The soil testing activities were conducted on July 27, 2015. Christian Testing Laboratories, Inc. (CTL) provided the drilling services. A CME 75 truck mounted drill rig was used to collect samples from the open pipe and the probe points were installed with a Geoprobe rig.

Prior to collecting samples from the open pipe a water level indicator was lowered into it and no water was detected. The pipe was open to 48.7 feet below ground surface. A split spoon sampler was attached to two-inch diameter drill rods and lowered into the pipe. The drill rig's automatic hammer was used to drive the two foot long split spoon. The materials in the pipe were sampled continuously. Approximately six inches of saturated gravel was recovered from the first sample that was collected from 48.7 feet to approximately 50 feet. The sample collected from approximately 50 feet to 51.5 feet consisted of approximately six-inches red clay with gravel and a piece of a soft drink can. Soft mud was encountered from approximately 51.5 feet to

61.5 feet. The saturated zone ended with the native soils that were encountered at approximately 61.5 feet. The soils from approximately 61.5 feet to the deepest sampling depth of approximately 64 feet consisted of silty sands. A boring log is included.

The samples were field screened for volatile organic compounds (VOCs) with a photoionization detector (PID). No VOCs were detected. One sample from the mud and one sample from the native soils were submitted for benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tertiary butyl ether (MTBE), polynuclear aromatic hydrocarbons (PAH), herbicides, and pesticides analyses. The analytical results for both samples were below the detection limits (BDL).

The locations of the six probe points were based on the current structures at the site and a review of historical aerial photographs. A site sketch with the approximate locations of the probe points is included. The probe points were extended to approximately twenty feet below ground surface and sampled continuously. Based on the soil samples the generalized stratigraphy consists of (excluding the surficial material) silty clay to approximately 4 feet. The soils from approximately 4 feet to the deepest sampling depth of approximately 20 feet consist of silty clay with fine gravel. Soil boring logs are included.

Soil samples were collected from the sample tubes at approximate five-foot intervals and field screened for VOCs with a PID. No VOCs were detected. One sample from each probe point was submitted for BTEX, MTBE and PAH analyses. The analytical results for the six samples were BDL. Laboratory analytical results and the chain of custody form are included.

FINDINGS

Based on the samples collected from the open pipe it appears that the depth of the pipe is approximately sixty feet with about ten feet of soft soil and debris at the bottom.

Analyses of the soil samples collected from the probe points reveal no evidence of a petroleum release.

CONCLUSIONS

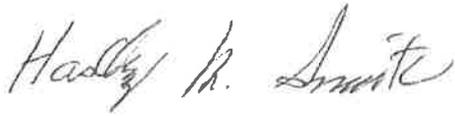
EMC believes that an appropriate scope of investigations has been performed, and that based on the findings of our investigation neither the open pipe nor the potential of a release from an unregistered UST are recognized environmental conditions.

LIMITATIONS

The findings and conclusions presented in this report are based on the scope of work EMC has performed at the Radio Tower Parcel. While we believe our scope of work to be appropriate, it is possible that there are contaminants on the property not identified by Phase 1 and Phase 2 investigations EMC has performed. This work has been performed for the sole use of the City of Prattville.

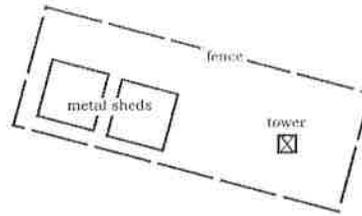
Should you have any questions, please do not hesitate to contact us at your convenience.

Sincerely,
Environmental-Materials Consultants, Inc.

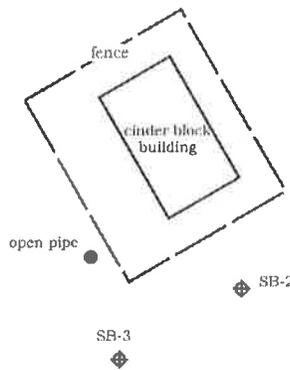
A handwritten signature in cursive script that reads "Hadley K. Smith". The signature is written in dark ink and is positioned above the printed name.

Hadley K. Smith, P.G.

Site Sketch



◆ SB-1



◆ SB-2

◆ SB-3

◆ SB-4

◆ SB-5

◆ SB-6

Legend

◆ approximate location of soil probe point w/ID



Phase II Environmental Site Assessment - Soil Testing
Radio Tower Parcel
Northington Street
Prattville, Alabama

JOB NUMBER:
MA-3453
DRAWING NO:
3453-1
DATE:
8/12/15

SCALE:
1"=30'
DRAWN BY:
HKS
CHECKED BY:
HKS



BORING LOG(S)		SHEET 1 OF 1 SHEETS	
1. PROJECT	Radio Tower Parcel	10. SIZE AND TYPE OF BIT	2" OD drill rods w/split spoon
2. LOCATION	Prattville, Alabama	11. DATUM FOR ELEVATION SHOWN	TBM elev. of 370.00'
3. DRILLING AGENCY	Christian Testing Laboratories, Inc.	12. MANUFACTURER'S DESIGN OF DRILL	CME 75
4. HOLE NO.	open pipe	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN (DISTURBED / UNDISTURBED)	7 (disturbed)
5. NAME OF DRILLER	Lubin	14. TOTAL NO. CORE BOXES	NA
6. DIRECTION OF HOLE	Vertical	15. ELEVATION GROUNDWATER	NA
7. THICKNESS OF OVERBURDEN	NA	16. DATE HOLE	7/27/15
8. DEPTH DRILLED INTO ROCK	NA	17. ELEVATION TOP OF HOLE	NA
9. TOTAL DEPTH OF HOLE	64 feet	18. TOTAL CORE RECOVERY FOR BORING	N/A
		19. SIGNATURE OF INSPECTOR	

W/C	DEPTH (FEET)	SYM	CLASSIFICATION OF MATERIALS (DESCRIPTION)	STANDARD-PENETRATION (BLOWS PER FOOT)	
				blow counts were not recorded	
	10		An approximate four-inch diameter metal pipe extended from the ground surface to at least 48.7 feet.		
	20				
	30				
	40				
dry	50			~6" of gravel recovered from 48.7' to 50'	
saturated				~6" of red clay w/gravel & a piece of a coke can recovered from 50' to 51.5'	
	60			7.5YR 6/8 reddish yellow silt (very soft, mud)	
wet				2.5Y 6/8 olive yellow micaceous silty sand	
	70			Boring terminated at 64 feet	
				note: the dotted lines for stratigraphic breaks are approximate	
			sample interval	MD ppin	
			48.7'-49'	0	
			50'-51.5'	0	
			51.5'-54'	0	
			54'-56'	0	
			56'-60'	0	
			60'-62'	0	
			62'-64'	0	

0 10 20 30 40 50

open pipe



Elevations are in feet and based on a temporary benchmark elevation of 370.00 feet above mean sea level which was determined by interpolating between contour lines on a USGS 7.5 minute topographic quadrangle (Prattville, AL).

BORING LOG(S)		SHEET 1 OF 1 SHEETS	
1. PROJECT	Radio Tower Parcel	10. SIZE AND TYPE OF BIT	2 1/4" OD drill rods
2. LOCATION	Prattville, Alabama	11. DATUM FOR ELEVATION SHOWN	TBM elev. of 370.00'
3. DRILLING AGENCY	Christian Testing Laboratories, Inc.	12. MANUFACTUR'S DESIGN OF DRILL	Geoprobe
4. HOLE NO.	SB-1	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN (DISTURBED / UNDISTURBED)	4 (undisturbed)
5. NAME OF DRILLER	Hunter Christian	14. TOTAL NO. CORE BOXES	NA
6. DIRECTION OF HOLE	Vertical	15. ELEVATION GROUNDWATER	NA
7. THICKNESS OF OVERBURDEN	NA	16. DATE HOLE	7/27/15
8. DEPTH DRILLED INTO ROCK	NA	17. ELEVATION TOP OF HOLE	NA
9. TOTAL DEPTH OF HOLE	20 feet	18. TOTAL CORE RECOVERY FOR BORING	N/A
		19. SIGNATURE OF INSPECTOR	

W/C	DEPTH (FEET)	SYM	CLASSIFICATION OF MATERIALS (DESCRIPTION)	STANDARD-PENETRATION (BLOWS PER FOOT)										
			gravel	The soil boring was advanced by direct push so there are no blow counts.										
			reddish brown silty sand w/fine gravel											
dry	5		2.5YR 3/6 red silty clay w/fine gravel											
dry	10													
dry	15													
dry	20													
			Boring terminated at 20 feet note: the dotted lines for stratigraphic breaks are approximate											
	25													
	30		<table border="1"> <thead> <tr> <th>sample interval</th> <th>PID ppm</th> </tr> </thead> <tbody> <tr> <td>3'-5'</td> <td>0</td> </tr> <tr> <td>8'-10'</td> <td>0</td> </tr> <tr> <td>13'-15'</td> <td>0</td> </tr> <tr> <td>18'-20'</td> <td>0</td> </tr> </tbody> </table>	sample interval	PID ppm	3'-5'	0	8'-10'	0	13'-15'	0	18'-20'	0	
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	35													

0 10 20 30 40 50



ENVIRONMENTAL-MATERIALS
CONSULTANTS, INC.

Elevations are in feet and based on a temporary benchmark elevation of 370.00 feet above mean sea level which was determined by interpolating between contour lines on a USGS 7.5 minute topographic quadrangle (Prattville, AL).

SB-1

BORING LOG(S)

SHEET 1 OF 1 SHEETS

1. PROJECT	Radio Tower Parcel	10. SIZE AND TYPE OF BIT	2 1/4" OD drill rods
2. LOCATION	Prattville, Alabama	11. DATUM FOR ELEVATION SHOWN	TBM elev. of 370.00'
3. DRILLING AGENCY	Christian Testing Laboratories, Inc.	12. MANUFACTUR'S DESIGN OF DRILL	Geoprobe
4. HOLE NO.	SB-2	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN (DISTURBED / UNDISTURBED)	4 (undisturbed)
5. NAME OF DRILLER	Hunter Christian	14. TOTAL NO. CORE BOXES	NA
6. DIRECTION OF HOLE	Vertical	15. ELEVATION GROUNDWATER	NA
7. THICKNESS OF OVERBURDEN	NA	16. DATE HOLE	7/27/15
8. DEPTH DRILLED INTO ROCK	NA	17. ELEVATION TOP OF HOLE	NA
9. TOTAL DEPTH OF HOLE	20 feet	18. TOTAL CORE RECOVERY FOR BORING	N/A
		19. SIGNATURE OF INSPECTOR	

W/C	DEPTH (FEET)	SYM	CLASSIFICATION OF MATERIALS (DESCRIPTION)	STANDARD-PENETRATION (BLOWS PER FOOT)										
			gravel	The soil boring was advanced by direct push so there are no blow counts.										
			7.5YR 4/4 brown silty sand											
dry	5		2.5YR 3/6 red silty clay w/fine gravel											
dry	10													
dry	15													
dry	20													
	25		Boring terminated at 20 feet note: the dotted lines for stratigraphic breaks are approximate											
			<table border="1"> <thead> <tr> <th>sample interval</th> <th>PID ppm</th> </tr> </thead> <tbody> <tr> <td>3'-5'</td> <td>0</td> </tr> <tr> <td>8'-10'</td> <td>0</td> </tr> <tr> <td>13'-15'</td> <td>0</td> </tr> <tr> <td>18'-20'</td> <td>0</td> </tr> </tbody> </table>	sample interval	PID ppm	3'-5'	0	8'-10'	0	13'-15'	0	18'-20'	0	
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	35													

0 10 20 30 40 50



**ENVIRONMENTAL-MATERIALS
CONSULTANTS, INC.**

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SB-2

BORING LOG(S)		SHEET 1 OF 1 SHEETS	
1. PROJECT	Radio Tower Parcel	10. SIZE AND TYPE OF BIT	2 1/4" OD drill rods
2. LOCATION	Prattville, Alabama	11. DATUM FOR ELEVATION SHOWN	TBM elev. of 370.00'
3. DRILLING AGENCY	Christian Testing Laboratories, Inc.	12. MANUFACTUR'S DESIGN OF DRILL	Geoprobe
4. HOLE NO.	SB-3	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN (DISTURBED / UNDISTURBED)	4 (undisturbed)
5. NAME OF DRILLER	Hunter Christian	14. TOTAL NO. CORE BOXES	NA
6. DIRECTION OF HOLE	Vertical	15. ELEVATION GROUNDWATER	NA
7. THICKNESS OF OVERBURDEN	NA	16. DATE HOLE	7/27/15
8. DEPTH DRILLED INTO ROCK	NA	17. ELEVATION TOP OF HOLE	NA
9. TOTAL DEPTH OF HOLE	20 feet	18. TOTAL CORE RECOVERY FOR BORING	N/A
		19. SIGNATURE OF INSPECTOR	

W/C	DEPTH (FEET)	SYM	CLASSIFICATION OF MATERIALS (DESCRIPTION)	STANDARD-PENETRATION (BLOWS PER FOOT)										
			2.5YR red silty clay	The soil boring was advanced by direct push so there are no blow counts.										
dry	5													
dry	10		2.5YR 3/6 red silty clay w/fine gravel											
dry	15													
dry	20													
			Boring terminated at 20 feet note: the dotted lines for stratigraphic breaks are approximate											
	25													
	30		<table border="1"> <thead> <tr> <th>sample interval</th> <th>PID ppm</th> </tr> </thead> <tbody> <tr> <td>3'-5'</td> <td>0</td> </tr> <tr> <td>8'-10'</td> <td>0</td> </tr> <tr> <td>13'-15'</td> <td>0</td> </tr> <tr> <td>18'-20'</td> <td>0</td> </tr> </tbody> </table>	sample interval	PID ppm	3'-5'	0	8'-10'	0	13'-15'	0	18'-20'	0	
sample interval	PID ppm													
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13'-15'	0													
18'-20'	0													
	35													

0 10 20 30 40 50



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SB-3

BORING LOG(S)		SHEET 1 OF 1 SHEETS	
1. PROJECT	Radio Tower Parcel	10. SIZE AND TYPE OF BIT	2 1/4" OD drill rods
2. LOCATION	Prattville, Alabama	11. DATUM FOR ELEVATION SHOWN	TBM elev. of 370.00'
3. DRILLING AGENCY	Christian Testing Laboratories, Inc.	12. MANUFACTUR'S DESIGN OF DRILL	Geoprobe
4. HOLE NO.	SB-4	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN (DISTURBED / UNDISTURBED)	4 (undisturbed)
5. NAME OF DRILLER	Hunter Christian	14. TOTAL NO. CORE BOXES	NA
6. DIRECTION OF HOLE	Vertical	15. ELEVATION GROUNDWATER	NA
7. THICKNESS OF OVERBURDEN	NA	16. DATE HOLE	7/27/15
8. DEPTH DRILLED INTO ROCK	NA	17. ELEVATION TOP OF HOLE	NA
9. TOTAL DEPTH OF HOLE	20 feet	18. TOTAL CORE RECOVERY FOR BORING	N/A
		19. SIGNATURE OF INSPECTOR	

W/C	DEPTH (FEET)	SYM	CLASSIFICATION OF MATERIALS (DESCRIPTION)	STANDARD-PENETRATION (BLOWS PER FOOT)
			2.5YR red silty clay	The soil boring was advanced by direct push so there are no blow counts.
dry	5			
dry	10		2.5YR 3/6 red silty clay w/fine gravel	
dry	15			
dry	20			
			Boring terminated at 20 feet note: the dotted lines for stratigraphic breaks are approximate	
	25			
	30			
	35			

sample interval	PID ppm
3'-5'	0
8'-10'	0
13'-15'	0
18'-20'	0

0 10 20 30 40 50



**ENVIRONMENTAL-MATERIALS
CONSULTANTS, INC.**

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SB-4

BORING LOG(S)		SHEET 1 OF 1 SHEETS	
1. PROJECT	Radio Tower Parcel	10. SIZE AND TYPE OF BIT	2 1/4" OD drill rods
2. LOCATION	Prattville, Alabama	11. DATUM FOR ELEVATION SHOWN	TBM elev. of 370.00'
3. DRILLING AGENCY	Christian Testing Laboratories, Inc.	12. MANUFACTURER'S DESIGN OF DRILL	Geoprobe
4. HOLE NO.	SB-5	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN (DISTURBED / UNDISTURBED)	4 (undisturbed)
5. NAME OF DRILLER	Hunter Christian	14. TOTAL NO. CORE BOXES	NA
6. DIRECTION OF HOLE	Vertical	15. ELEVATION GROUNDWATER	NA
7. THICKNESS OF OVERBURDEN	NA	16. DATE HOLE	7/27/15
8. DEPTH DRILLED INTO ROCK	NA	17. ELEVATION TOP OF HOLE	NA
9. TOTAL DEPTH OF HOLE	20 feet	18. TOTAL CORE RECOVERY FOR BORING	N/A
		19. SIGNATURE OF INSPECTOR	

W/C	DEPTH (FEET)	SYM	CLASSIFICATION OF MATERIALS (DESCRIPTION)	STANDARD-PENETRATION (BLOWS PER FOOT)									
			2.5YR red silty clay	The soil boring was advanced by direct push so there are no blow counts.									
dry	5												
dry	10		2.5YR 3/6 red silty clay w/fine gravel										
dry	15												
dry	20		10YR 6/8 brownish yellow silty clay w/fine gravel										
			Boring terminated at 20 feet note: the dotted lines for stratigraphic breaks are approximate										
	25												
	30												
	35												
			<table border="1"> <thead> <tr> <th>sample interval</th> <th>PID ppm</th> </tr> </thead> <tbody> <tr> <td>3'-5'</td> <td>0</td> </tr> <tr> <td>8'-10'</td> <td>0</td> </tr> <tr> <td>13'-15'</td> <td>0</td> </tr> <tr> <td>18'-20'</td> <td>0</td> </tr> </tbody> </table>	sample interval	PID ppm	3'-5'	0	8'-10'	0	13'-15'	0	18'-20'	0
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8'-10'	0												
13'-15'	0												
18'-20'	0												

0 10 20 30 40 50



**ENVIRONMENTAL-MATERIALS
CONSULTANTS, INC.**

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SB-5

BORING LOG(S)		SHEET 1 OF 1 SHEETS	
1. PROJECT	Radio Tower Parcel	10. SIZE AND TYPE OF BIT	2 1/4" OD drill rods
2. LOCATION	Prattville, Alabama	11. DATUM FOR ELEVATION SHOWN	TBM elev. of 370.00'
3. DRILLING AGENCY	Christian Testing Laboratories, Inc.	12. MANUFACTURER'S DESIGN OF DRILL	Geoprobe
4. HOLE NO.	SB-6	13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN (DISTURBED / UNDISTURBED)	4 (undisturbed)
5. NAME OF DRILLER	Hunter Christian	14. TOTAL NO. CORE BOXES	NA
6. DIRECTION OF HOLE	Vertical	15. ELEVATION GROUNDWATER	NA
7. THICKNESS OF OVERBURDEN	NA	16. DATE HOLE	7/27/15
8. DEPTH DRILLED INTO ROCK	NA	17. ELEVATION TOP OF HOLE	NA
9. TOTAL DEPTH OF HOLE	20 feet	18. TOTAL CORE RECOVERY FOR BORING	N/A
		19. SIGNATURE OF INSPECTOR	

W/C	DEPTH (FEET)	SYM	CLASSIFICATION OF MATERIALS (DESCRIPTION)	STANDARD-PENETRATION (BLOWS PER FOOT)										
			2.5YR red silty clay	The soil boring was advanced by direct push so there are no blow counts.										
dry	5													
dry	10		2.5YR 3/6 red silty clay w/fine gravel											
dry	15													
dry	20		10YR 6/8 brownish yellow silty clay w/fine gravel											
			Boring terminated at 20 feet note: the dotted lines for stratigraphic breaks are approximate											
	25													
	30		<table border="1"> <thead> <tr> <th>sample interval</th> <th>PID ppm</th> </tr> </thead> <tbody> <tr> <td>3'-5'</td> <td>0</td> </tr> <tr> <td>8'-10'</td> <td>0</td> </tr> <tr> <td>13'-15'</td> <td>0</td> </tr> <tr> <td>18'-20'</td> <td>0</td> </tr> </tbody> </table>	sample interval	PID ppm	3'-5'	0	8'-10'	0	13'-15'	0	18'-20'	0	
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	35													

0 10 20 30 40 50



ENVIRONMENTAL-MATERIALS
CONSULTANTS, INC.

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SB-6

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500



Client: EMC	Report Date: August 11, 2015
Attention: Mr. Hadley Smith	Reference # 33376
Address: 2027 Chestnut Street	P.O. # MA-3453
Montgomery, AL 36106	Project ID: Radio Tower Parcel

Sample Matrix: soil	Analytical
Date Received: 7/29/15	Analyst: Heard / Hageman
Date Collected: 7/27/15	Date of Analysis: 7/31/15
Sample Collector: Hadley Smith	Method: EPA Method 8260B

VOLATILE ORGANICS - BTEX/MTBE							
	FIELD ID						
	SB1/S-3	SB2/S-2	SB3/S-1	SB4/S-4	SB5/S-4	SB6/S-2	
Volatile Organic, ppm	LAB ID	Detection Limit, ppm					
	164730	164731	164732	164733	164734	164735	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	0.005
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	0.005
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	0.005
Xylenes, o,m,p	BDL	BDL	BDL	BDL	BDL	BDL	0.015
MTBE	BDL	BDL	BDL	BDL	BDL	BDL	0.005
	FIELD ID	FIELD ID					
	P/S-3	P/S-7					
Volatile Organic, ppm	LAB ID	LAB ID					Detection Limit, ppm
	164736	164737					
Benzene	BDL	BDL					0.005
Toluene	BDL	BDL					0.005
Ethylbenzene	BDL	BDL					0.005
Xylenes, o,m,p	BDL	BDL					0.015
MTBE	BDL	BDL					0.005

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as ppm of analyte

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Quality Environmental Analytical Services

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500



Client:	EMC	Report Date:	August 11, 2015
Attention:	Mr. Hadley Smith	Reference #	33376
Address:	2027 Chestnut Street	P.O. #	MA-3453
	Montgomery, AL 36106	Project ID:	Radio Tower Parcel

Sample Matrix:	soil	Extraction Date:	7/30/15
Date Received:	7/29/15	Analyst:	Hageman/Heard
Date Collected:	7/27/15	Date of Analysis:	7/30-31/15
Sample Collector:	Hadley Smith	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID						
	SB1/S-3	SB2/S-2	SB3/S-1	SB4/S-4	SB5/S-4	SB6/S-2	
Polynuclear Aromatics, ppm	LAB ID	Detection Limit, ppm					
	164730	164731	164732	164733	164734	164735	
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(ghi)perylene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Chrysene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluorene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Phenanthrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Pyrene	BDL	BDL	BDL	BDL	BDL	BDL	0.050

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPM (mg/kg)

Quality Environmental Analytical Services

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
 Birmingham, AL 35233
 205-581-9500



Client: EMC	Report Date: August 11, 2015
Attention: Mr. Hadley Smith	Reference # 33376
Address: 2027 Chestnut Street	P.O. # MA-3453
Montgomery, AL 36106	Project ID: Radio Tower Parcel

Sample Matrix: soil	Extraction Date: 7/30/15
Date Received: 7/29/15	Analyst: Hageman/Heard
Date Collected: 7/27/15	Date of Analysis: 7/31/15
Sample Collector: Hadley Smith	Method: EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS						
	FIELD ID	FIELD ID				
	P/S-3	P/S-7				
Polynuclear Aromatics, ppm	LAB ID	LAB ID				Detection Limit, ppm
	164736	164737				
Acenaphthene	BDL	BDL				0.050
Acenaphthylene	BDL	BDL				0.050
Anthracene	BDL	BDL				0.050
Benzo(a)anthracene	BDL	BDL				0.050
Benzo(b)fluoranthene	BDL	BDL				0.050
Benzo(k)fluoranthene	BDL	BDL				0.050
Benzo(ghi)perylene	BDL	BDL				0.050
Benzo(a)pyrene	BDL	BDL				0.050
Chrysene	BDL	BDL				0.050
Dibenzo(ah)anthracene	BDL	BDL				0.050
Fluoranthene	BDL	BDL				0.050
Fluorene	BDL	BDL				0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL				0.050
Naphthalene	BDL	BDL				0.050
Phenanthrene	BDL	BDL				0.050
Pyrene	BDL	BDL				0.050

BDL = Below Detection Limit
 Detection Limit is Practical Quantitation Limit
 All results expressed as PPM (mg/kg)

MH /QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety
 Analytical Chemist

Quality Environmental Analytical Services

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500



Client:	EMC	Report Date:	August 11, 2015
Attention:	Mr. Hadley Smith	Reference #	33376
Address:	2027 Chestnut Street	P.O. #	MA-3453
	Montgomery, AL 36106	Project ID:	Radio Tower Parcel

Sample Matrix:	soil	Extraction Date:	7/30/15
Date Received:	7/29/15	Analyst:	Hageman
Date Collected:	7/27/15	Date of Analysis:	7/31/15
Sample Collector:	Hadley Smith	Method:	EPA Method 8081B

PESTICIDES					
	FIELD ID	FIELD ID			
EXTRACTABLE PESTICIDES, PPB	P/S-3 LAB ID 164736	P/S-7 LAB ID 164737			Detection Limit, PPB
Aldrin	BDL	BDL			50
BHC - Alpha	BDL	BDL			50
BHC - Beta	BDL	BDL			50
BHC - Delta	BDL	BDL			50
BHC - Gamma (Lindane)	BDL	BDL			50
Chlordane - Alpha	BDL	BDL			50
Chlordane - Gamma	BDL	BDL			50
4 - 4' - DDD	BDL	BDL			50
4 - 4' - DDE	BDL	BDL			50
4 - 4' - DDT	BDL	BDL			50
Dieldrin	BDL	BDL			50
Endosulfan I	BDL	BDL			50
Endosulfan II	BDL	BDL			50
Endosulfan Sulfate	BDL	BDL			50
Endrin	BDL	BDL			50
Endrin Aldehyde	BDL	BDL			50
Heptachlor	BDL	BDL			50
Heptachlor Epoxide	BDL	BDL			50
Methoxychlor	BDL	BDL			50

BDL = Below Detection Limit, Practical
All results expressed as PPB (ug/Kg) of analyte

 / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety
Analytical Chemist

Quality Environmental Analytical Services

Sutherland

Environmental Company, Inc.

2515 5th Avenue South
Birmingham, AL 35233
205-581-9500



Client: EMC	Report Date: August 11, 2015
Attention: Mr. Hadley Smith	Reference # 33376
Address: 2027 Chestnut Street	P.O. # MA-3453
Montgomery, AL 36106	Project ID: Radio Tower Parcel

Sample Matrix: soil	Extraction Date: 8/5/15
Date Received: 7/29/15	Analyst: RMP/KJH
Date Collected: 7/27/15	Date of Analysis: 8/6/15
Sample Collector: Hadley Smith	Method: EPA Method 8151A

CHLORINATED HERBICIDES						
	FIELD ID	FIELD ID				
	P/S-3	P/S-7				
Analyte, ug/Kg as Total	LAB ID	LAB ID				Detection Limit,ug/Kg
	164736	164737				
2,4-D	BDL	BDL				50
dalapon	BDL	BDL				50
2,4-DB	BDL	BDL				55
dicamba	BDL	BDL				50
dichlorprop	BDL	BDL				50
dinoseb	BDL	BDL				55
MCPA	BDL	BDL				10200
MCPP	BDL	BDL				7050
pentachlorophenol	BDL	BDL				60
silvex(2,4,5-TP)	BDL	BDL				50
2,4,5-T	BDL	BDL				50
4-nitrophenol	BDL	BDL				50

BDL = Below Detection Limit
Detection Limit is Practical Quantitation Limit
All results expressed as PPB ug/Kg of total analyte

MH 1QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety

Kevin Doriety
Analytical Chemist

Quality Environmental Analytical Services

33376

CHAIN OF CUSTODY
ANALYSIS REQUEST

SUTHERLAND
ENVIRONMENTAL COMPANY, INC.
2515 5th Avenue South
B'HAM, AL 35233
PHONE (205)581-9500 FAX (205)581-9504

SEND REPORT TO:
Name/Co.: Hadley-Smith Environmental Materials Consultants, Inc.
Address: 2027 Chestnut Street
Montgomery, Alabama 36106
Phone/Fax: 334-265-4600/334-265-4043
E-mail: hadley@emcinc.net
PDF Results: yes no

Client P.O. # MA-3453

CLIENT: Environmental-Materials Consultants, Inc.		PROJECT: <u>RADIO TOWER PARCEL</u>		SAMPLERS: <u>HADLEY SMITH</u>				
DATE DELIVERED: <u>1 / 1</u>		SAMPLE DESCRIPTION (matrix): <u>fruit fund (not fruit fund)</u>		ANALYSIS REQUESTED / METHOD				
LAB ID	FIELD ID	DATE / TIME	BTEX/NITRE	PAH	herbicides	pesticides	TPH	Number of sample containers
104730	3453/672715	7/27/15 930	X	V				1
104731	581/5-3	955	X	X				1
104732	582/5-2	1020	X	X				1
104733	584/5-4	1240	X	X				1
104734	585/5-4	1135	X	X				1
104735	586/5-2	1200	X	X	X			3
104736	915-3	935	X	X	X			3
104737	915-7	1035	X	X	X			3

Indicate preservative: (a)HCL, (b)HNO3, (c)H2SO4, (d)NaOH, (e) Zn Acetate
Indicate container type: (g) Glass, (p) Plastic, (v) VOC Vial, (u) Teller bag

Relinquished by: Hadley Smith Date/Time: 7/28/15 1500
Received by: Hadley Smith Date/Time: 7/27/15 930

Relinquished by: _____ Date/Time: _____
Received by: _____ Date/Time: _____

Remarks: fruit fund (not fruit fund)
7/27/15 11:15
RUSH*
Standard
X
* 1-Day * 2-Day * 3-Day * Same Day
* If RUSH, mark below:
Refrigerated upon receipt: Yes No
Invoice # (LAB use only): 33376