SUMMARY REPORT FOR THE OCTOBER 2007 SAMPLING EVENT

INVESTIGATION OF "LOW-LYING AREAS"

Coliseum Boulevard Plume Site Montgomery, Alabama

December 2007

Submitted to:

The Alabama Department of Environmental Management
Montgomery, Alabama

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DEPARTMENT OF TRANSPORTATION

SUMMARY REPORT FOR THE OCTOBER 2007 SAMPLING EVENT

INVESTIGATION OF "LOW-LYING AREAS"

Introduction

The ALDOT (Alabama Department of Transportation) is investigating the soil and groundwater for TCE (trichloroethylene) in the area known as the Coliseum Boulevard Plume in Montgomery, Alabama. The investigation is being conducted under the direction of the ADEM (Alabama Department of Environmental Management). This report contains results of samples of sediment and surface water collected from the Low-Lying Areas during the 2007 4th Quarter Event.

The Low-Lying Areas consist of three (3) different areas. Each of the Low-Lying Areas is located northeast of the Kilby Ditch (Figure 1). The construction of roads, railroad tracks, and other human and natural activities has resulted in the impoundment of water in these Low-Lying Areas. The smallest Low-Lying area (about 2 acres) is located south of North Boulevard and north of Russell Corporation. Surface water in this area is recharged from nearby Kilby Ditch, storm-water runoff, a wastewater / stormwater outfall from Russell Corporation, and a high water table. Between North Boulevard and the railroad tracks is a Low-Lying Area that is about 12 acres. North of the railroad tracks (identified as Western Railway of Alabama) is the largest Low-Lying Area in this investigation at about 33 acres in size. The water from Kilby Ditch generally continues to flow under North Boulevard and discharges into a perennial stream that is north of North Boulevard. The perennial stream continues and divides into braided streams that generally flow to the east and north. The Low-Lying Areas north of the railroad tracks and the area between North Boulevard and the railroad tracks are not hydraulically connected by surface water.

The surface water and sediment monitoring events for the Low-Lying Areas are being performed in accordance with the Addendum 04 of the Comprehensive Work Plan. Sample locations A through H are north of the railroad tracks and are monitored annually. Sample locations I through M are north of North Boulevard but south of the railroad tracks are monitored semi-annually. Locations N through P are south of North Boulevard and are monitored quarterly.

This report provides the results for the October 2007 sampling event, which was a quarterly event.

Sample Collection

On October 25, 2007, three (3) locations (locations N through P) were sampled for VOCs in sediments and surface-water (see Table 1 and Figure 2).

A hand auger was used to collect sediment samples at the selected locations. Sediment samples for VOC were collected from the hand auger using an EnCore sampler. A split sample was utilized for moisture content determinations to allow reporting of VOCs on a dry weight basis. Sampling depth has varied as sedimentation depth is influenced by the velocity and depth of the water flow in the Low-Lying Areas. The sediment samples were collected immediately above the first stiff silt, clay, or organic layer, which was approximately 9 inches below land surface (BLS).

Surface-water samples were collected by slowly lowering an upright VOC glass vial, which contained hydrochloric acid as a preservative, into the water. The cap of the VOC vial was used to add water to form a meniscus before sealing the vial with a Teflon-lined cap (zero headspace).

Sediment and surface-water samples were immediately placed on ice, in a cooler, and shipped to EnviroChem's laboratory in Mobile, Alabama for VOC analyses under strict chain-of-custody. The samples were analyzed for VOC's using Method 5035/8260 (sediment) and 8260 (groundwater) as outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

Samples were also collected from selected locations in the low-lying areas from temporary wells that were installed with direct push equipment (Geoprobe® 6625). The wells were installed during a soils investigation to determine soil types and distance to the first distinct clay for use in design of a wetlands treatment system in the low-lying area. Included in the attachments of this report are a figure showing test locations, boring logs and laboratory results of groundwater samples.

Results

The historical and current analytical results for samples collected in the Low-Lying Areas are presented in Tables 2a (sediment results) and 2b (surface water results). Analytical results for the October 2007 sampling event are shown in Figure 3 (sediment results) and Figure 4 (surface water results).

Sediment

During this event, sediment samples collected at all locations did not contain TCE or cis-1,2-dichloroethene at concentrations of greater than 5 micrograms per kilogram (µg/kg). Samples collected from locations N and P did not contain vinyl chloride at concentrations of greater than 5 micrograms per kilogram (µg/kg), however, the sample collected from location O contained 8 micrograms per kilogram (µg/kg) of vinyl chloride. Laboratory reports are included in the Attachment.

Surface Water

During the October 2007 sampling event, samples collected at all locations did not contain vinyl chloride at concentrations of greater than 1.0 microgram per kilogram (µg/kg). TCE was detected in one of the three locations sampled. The TCE concentration detected at sample location P was 12.0 µg/l (micrograms per liter). Cis-1,2-dichloroethene was also detected at location O at a concentration of 2.4 ug/l. Laboratory reports are included in the Attachment.

Preliminary Ecological Screening

A Preliminary Screening Level Evaluation (PSLE) under the Alabama Risk Based Corrective Action (ARBCA) guidance was performed for the CBP site in January 2007. The PSLE involves comparison of the Preliminary Screening Values (PSVs) for trespasser and ecological receptors to recent surface water and sediment data for the Low-lying Areas, as described below. In accordance with the ARBCA Guidance Manual, if a constituent is present in a dataset at a detected concentration, the constituent is termed a chemical of potential concern (COPC). If a detected COPC concentration exceeds the PSV, the COPC is termed a chemical of concern (COC) and requires further evaluation using the ARBCA risk management process.

Since 2001, surface water samples have been collected from 16 locations (A through P) in the Low-lying Areas and analyzed for VOCs. Locations A through H, located north of the railroad tracks, are sampled annually. Locations I through M, located north of North Boulevard but south of the railroad tracks, are sampled semi-annually. Locations N through P, located south of North Boulevard, are sampled quarterly. The sampling locations in the Low-lying Areas are shown on Figure 2.

The potential for human and ecological health risks from exposure to constituents detected in surface water is evaluated by comparing surface water data from the Low-lying Areas to the PSVs, described above. Surface water data from all sampling locations in the Low-lying Areas are used to evaluate the potential for human health risk.

Table 3a presents data summaries, including frequency of detection and range of detected concentrations, of surface water data from all sampling locations in the Low-lying Areas. The data used to select representative concentrations are from samples collected between January 2005 and October 2007.

As shown in Table 3a, the maximum detected concentrations of all COPCs in surface water are less than the PSVs derived for incidental dermal contact by an

adolescent trespasser and consumption of fish by adult sport fishermen. Therefore, there are no COCs in surface water in the Low-lying Areas for incidental dermal contact by an adolescent trespasser and consumption of fish by adult sports fishermen, and human health risks from these exposure pathways are unlikely. Table 3a presents data summaries, including frequency of detection and range of detected concentrations, of surface water data from sampling locations in the Low-lying Areas. The data used to select representative concentrations and the logic for this selecting this dataset are as described above.

As shown in Table 3b, the maximum detected concentrations of all COPCs in surface water are less than the USEPA Region 4 or USEPA Region 5 ESLs for surface water. Therefore, there are no COCs in surface water in the Low-lying Areas for ecological receptors, thus ecological risks are unlikely.

Since 2001, sediment samples have been collected from 16 locations (A through P as described above and shown on Figure 2) in the Low-lying Areas, from depths between 3 and 12 inches, and analyzed for volatile organic constituents. The data used to select representative concentrations are from samples collected between January 2005 and October 2007.

The potential for human and ecological health risks from exposure to COPCs detected in sediment is evaluated by comparing sediment data from the Low-lying Areas to the selected or derived PSVs. Table 3c presents a summary of sediment data, including frequency of detection and range of detected concentrations.

As shown in Table 3c, the maximum detected concentrations of all COPCs in sediment are less than the PSVs derived for incidental ingestion and dermal contact by an adolescent trespasser. Therefore, there are no COCs in sediment in the Low-lying Areas for incidental ingestion and dermal contact by an adolescent trespasser, and human health risks from these exposure pathways are unlikely. As also shown in Table 3c, the maximum detected concentrations of all COPCs in sediment are less than the USEPA, Region 5 ESLs for sediment. Therefore, there are no COCs in sediment in the Low-lying Areas for ecological receptors, and ecological risk is unlikely.

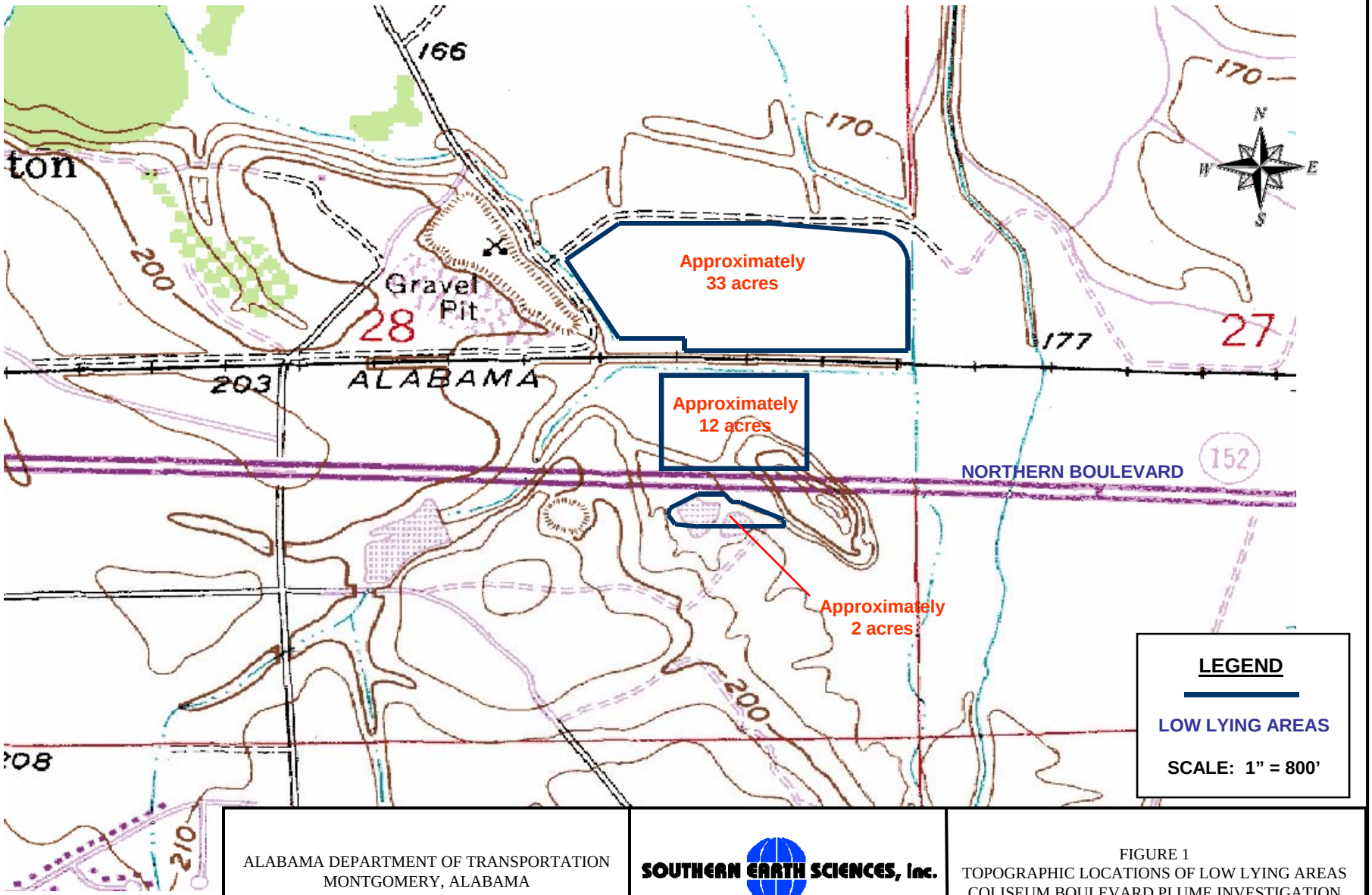
No maximum concentrations from this sampling event exceeded the soil and surface water ecological screening values.

Recommendations

The ALDOT is preparing a Long Term Monitoring Plan that will modify sampling locations in the Low Lying Area after the wetlands treatment system is constructed.

Sampling in accordance with the current plan will continue until the Long Term Monitoring Plan is approved.

FIGURES



ALABAMA DEPARTMENT OF TRANSPORTATION
MONTGOMERY, ALABAMA

Source: Montgomery North, Alabama USGS
7.5 Minute Topographic Map [1958 (Photorevised 1988)]

SOUTHERN EARTH SCIENCES, Inc.
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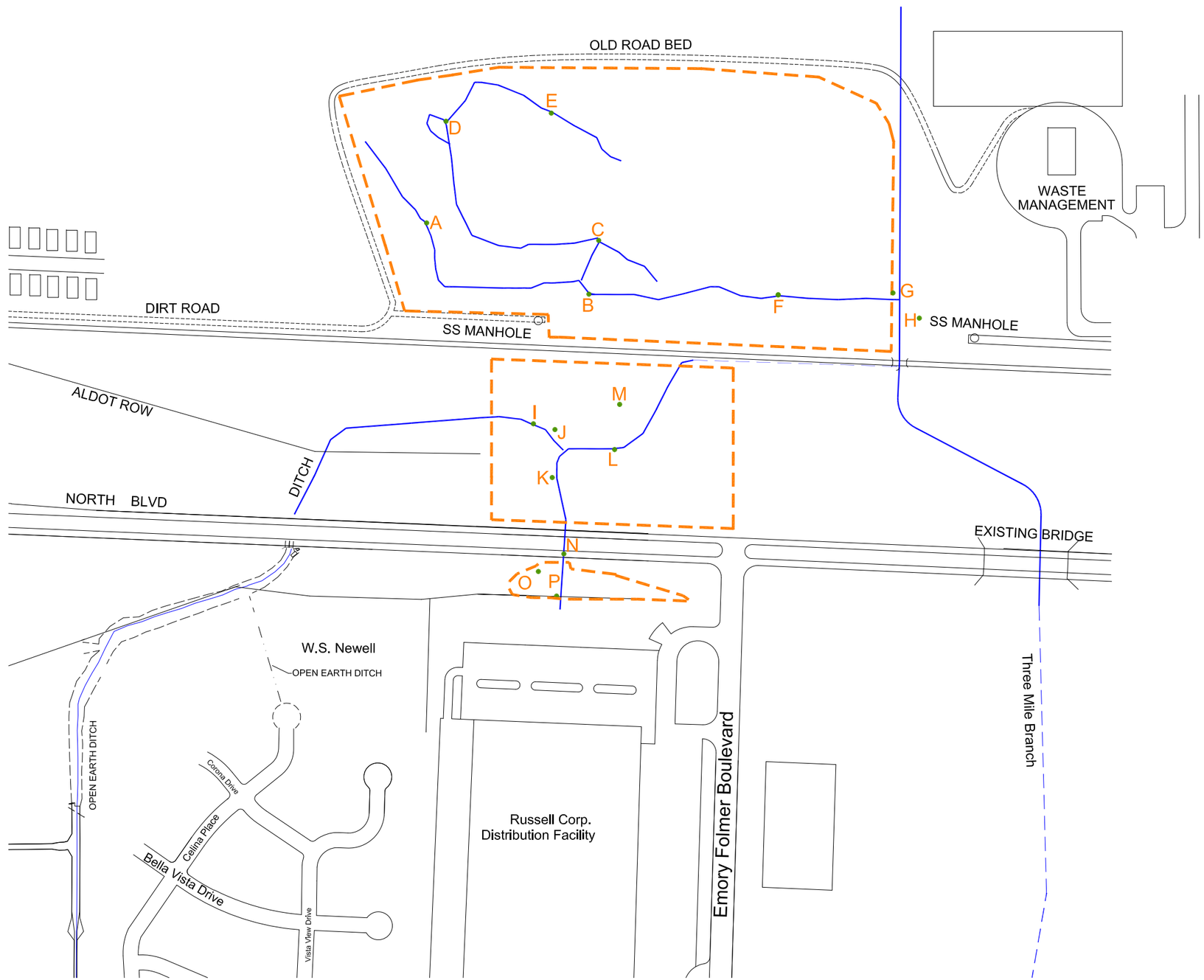
FIGURE 1
TOPOGRAPHIC LOCATIONS OF LOW LYING AREAS
COLISEUM BOULEVARD PLUME INVESTIGATION
MONTGOMERY, ALABAMA
SESI JOB #C-06-401

NOTE: 1) ALL UNITS LISTED ARE IN MICROGRAMS PER KILOGRAM (UG/KG) OR PARTS PER BILLION EQUIVALENT.

2) ONLY DETECTED CONSTITUENT ARE ILLUSTRATED.



-400 -200 0 -400

SCALE, IN FEET

LEGEND

Boundary of Low Lying Area

M Sample location and Identifier

Approximate locations of intermittent streams

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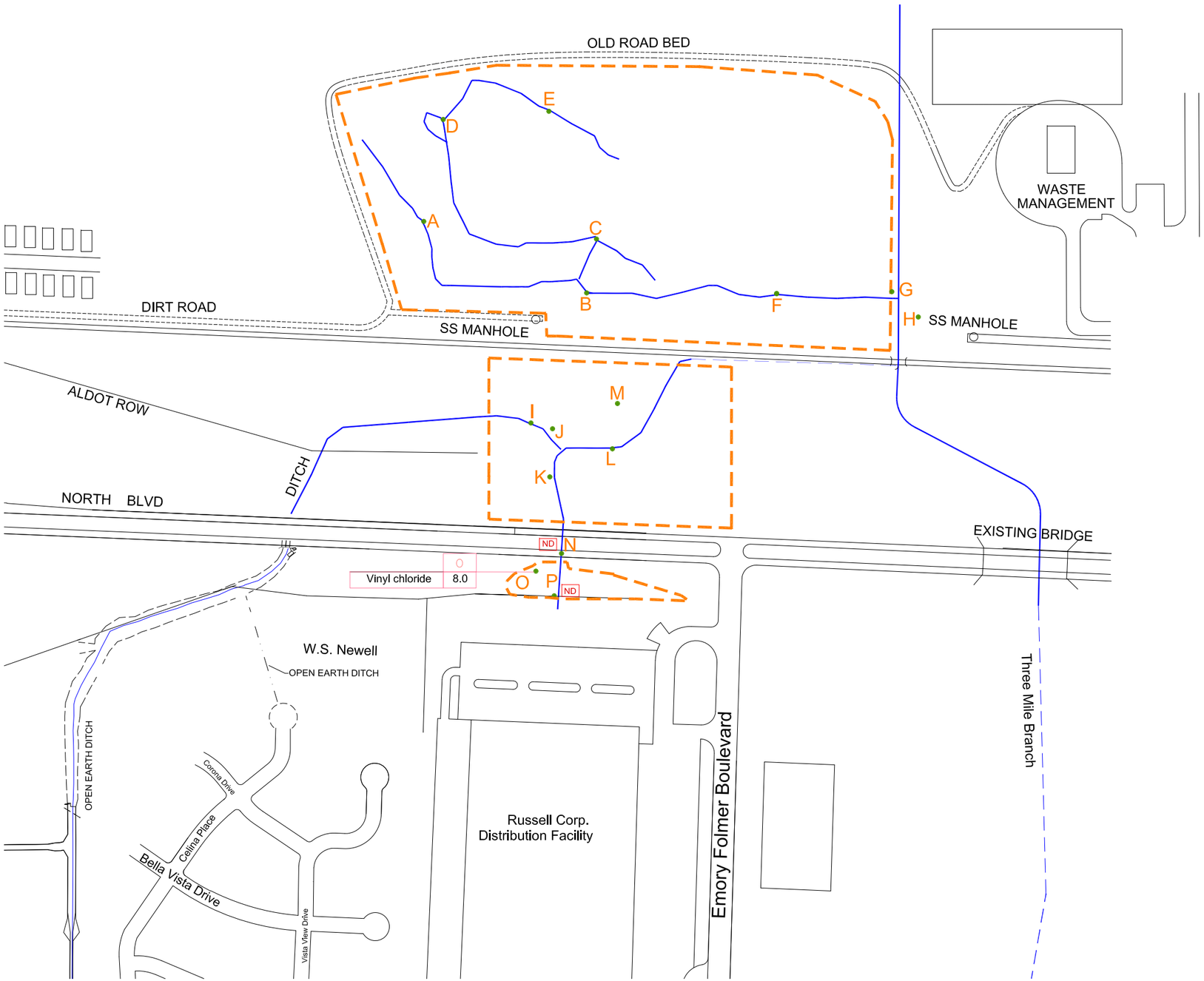
COLISEUM BOULEVARD PLUME INVESTIGATION

FIGURE 2 - SAMPLE LOCATIONS AND IDENTIFIERS
LOW-LYING AREAS
October 2007 SAMPLING EVENT
SESI JOB # C-06-401

NOTE: 1) ALL UNITS LISTED ARE IN MICROGRAMS PER KILOGRAM (UG/KG) OR PARTS PER BILLION EQUIVALENT.

2) ONLY DETECTED CONSTITUENT ARE ILLUSTRATED.



-400 -200 0 -400

SCALE, IN FEET

LEGEND

ND	Not Detected
	Boundary of Low Lying Area
M •	Sample location and Identifier
	Approximate locations of intermittent streams

NOTE:

No contaminants detected in any samples during the July 2007 sampling event. Locations I, J, K, L, M, N, O and P were sampled.

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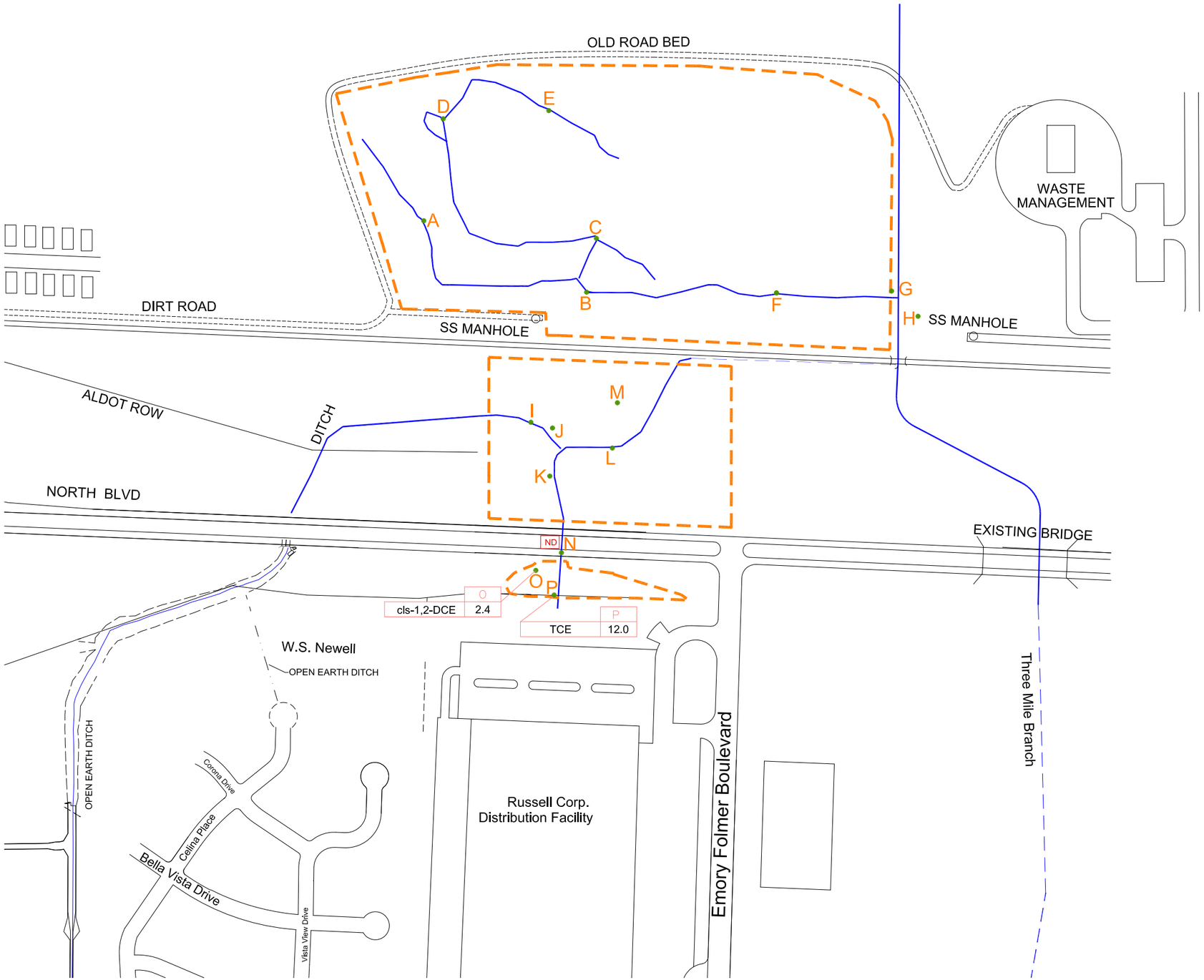
COLISEUM BOULEVARD PLUME INVESTIGATION

FIGURE 3 - SEDIMENT SAMPLES
COLLECTED FROM LOW LYING AREAS
October 2007 SAMPLING EVENT
SESI JOB # C-06-401

NOTE: 1) ALL UNITS LISTED ARE IN MICROGRAMS PER LITER (UG/L) OR PARTS PER BILLION EQUIVALENT.

2) ONLY DETECTED CONSTITUENT ARE ILLUSTRATED.



-400 -200 0 -400

SCALE, IN FEET

LEGEND

- ND — Not Detected
- Boundary of Low Lying Area
- X • Sample location and Identifier
- Approximate locations of intermittent streams
- O — SAMPLE LOCATION
- TRICHLOROETHENE in ug/L (TCE)
- VINYL CHLORIDE in ug/L (VC)
- cis-1,2-DICHLOROETHENE in ug/L (cis-1,2-DCE)
- TOLUENE in ug/L (TOL)

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COLISEUM BOULEVARD PLUME INVESTIGATION

FIGURE 4 - SURFICIAL WATER SAMPLES COLLECTED FROM LOW LYING AREAS
October 2007 SAMPLING EVENT
SESI JOB # C-06-401

N

0 262.5 525 1,050 1,575 2,100 Feet

- PROBE HOLE LOCATION

(AERIAL PHOTOGRAPH SUPPLIED BY THE U.S. DEPARTMENT OF AGRICULTURE; MONTGOMERY COUNTY, ALABAMA MOSAIC-2006)

ALABAMA DEPARTMENT OF TRANSPORTATION LOW LYING AREAS MONTGOMERY, ALABAMA	SOUTHERN EARTH SCIENCES, inc. Geotechnical & Environmental Consultants www.soearth.com	PROBE HOLE LOCATIONS SOIL AND GROUNDWATER INVESTIGATION

TABLES

TABLE 1.

Sediment and Surface-Water Sample Locations in Low-Lying Area
Coliseum Boulevard Plume Investigation Site
Montgomery, Montgomery County, Alabama

Sample Location Identifier	Description
A	Seep
B	Low point of a multi-branching channel. Water flows in from a single channel and pools until it overflows into other channels.
C	Low point of an interconnecting channel between two intermittent streams.
D	Low point of branching channels.
E	Low point of a channel (ground water seep).
F	Same as B (The pooled water empties into a single channel).
G	Confluence of intermittent stream with Three Mile Branch.
H	Depositional area (sand bar).
I	Depositional area (sand bar).
J	Depositional area (mud flat).
K	Low point (water pools).
L	Depositional area (sand bar).
M	A low point in the grassy field.
N	Culvert (water outflow).
O	Low point at bottom of hill.
P	Culvert (water inflow).

Table 2a. Concentrations of detected volatile organic compounds (VOCs) [1] in samples of sediment from the "Low-Lying Areas"; April 2007 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in sediment/soil samples are shown on Figure 3.]

			Sediment Lab Results									
			Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Benzene	Cis-1,3-Dichloropropene	M,P,O-Xylenes	Methylene Chloride[2]	Toluene	Trichlorofluoromethane	Ethyl Benzene
Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	[Concentrations are in micrograms per kilogram (µg/kg)]									
			3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]
A	11/15/01	6	ND[4]	ND	ND	ND	ND	ND	4.3J[5]	ND	ND	ND
	2/13/02	12	ND	ND	ND	ND	ND	ND	ND	ND	6.3	ND
	5/22/02	-	NC[6]	NC	NC	NC	NC	NC	NC	NC	NC	NC
	1/29/04	8	ND	ND	ND	ND	ND	18.9J	ND	8.4J	ND	3.1J
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	28.1	ND	ND
	1/16/2007	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
B	11/15/01	5	ND	ND	ND	ND	ND	ND	3.6J	ND	ND	ND
	2/13/02	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B - dup[7]	2/13/02	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B	5/22/02	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	1/29/04	8	ND	ND	ND	ND	ND	7.3J	ND	4.0J	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	16.4J	ND	ND
	1/16/2007	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
C	11/15/01	8	ND	ND	ND	ND	ND	ND	5.7J	ND	ND	ND
	2/13/02	8	NR[8]	NR	NR	NR	NR	NR	NR	NR	NR	NR
	5/22/02	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	1/29/04	8	ND	ND	ND	ND	ND	ND	ND	20.6J	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	20.6J	ND	ND
	1/16/2007	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
C-dup	1/16/2007	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
D	11/15/01	8	ND	ND	ND	ND	ND	ND	ND	3.3J	ND	ND
D-dup	11/15/01	8	ND	ND	ND	ND	ND	ND	ND	12.4J	ND	ND
D	2/13/02	8	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND
	5/22/02	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	1/29/04	8	ND	ND	ND	ND	ND	5.5J	ND	3.2J	ND	ND
	1/31/05	10	ND	ND	ND	ND	ND	ND	ND	10.0J	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	12.7J	ND	ND
	1/16/2007	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
E	11/15/01	4	ND	ND	ND	ND	ND	ND	3.9J	25.5J	ND	ND
	2/13/02	7	ND	ND	ND	ND	ND	ND	ND	9.5	ND	ND
	5/22/02	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	1/29/04	8	ND	ND	ND	ND	ND	16.6J	ND	8.0J	ND	ND
	1/31/05	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	21.4J	ND	ND
E-dup	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	12.7J	ND	ND
E	1/16/2007	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F	11/15/01	6	ND	ND	ND	ND	ND	ND	10.6J	8.8J	ND	ND
	2/13/02	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	1/29/04	8	ND	ND	ND	ND	ND	6.0J	ND	3.5J	ND	ND
	1/31/05	10	ND	ND	ND	ND	ND	ND	ND	6.1J	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	12.8J	ND	ND
	1/16/2007	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Table continued on next page

Table 2a. Concentrations of detected volatile organic compounds (VOCs) [1] in samples of sediment from the "Low-Lying Areas"; April 2007 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in sediment/soil samples are shown on Figure 3.]

			Sediment Lab Results									
			Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Benzene	Cis-1,3-Dichloropropene	M,P,O-Xylenes	Methylene Chloride[2]	Toluene	Trichlorofluoromethane	Ethyl Benzene
			[Concentrations are in micrograms per kilogram (µg/kg)]									
Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]
G	11/15/01	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/13/02	7	ND	ND	ND	ND	ND	ND	ND	ND	14.4	ND
	5/22/02	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	1/29/04	8	ND	ND	ND	ND	ND	5.5J	ND	3.3J	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	6.5J	ND	ND
	1/15/2007	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
H	11/15/01	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/13/02	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	1/29/04	8	ND	ND	ND	ND	ND	7.1J	ND	4.1J	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	4.9J	ND	ND
	2/7/2007	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
I	11/16/01	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/14/02	5	12.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	5	6.8J	ND	ND	ND	ND	1.9J	4.2J	4.7J	ND	ND
	9/17/02	6	ND[9]	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03[10]	8	ND (<2.6)	ND (<2.6)	ND (<2.6)	ND (<2.6)	ND (<2.6)	ND (<2.6)	ND (<2.6)	ND (<2.6)	ND (<2.6)	ND (<2.6)
	7/21/03	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I-dup	7/21/03	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I	1/29/04	8	ND	ND	ND	ND	ND	5.2J	ND	4.1J	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	4.3J	ND	ND
	7/25/06	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/17/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	8/1/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
J	11/16/01	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/14/02	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	8	ND	ND	ND	ND	ND	ND	7.5J	4.1J	ND	ND
	9/17/02	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03[10]	8	ND (<2.4)	ND (<2.4)	ND (<2.4)	ND (<2.4)	ND (<2.4)	ND (<2.4)	ND (<2.4)	ND (<2.4)	ND (<2.4)	ND (<2.4)
	7/21/03	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	5.0J	ND	5.7J	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	4.9J	ND	ND
	7/25/06	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/17/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	8/1/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Table continued on next page

Table 2a. Concentrations of detected volatile organic compounds (VOCs) [1] in samples of sediment from the "Low-Lying Areas"; April 2007 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in sediment/soil samples are shown on Figure 3.]

			Sediment Lab Results									
			Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Benzene	Cis-1,3-Dichloropropene	M,P,O-Xylenes	Methylene Chloride[2]	Toluene	Trichlorofluoromethane	Ethyl Benzene
			[Concentrations are in micrograms per kilogram (µg/kg)]									
Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]
K	11/16/01	8	ND	ND	ND	ND	ND	ND	3.1J	ND	ND	ND
K-dup	11/16/01	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
K	2/14/02	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
K-dup	2/14/02	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
K	5/22/02	12	ND	ND	ND	ND	ND	ND	3.2J	6.0J	ND	ND
	9/17/02	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03[10]	10	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)
	7/21/03	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	5.2J	ND	3.4J	ND	ND
	1/31/05	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
K-dup	1/31/05	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
K	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	4.3J	ND	ND
	7/25/06	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/17/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	8/1/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
L	11/16/01	10	3.9J	ND	ND	ND	ND	ND	3.1J	ND	ND	ND
	2/14/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	10	ND	ND	ND	ND	ND	ND	4.8J	ND	ND	ND
L-dup	5/22/02	10	ND	ND	ND	ND	ND	ND	4.8J	ND	ND	ND
L	9/17/02	8	26.4J	6.3J	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03[10]	9	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)
	7/21/03	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	3.3J	ND	3.5J	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	6.1J	ND	ND
	7/25/06	8	ND	3.9J	ND	ND	ND	ND	ND	ND	ND	ND
	1/17/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	8/1/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
L-dup	1/17/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
M	11/16/01	10	ND	ND	ND	ND	ND	ND	4.8J	ND	ND	ND
	2/14/02	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	8	ND	ND	ND	ND	ND	ND	3.3J	3.0J	ND	ND
	9/17/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03[10]	9	ND (<1.3)	ND (<1.3)	ND (<1.3)	ND (<1.3)	ND (<1.3)	ND (<1.3)	ND (<1.3)	ND (<1.3)	ND (<1.3)	ND (<1.3)
	7/29/03[11]	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	6.7J	ND	4.2J	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	5.6J	ND	ND
	7/25/06	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/17/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	8/1/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Table continued on next page

Table 2a. Concentrations of detected volatile organic compounds (VOCs) [1] in samples of sediment from the "Low-Lying Areas"; April 2007 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in sediment/soil samples are shown on Figure 3.]

			Sediment Lab Results									
			Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Benzene	Cis-1,3-Dichloropropene	M,P,O-Xylenes	Methylene Chloride[2]	Toluene	Trichlorofluoromethane	Ethyl Benzene
			[Concentrations are in micrograms per kilogram (µg/kg)]									
Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]
N	11/15/01	3	50.6J[4]	ND[5]	ND	ND	ND	ND	6.6J	16.4J	ND	ND
	2/13/02	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	10	ND	ND	ND	ND	ND	ND	3.3J	ND	ND	ND
	9/17/02[6]	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-dup[7]	9/17/02[6]	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	10/31/02	12	ND	ND	ND	ND	ND	ND	ND	3.2J	ND	ND
	1/14/03[8]	8	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)
	7/21/03	2	3.6J	ND	3.0J	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	5.3J	ND	3.2J	ND	ND
	7/26/04	8	ND	ND	ND	ND	ND	7.0J	ND	5.1J	ND	ND
	10/20/04	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-dup	10/20/04	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	1/31/05	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	5/4/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-dup	5/4/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	7/21/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-dup	7/21/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	10/27/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	7.1J	ND	ND
	4/19/06	9	ND	ND	ND	ND	ND	ND	ND	11.8J	ND	ND
N-dup	4/19/06	9	ND	ND	ND	ND	ND	ND	ND	14.7J	ND	ND
N	7/25/06	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-dup	7/25/06	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	10/4/06	9	<5	<5	<5	<5	<5	<5	32 B [2]	<5	<5	<5
	2/7/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	4/13/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	8/1/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	10/25/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
O	11/15/01	3	ND	ND	ND	ND	ND	ND	3.1J	3.3J	ND	ND
	2/13/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	8	ND	ND	ND	ND	ND	ND	4.8J	4.0J	5.7J	ND
	9/17/02[6]	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	12	ND	ND	35.1	ND	ND	ND	ND	7.1J	ND	ND
	1/14/03[8]	11	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)
	7/21/03	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	750	18.8J	ND	ND	ND	31.2J	ND	15.9J	ND	5.2J
	3/9/04[9]	15	104	35.4J	6.3J	ND	ND	ND	ND	5.5J	ND	ND
	4/14/04[10]	8-12	ND	3.4J	3.9J	ND	ND	ND	ND	6.1J	ND	ND
	7/26/04	12	ND	3.9J	ND	ND	ND	31.4J	ND	12.1J	ND	6.8J
	10/20/04	10	54.4	5.6J	ND	ND	ND	ND	ND	4.5J	ND	ND
	1/31/05	10	ND	3.9J	ND	ND	ND	ND	ND	ND	ND	ND
	5/4/05	8	16.8J	370	5.9J	ND	ND	ND	3.1J	8.3J	ND	ND
	7/21/05	8	ND	4.1J	ND	ND	ND	ND	ND	4.0J	ND	ND
	10/27/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O-dup	10/27/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O	1/26/06	8	ND	50.6J	51.0J	5.6J	ND	ND	5.7J	37.5J	ND	ND
	4/19/06	10	ND	ND	ND	ND	ND	ND	ND	6.1J	ND	ND
	7/25/06	8	10.1J	174	ND	ND	ND	ND	ND	ND	ND	ND
	10/4/06	9	<5	<5	<5	<5	<5	<5	29 B [2]	<5	<5	<5
O-dup	10/4/06	8	<5	<5	<5	<5	<5	<5	26 B [2]	<5	<5	<5
O	2/7/07	9	<5	96	7	<5	<5	<5	<5	<5	<5	<5
	4/13/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	8/1/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	10/25/07	9	<5	<5	8	<5	<5	<5	<5	<5	<5	<5

Table continued on next page

Table 2a. Concentrations of detected volatile organic compounds (VOCs) [1] in samples of sediment from the "Low-Lying Areas"; April 2007 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in sediment/soil samples are shown on Figure 3.]

			Sediment Lab Results									
			Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Benzene	Cis-1,3-Dichloropropene	M,P,O-Xylenes	Methylene Chloride[2]	Toluene	Trichlorofluoromethane	Ethyl Benzene
			[Concentrations are in micrograms per kilogram (µg/kg)]									
Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]
P	11/15/01	2	ND	ND	ND	ND	ND	ND	ND	ND	7.1J	ND
	2/13/02	9	10.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	11	7.0J	ND	ND	ND	ND	ND	6.7J	ND	ND	ND
	9/17/02[6]	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03[8]	10	11.0	ND (<1.1)	ND (<1.1)	ND (<1.1)	ND (<1.1)	ND (<1.1)	ND (<1.1)	ND (<1.1)	ND (<1.1)	ND (<1.1)
	7/21/03	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	12.2J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/26/04	12	ND	ND	ND	ND	ND	5.5J	ND	3.9J	ND	ND
	10/20/04	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/31/05	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/4/05	8	ND	ND	ND	ND	ND	ND	ND	4.6J	ND	ND
	7/21/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/27/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/26/06	8	ND	ND	ND	ND	ND	ND	ND	3.9J	ND	ND
	4/19/06	10	ND	ND	ND	ND	ND	ND	ND	9.6J	ND	ND
	7/25/06	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/4/06	9	<5	<5	<5	<5	<5	<5	41 B [2]	<5	<5	<5
	2/7/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	4/13/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	8/1/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	10/25/07	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Notes:

[1] Samples were analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods , EPA, SW-846.
[2] Methylene Chloride is considered to have been present in the laboratory during analysis of the samples.
[3] MDL - Method Detection Limit of 3.0 micrograms per kilogram (µg/kg) for the soil laboratory analyses
[4] J - Concentration below calibration curve but above detection limit. In July 2005, the definition of a "J" flag was modified to flag samples with concentrations below the practical quantitation level, rather than the calibration curve values.
[5] ND - Not Detected
[6] Results on September 17, 2002, are reported on "wet-weight" basis.
[7] dup - Duplicate sample collected for quality assurance/quality control purposes.
[8] Sediment samples collected on 1/14/03 were analyzed by STL Laboratories because **TTL**'s laboratory equipment malfunctioned. STL's method detection limits varied for some samples and are indicated in parentheses ( ).
[9] In the sediment sample collected at location O on January 29, 2004, low mass and low percent solids present in the sample possibly resulted in an ambiguous level of TCE; therefore another sample was collected on March 9, 2004.
[10] On April 14, 2004, location O was sampled for verification and delineation of TCE detected in the sediment samples collected on January 29 and March 9, 2004.

Table 2b. Concentrations of detected volatile organic compounds (VOCs)[1] in samples of surface water from the "Low-Lying Areas"; October 2007 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 4.]

		Surface Water Lab Results					
		Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride[2]	Toluene
Sample Identifier	Sample Date	[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]
A	11/15/2001	ND[4]	ND	ND	ND	ND	ND
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC[5]	NC	NC	NC	NC	NC
	1/29/2004	ND	ND	ND	ND	ND	ND
	1/31/2005	ND	ND	ND	ND	ND	ND
	1/26/2006	ND	ND	ND	ND	ND	ND
	1/16/2007	<1	<1	<1	<1	<1	7
B	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	ND
B-dup[6]	2/13/2002	ND	ND	ND	ND	ND	ND
B	5/22/2002	NC	NC	NC	NC	NC	NC
	1/29/2004	ND	ND	ND	ND	ND	ND
	1/31/2005	ND	ND	ND	ND	ND	ND
	1/26/2006	ND	ND	ND	ND	ND	ND
	1/23/2007	<1	<1	<1	<1	<1	2
C	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	3
	1/29/2004	ND	ND	ND	ND	ND	ND
	1/31/2005	ND	ND	ND	ND	ND	ND
	1/26/2006	NS[9]	NS	NS	NS	NS	NS
	1/16/2007	<1	<1	<1	<1	<1	<1
C-dup	1/16/2007	<1	<1	<1	<1	<1	<1
D	11/15/2001	NC	NC	NC	NC	NC	NC
D-dup	11/15/2001	NC	NC	NC	NC	NC	NC
D	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
	1/29/2004	ND	ND	ND	ND	ND	ND
	1/31/2005	ND	ND	ND	ND	ND	ND
	1/26/2006	ND	ND	ND	ND	ND	ND
	1/16/2007	<1	<1	<1	<1	<1	5
E	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
	1/29/2004	ND	ND	ND	ND	ND	ND
	1/31/2005	ND	ND	ND	ND	ND	ND
	1/26/2006	NS	NS	NS	NS	NS	NS
	1/16/2007	<1	<1	<1	<1	<1	<1
F	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	1.1J[7]
	5/22/2002	NC	NC	NC	NC	NC	NC
	1/29/2004	ND	ND	ND	ND	ND	ND
	1/31/2005	ND	ND	ND	ND	ND	1.1J
	1/26/2006	ND	ND	ND	ND	ND	ND
	1/16/2007	<1	<1	<1	<1	<1	<1
G	11/15/2001	NC	NC	NC	NC	NC	NC
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
	1/29/2004	ND	ND	ND	ND	ND	ND
	1/31/2005	ND	ND	ND	ND	ND	ND
	1/26/2006	ND	ND	ND	ND	ND	ND
	1/15/2007	<1	<1	<1	<1	<1	<1
H	11/15/2001	ND	ND	ND	ND	ND	ND
	2/13/2002	ND	ND	ND	ND	ND	ND
	5/22/2002	NC	NC	NC	NC	NC	NC
	1/29/2004	1.1J	ND	ND	ND	ND	ND
	1/31/2005	1.0J	ND	ND	ND	ND	ND
	1/26/2006	ND	ND	ND	ND	ND	ND
	1/15/2007	<1	<1	<1	<1	<1	<1

Table Continued on next page

Table 2b. Concentrations of detected volatile organic compounds (VOCs)[1] in samples of surface water from the "Low-Lying Areas"; October 2007 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 4.]

		Surface Water Lab Results					
		Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride[2]	Toluene
Sample Identifier	Sample Date	[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]
I	11/16/01	4.6J[4]	ND[5]	ND	ND	ND	ND
	02/14/02	5.0J	ND	ND	ND	ND	ND
	05/22/02	2.3J	ND	ND	ND	ND	ND
	09/17/02	ND	ND	ND	ND	ND	ND
	10/31/02	4.2J	ND	ND	ND	ND	ND
	01/14/03	4.3J	ND	ND	ND	ND	ND
	07/21/03	7.5J	ND	ND	ND	ND	ND
I-dup[6]	07/21/03	7.5J	ND	ND	ND	ND	ND
I	01/29/04	2.4J	ND	ND	ND	ND	ND
	01/31/05	2.6J	ND	ND	ND	ND	ND
	01/26/06	3.1J	ND	ND	ND	ND	ND
	07/25/06	2.1J	ND	ND	ND	ND	ND
	01/17/07	2	<1	<1	<1	<1	<1
	08/01/07	<1	<1	<1	<1	<1	<1
J	11/16/01	2.8J	ND	ND	ND	ND	ND
	02/14/02	3.9J	ND	ND	ND	ND	ND
	05/22/02	1.9J	ND	ND	ND	ND	ND
	09/17/02	ND	ND	ND	ND	ND	ND
	10/31/02	3.9J	ND	ND	ND	ND	ND
	01/14/03	2.9J	ND	ND	ND	ND	ND
	07/21/03	8.3J	ND	ND	ND	ND	ND
	01/29/04	ND	ND	ND	1.2J	ND	ND
	01/31/05	1.6J	ND	ND	ND	ND	ND
	01/26/06	ND	ND	ND	ND	ND	ND
	07/25/06	NS[7]	NS	NS	NS	NS	NS
	01/17/07	<1	<1	<1	<1	<1	<1
	08/01/07	<1	<1	<1	<1	<1	<1
K	11/16/01	4.9J	ND	ND	ND	ND	ND
K-dup	11/16/01	4.9J	ND	ND	ND	ND	ND
K	02/14/02	16.4J	ND	ND	ND	ND	ND
K-dup	02/14/03	16.2J	ND	ND	ND	ND	ND
K	05/22/02	5.5J	ND	ND	ND	ND	ND
	09/17/02	2.2J	ND	ND	ND	ND	1.4J
	10/31/02	5.5J	ND	ND	ND	ND	ND
	01/14/03	13.9J	ND	ND	ND	ND	ND
	07/21/03	20.3	ND	ND	ND	ND	ND
	01/29/04	10.7J	ND	ND	1.0J	ND	ND
	01/31/05	7.9J	ND	ND	ND	ND	ND
K-dup	01/31/05	8.1J	ND	ND	ND	ND	ND
K	01/26/06	6.6J	ND	ND	ND	ND	ND
	07/25/06	3.9J	ND	ND	ND	ND	ND
	01/17/07	8	<1	<1	<1	<1	<1
	08/01/07	4.2	<1	<1	<1	<1	<1
L	11/16/01	2.9J	ND	ND	ND	ND	ND
	02/14/02	7.9J	ND	ND	ND	ND	ND
	05/22/02	2.7J	ND	ND	ND	ND	ND
L-dup	05/22/02	2.6J	ND	ND	ND	ND	ND
L	09/17/02	1.4J	ND	ND	ND	ND	ND
	10/31/02	3.4J	ND	ND	ND	ND	ND
	01/14/03	6.0J	ND	ND	ND	ND	ND
	07/21/03	4.3J	ND	ND	ND	ND	ND
	01/29/04	4.6J	ND	ND	ND	ND	ND
	01/31/05	4.2J	ND	ND	ND	ND	ND
	01/26/06	3.3J	ND	ND	ND	ND	ND
	07/25/06	1.9J	ND	ND	ND	ND	ND
	01/17/07	<1	<1	<1	<1	<1	<1
L-dup	01/17/07	<1	<1	<1	<1	<1	<1
L	08/01/07	1.4	<1	<1	<1	<1	<1

Table continued on next page

Table 2b. Concentrations of detected volatile organic compounds (VOCs)[1] in samples of surface water from the "Low-Lying Areas"; October 2007 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 4.]

		Surface Water Lab Results					
		Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride[2]	Toluene
Sample Identifier	Sample Date	[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]
M	11/16/01	ND	ND	ND	ND	ND	ND
	02/14/02	ND	ND	ND	ND	ND	ND
	05/22/02	NC[8]	NC	NC	NC	NC	NC
	09/17/02	NC	NC	NC	NC	NC	NC
	10/31/02	NC	NC	NC	NC	NC	NC
	01/14/03	ND	ND	ND	ND	ND	ND
	7/29/03[9]	ND	ND	ND	ND	ND	5.0J
	01/29/04	ND	ND	ND	ND	ND	ND
	01/31/05	ND	ND	ND	ND	ND	ND
	01/26/06	ND	ND	ND	ND	ND	ND
	07/25/06	ND	ND	ND	ND	ND	ND
	01/17/07	<1	<1	<1	<1	<1	<1
	08/01/07	<1	<1	<1	<1	<1	<1
N	11/15/01	7.0J	ND	ND	ND	ND	ND
	02/13/02	16.8J	ND	ND	ND	ND	ND
	05/22/02	7.6J	ND	ND	ND	ND	ND
	09/17/02	3.7J	ND	ND	ND	ND	ND
N-dup	09/17/02	3.7J	ND	ND	ND	ND	ND
N	10/31/02	10.0J	ND	ND	ND	ND	ND
	01/14/03	15.2J	ND	ND	ND	ND	ND
	07/21/03	28.0	ND	ND	ND	ND	ND
	01/29/04	15.2J	ND	ND	3.2J	ND	ND
	07/26/04	11.9J	ND	ND	ND	ND	ND
	10/20/04	10.7J	ND	ND	ND	ND	ND
N-dup	10/20/04	10.4J	ND	ND	ND	ND	ND
N	01/31/05	11.2J	ND	ND	ND	ND	ND
	05/04/05	16.7J	ND	ND	ND	ND	ND
N-dup	05/04/05	16.5J	ND	ND	ND	ND	ND
N	07/21/05	18.1J	ND	ND	ND	ND	ND
N-dup	07/21/05	18.1J	ND	ND	ND	ND	ND
N	10/27/05	7.1J	ND	ND	ND	ND	ND
	01/26/06	10.4J	ND	ND	ND	ND	ND
	04/19/06	14.9J	ND	ND	ND	ND	ND
N-dup	04/19/06	14.8J	ND	ND	ND	ND	ND
N	07/25/06	6.9J	ND	ND	ND	ND	ND
N-dup	07/25/06	6.6J	ND	ND	ND	ND	ND
N	10/04/06	3	<1	<1	<1	<1	<1
	01/15/07	14	<1	<1	<1	<1	<1
	04/13/07	16	<1	<1	<1	<1	<1
	08/01/07	15	<1	<1	<1	<1	<1
	10/25/07	<1	<1	<1	<1	<1	<1
O	11/15/01	NC	NC	NC	NC	NC	NC
	02/13/02	ND	ND	ND	ND	ND	ND
	05/22/02	NC	NC	NC	NC	NC	NC
	09/17/02	ND	ND	ND	1.0J	ND	ND
	10/31/02	2.5J	15.3J	4.8J	ND	ND	ND
	01/14/03	4.8J	14.4J	ND	ND	ND	ND
	07/21/03	NS	NS	NS	NS	NS	NS
	01/29/04	31.8	6.9J	ND	4.5J	ND	ND
	07/26/04	ND	5.4J	1.3J	ND	ND	ND
	10/20/04	ND	10.2J	1.7J	ND	ND	ND
	01/31/05	14.6J	18.2J	1.0J	ND	ND	ND
	05/04/05	3.1J	14.7J	1.0J	ND	ND	ND
	07/21/05	ND	1.9J	ND	ND	ND	1.6J
	10/27/05	ND	3.3J	ND	ND	ND	ND
O-dup	10/27/05	ND	2.8J	ND	ND	ND	ND
O	01/26/06	17.3J	16.3J	1.8J	ND	ND	ND
	04/19/06	NS	NS	NS	NS	NS	NS
	07/25/06	ND	5.9J	ND	ND	ND	ND
	10/04/06	<1	15.0	2	<1	<1	<1
O-dup	10/04/06	<1	12.0	3	<1	<1	<1
O	01/15/07	<1	28	7	<1	<1	<1
	04/13/07	4	24	<1	<1	<1	<1
	08/01/07	<1	13.8	2.4	<1	<1	<1
	10/25/07	<1	2.4	<1	<1	<1	<1

Table continued on next page

Table 2b. Concentrations of detected volatile organic compounds (VOCs)[1] in samples of surface water from the "Low-Lying Areas"; October 2007 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 4.]

		Surface Water Lab Results					
		Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride[2]	Toluene
Sample Identifier	Sample Date	[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]	1.0 µg/l [3]
P	11/15/01	16.8J	ND	ND	ND	ND	ND
	02/13/02	41.2	ND	ND	ND	ND	ND
	05/22/02	22.4	ND	ND	ND	ND	ND
	09/17/02	10.5J	ND	ND	ND	ND	ND
	10/31/02	25.1	ND	ND	ND	ND	ND
	01/14/03	43.2	ND	ND	ND	ND	ND
	07/21/03	42.2	ND	ND	ND	ND	ND
	01/29/04	25.0	ND	ND	2.3J	ND	ND
	07/26/04	23.4	ND	ND	ND	ND	ND
	10/20/04	22.5	ND	ND	ND	ND	ND
	01/31/05	27.5	ND	ND	ND	ND	ND
	05/04/05	20.9	ND	ND	ND	ND	ND
	07/21/05	21.1	ND	ND	ND	ND	ND
	10/27/05	9.8J	ND	ND	ND	ND	ND
	01/26/06	20.2	ND	ND	ND	ND	ND
	04/19/06	14.3J	ND	ND	ND	ND	ND
	07/25/06	12.6J	ND	ND	ND	ND	ND
	10/04/06	6	<1	<1	<1	<1	<1
	01/15/07	31	<1	<1	<1	<1	<1
	04/13/07	<1	<1	<1	<1	<1	<1
	08/01/07	25	<1	<1	<1	<1	<1
	10/25/07	12	<1	<1	<1	<1	<1

Notes:

[1] Samples were analyzed by **TTL, Inc**. in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

[2] Methylene Chloride is considered to have been present in the laboratory during analysis of the samples.

[3] MDL - Method Detection Limit of 1.0 microgram per liter (µg/l) for the aqueous laboratory analyses

[4] J - Concentration below calibration curve but above detection limit. In July 2005, the definition of a "J" flag was modified to flag samples with concentrations below the practical quantitation level, rather than the calibration curve values.

[5] ND - Not Detected

[6] dup - Duplicate sample collected for quality assurance/quality control purposes.

[7] NS - Not sampled; sample location was not sampled because of insufficient water for analyses

[8] NC - Not Collected; sampling location was not scheduled to be sampled.

[9] Sample location M was not located on 7/21/03, but was located and sampled on 7/29/03.

Table 3a
Preliminary Screening Level Evaluation for Surface Water in Kilby Ditch and the Low-lying Areas: Human Receptors
Coliseum Boulevard Plume Site

Chemical of Potential Concern	Surface Water PSV[1] for Trespasser Exposure		ADEM Water Quality Criterion[2]		Kilby Ditch				Low-Lying Areas			
					Frequency of Detection	Range of Detected Concentrations[3]	Location and Date of Maximum Concentration [4]		Frequency of Detection	Range of Detected Concentrations[3]	Location and Date of Maximum Concentration [4]	
	(ug/L)	basis	(ug/L)	basis		(ug/L)				(ug/L)		
Chloroform	2,851	nc	1,020	ca	4 / 45	1.2 J - 4.9 J	MP-1	Oct 05	0 / 60	< 1	--	--
1,1-Dichloroethene	9,178	nc	20,833	nc	2 / 45	1.6 J - 1.7 J	MP-1	Jan 05	0 / 60	< 1	--	--
cis-1,2-Dichloroethene	1,947	nc	2,881	nc	15 / 45	1 J - 8.3 J	MP-1	Jan 05	11 / 60	1.9 J - 18.2 J	O	Jan 05
Toluene	14,449	nc	43,614	nc	5 / 45	1.6 J - 62	MP-1	Oct 06	3 / 60	1.1 J - 1.6 J	O	Jul 05
Trichloroethene	853	ca	175	ca	40 / 45	1.9 J - 78.7	MP-1	Jan 05	38 / 60	1.0 J - 27.5	P	Jan 05
Vinyl chloride	41	ca	1,146	ca	3 / 45	< 1	--		7 / 60	1.0 J 2.5	O	Oct 06

Notes

µg/L = micrograms per liter

(1) Derived preliminary screening value for a target noncancer (nc) hazard quotient = 0.1 or a target cancer (ca) risk = 1×10^{-6} (See Attachment A, Table A-3)

(2) From ADEM Admin. Code R.335-6-10-.07 Toxic Pollutant Criteria Applicable to State Waters; for fish consumption only (See Attachment A, Table A-5)

(3) For January 2005 - October 2006. Data for Kilby Ditch are for MP-1, MP-2, CP-1, CP-2, and CP-3

(4) The locations are shown on Figure 2.

J = estimated concentration

Table 3b
Preliminary Screening Level Evaluation for Surface Water in Kilby Ditch and the Low-lying Areas: Ecological Receptors
Coliseum Boulevard Plume Site

Chemical of Potential Concern	USEPA Region 4 ESL (1) (ug/L)	USEPA Region 5 ESL (2) (ug/L)	Kilby Ditch				Low-Lying Areas			
			Frequency of Detection	Range of Detected Concentrations(3) (ug/L)	Location and Date of Maximum Concentration (4)		Frequency of Detection	Range of Detected Concentrations(3) (ug/L)	Location and Date of Maximum Concentration (4)	
Chloroform	289 *	--	1 / 28	1.4 J	CP-2	1/27/06	0 / 60	< 1	--	--
1,1-Dichloroethene	303 *	--	0 / 28	< 1	--		0 / 60	< 1	--	--
cis-1,2-Dichloroethene	1,350 *^	NA	6 / 28	1.0 J - 1.3 J	CP-1	7/25/06	11 / 60	1.9 J - 18.2 J	O	Jan 05
Toluene	175 *	--	1 / 28	< 1	--		3/ 60	1.1 J - 1.6 J	O	Jul 05
Trichloroethene	NA	47	25 / 28	1.9 J - 28.9	CP-1	1/26/05	38 / 60	1.0 J - 27.5	P	Jan 05
Vinyl chloride	NA	930	3 / 28	< 1	--		7 / 60	1.0 J 2.5	O	Oct 06

Notes

µg/L = micrograms per liter

(1) USEPA Region 4 Ecological Screening Levels (ESLs) accessed at www.epa.gov/region04/waste/ots/ecolbul.htm

(2) USEPA Region 5 ESLs accessed at www.epa.gov/RCRIS-Region-5/ca/edql.htm

(3) For January 2005 - October 2006. Data for Kilby Ditch are from CP-1, CP-2, and CP-3 only.

(4) The locations are shown on Figure 2.

NA = Not Available

J = estimated concentration

* Screening level is equivalent to acute toxicity level with an uncertainty factor of 10 applied.

^ Since no ESLs are available for cis-1,2-dichloroethene, the ESL for trans-1,2-dichloroethene is used to approximate the potential for ecological risk.

Table 3c
Preliminary Screening Level Evaluation for Sediment in Low-lying Areas: Human and Ecological Receptors
Coliseum Boulevard Plume Site

Chemical of Potential Concern	Sediment PSV[1] for Trespasser Exposure (ug/kg)	basis	USEPA Region 5 Sediment ESL[2] (µg/kg)	Low-lying Areas: Frequency of Detection	Range of Detected Concentrations[3] (ug/kg)	Location and Date of Maximum Concentration [4]	
Benzene	208,451	ca	142	1 / 63	5.6 J	O	Jan 06
cis-1,2-Dichloroethene	1,637,832	nc	654 ^	7 / 63	3.9 J - 370	O	May 05
trans-1,2-Dichloroethene	3,275,664	nc	654	3 / 63	6.2 J - 7.8 J	O	May 05
Methylene chloride	1,528,643	ca	159	2 / 63	3.1 J - 41 B	P	Oct 06
Toluene	28,052,946	nc	1,220	5 / 63	3.9 J - 37.5 J	O	Jan 06
Trichloroethene	755,272	ca	112	2 / 63	10.1 J - 16.8 J	O	May 05
Vinyl chloride	15,923	ca	202	4 / 63	5.9 J - 51 J	O	Jan 06

Notes

µg/kg = micrograms per kilogram

(1) Derived preliminary screening value for a target noncancer (nc) hazard quotient = 0.1 or a target cancer (ca) risk = 1×10^{-6} (See Attachment A, Table A-7)

(2) USEPA Region 5 ESLs accessed at www.epa.gov/RCRIS-Region-5/ca/edql.htm

(3) For January 2005 to October 2006

(4) The locations are shown on Figure 2.

J = estimated concentration

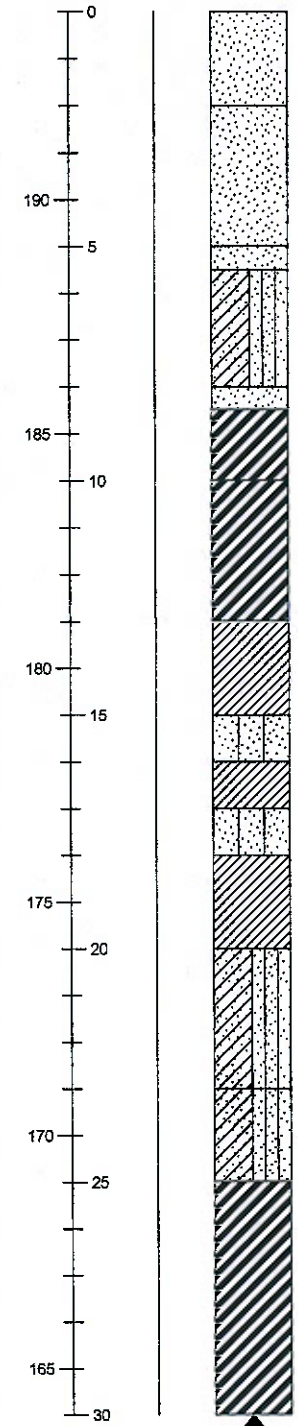
^ Since no ESL is available for cis-1,2-dichloroethene, the ESL for trans-1,2-dichloroethene is used to approximate the potential for ecological risk.

SOIL BORING LOG

BORING NO.: PH-157

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 194 ft
DATE DRILLED: 10/01/07
DATE COMPLETED: 10/01/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth — Soil Symbols Sampler Symbols and Field Test Data — TOC = 194.00



USCS	Description	200 %
SP	SAND with Organics 10YR 6/8	
SP	Orange and Yellow SAND 10YR 7/6	
SP	SAND 10YR 7/6	
SC-SM	Silty Clayey SAND 10YR 1/8	35
SP	SAND 10YR 8/1	
CH	Mottled CLAY 7.5YR 4/6	
CH	Gray CLAY 5YR 8/1	98
CL	Hard Compacted Sandy Silty CLAY 5YR 6/6	67
SM	Gray Silty SAND 2.5YR 8/8	
CL	Orange and Yellow Mica Rich CLAY 2.5YR 2/4	
SM	Mica Rich Silty SAND 2.5YR 1/8	23
CL	CLAY 2.5YR 6/4	80
SC-SM	Mica Rich Orange and Yellow Silty Clayey SAND 2.5YR 5/4	30
SC-SM	Mica Rich Gray and Orange Clayey Silty SAND 2.5YR 7/2	25
CH	Mottled CLAY GLEY2 10B 6/7	90
		88

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

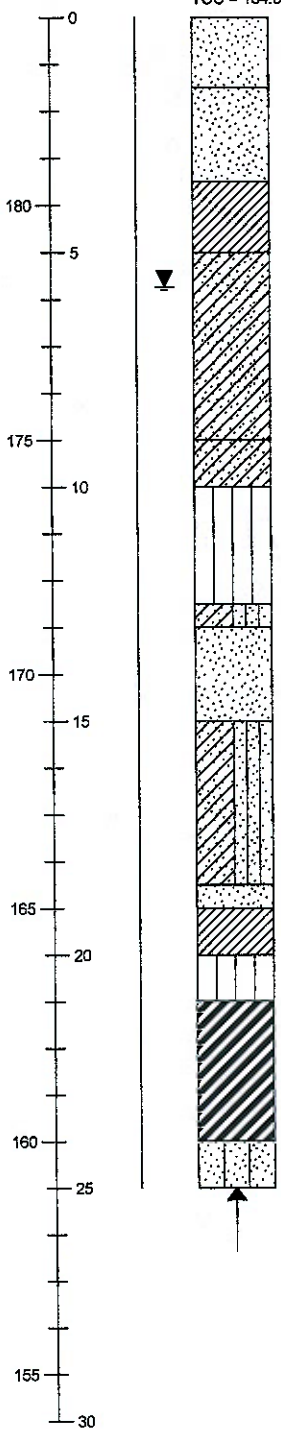
SOIL BORING LOG

BORING NO.: PH-158

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 184 ft
DATE DRILLED: 10/01/07
DATE COMPLETED: 10/01/07
WATER LEVEL: 5.8 ft
WATER LEVEL DATE: 11/03/07
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth | Soil Symbols Sampler Symbols and Field Test Data | USCS | Description | 200 %

TOC = 184.00



USCS	Description	200 %
SP	Brown Organic Rich SAND 10YR 4/3	
SP	Brown to Orange Silty SAND with Gravel bed 10YR 6/6	
CL	Mica Rich Mottled CLAY 10YR 8/2	50
SC	Mica Rich Gray and Orange Mottled Clayey SAND 10YR 8/1	40
SC	Mica Rich Gray and Orange Clayey SAND 10YR 5/8	36
ML	Orange and Gray SILT 10YR 8/1	22
SC-SM	Saturated Clayey Silty SAND 10YR 6/2	
SP	Medium Grain SAND 10YR 5/8	
SC-SM	Saturated Orange Clayey Silty SAND 10YR 6/8	21
SP	Saturated Gray SAND 10YR 8/1	
CL	Hard CLAY 10YR 8/6	51
ML	Orange and Gray SILT 10YR 6/6	77
CH	Orange CLAY 10YR 8/1	
SM	Saturated Mica Rich Gray Silty SAND 10YR 8/1	21

Remarks:

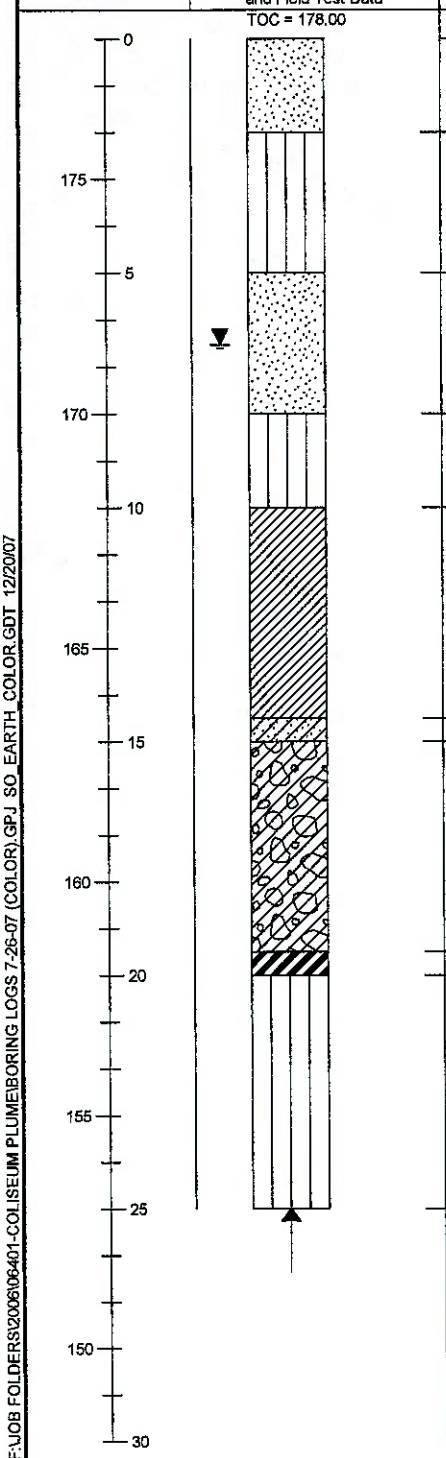
SOUTHERN EARTH SCIENCES, Inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-159

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 178 ft
DATE DRILLED: 10/01/07
DATE COMPLETED: 10/01/07
WATER LEVEL: 6.6 ft
WATER LEVEL DATE: 11/04/07
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



USCS	Description	200 %
SP	SAND and Gravel 7.5 YR 7/2	
ML	Dark Brown Organic Rich Clayey SILT with Sand Gravel bed 7.5 YR 4/2	97
SP	SAND and Gravel 7.5YR 9/2	
ML	Dark Black Clayey SILT 7.5YR 8/3	73
CL	Black Silty CLAY 7.5YR 8/3	85
SC	Clayey SAND with Gravel GLEY1 5/10Y	40
GC	Saturated Gray Clayey GRAVEL GLEY1 6/10Y	30
CH	Gray Silty CLAY GLEY1 6/10Y	96
ML	Clayey SILT GLEY1 6/10Y	97

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

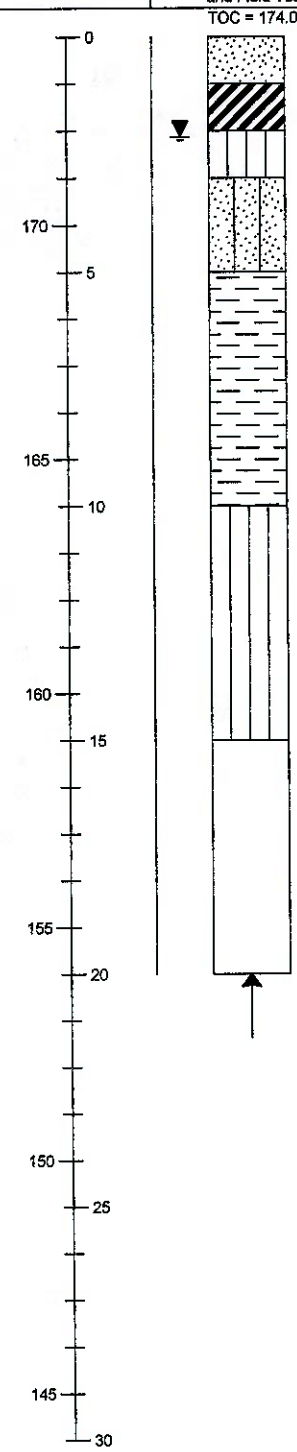
SOIL BORING LOG

BORING NO.: PH-160

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 174 ft
DATE DRILLED: 10/02/07
DATE COMPLETED: 10/02/07
WATER LEVEL: 2.2 ft
WATER LEVEL DATE: 11/04/07
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth | Soil Symbols Sampler Symbols and Field Test Data | USCS | Description | 200 %

TOC = 174.00



USCS	Description	200 %
SP	SAND 5YR 7/4	
CH	Brown CLAY 5YR 7/4	
ML	Clayey SILT	89
SM	Silty SAND with Trace of Clay	22
OL	Saturated ORGANIC Silt 7YR 8/3	
ML	Clayey SILT GLEY1 6/10Y	76
	NO RECOVERY	

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

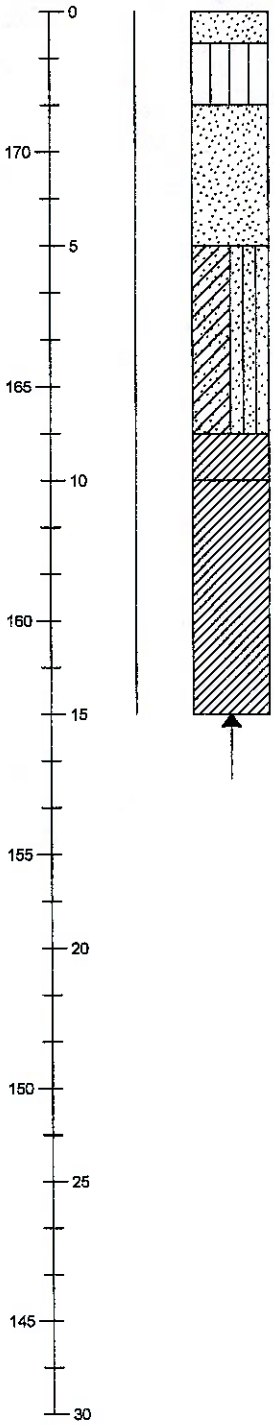
SOIL BORING LOG

BORING NO.: PH-161

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 173 ft
DATE DRILLED: 10/02/07
DATE COMPLETED: 10/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth | Soil Symbols Sampler Symbols and Field Test Data | USCS | Description | 200 %

TOC = 173.00



USCS	Description	200 %
SP	SAND with some Gravel and Organics 5YR 5/3	
ML	Hard Compacted SILTY Clay 5YR 4/1	
SP	Light Gray SAND GLEY1 8/N	
SC-SM	Silty Clayey SAND with some Silt 10YR 3/2	57
CL	Sandy CLAY 10YR 3/2	71
CL	Gray and Orange Mottled Sandy Silty CLAY GLEY1 7/N	66

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

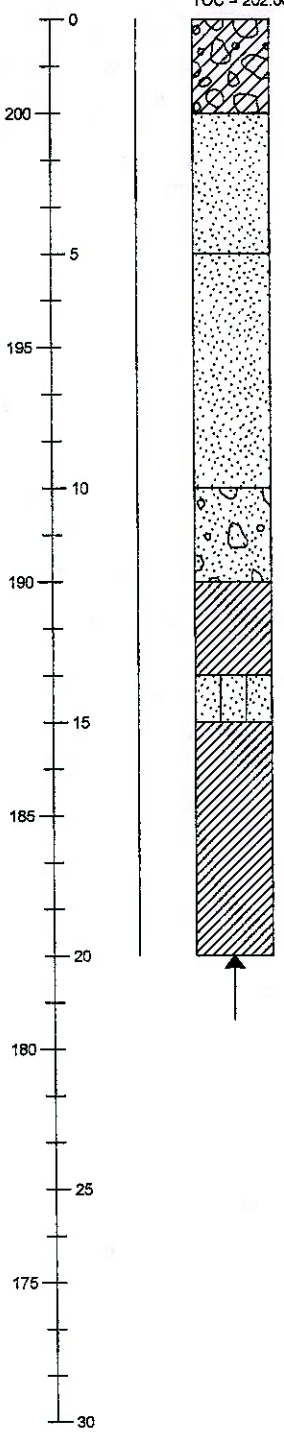
SOIL BORING LOG

BORING NO.: PH-162

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 202 ft
DATE DRILLED: 10/02/07
DATE COMPLETED: 10/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth | Soil Symbols Sampler Symbols and Field Test Data | USCS | Description | 200 %

TOC = 202.00



USCS	Description	200 %
GC	Red and Orange Clayey GRAVEL 2.5YR 6/6	44
SP	Red and Orange SAND with Gravel 2.5YR 5/6	
SP	Yellow and Orange Medium Grained SAND 2.5YR 7/6	
SPG	Gravely SAND 2.5YR 8/1	12
CL	CLAY with Gravel 10YR 8/1	
SM	Orange and Red Medium Grained Silty SAND with some Gravel 2.5YR 4/6	18
CL	CLAY 10YR 6/8	

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

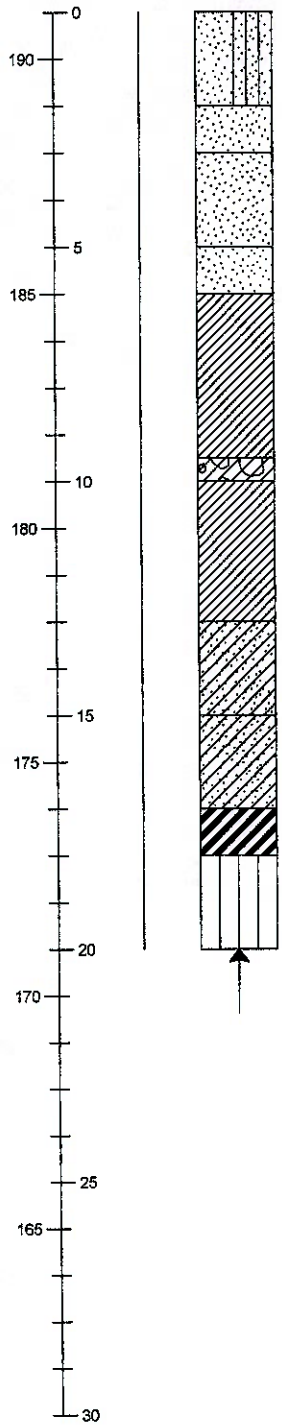
SOIL BORING LOG

BORING NO.: PH-163

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 191 ft
DATE DRILLED: 10/02/07
DATE COMPLETED: 10/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth | Soil Symbols Sampler Symbols and Field Test Data | USCS | Description | 200 %

TOC = 191.00



USCS	Description	200 %
SP-SM	Red and Orange SAND with some Silt 10YR 6/6	
SP	Red and Orange SAND with Gravel 10YR 5/6	
SP	Yellow and Orange Fine Grained SAND 10YR 7/6	
SP	Red SAND 10YR 5/6	
CL	Orange CLAY with Gravel 10YR 5/8	
GC	Saturated Clayey GRAVEL 10YR 5/8	43
CL	Orange and Gray Sandy CLAY with Mica 10YR 8/1	65
SC	Orange and Gray Mottled Clayey SAND 10YR 8/1	37
SC	Gray Clayey SAND 7.5YR 8/1	38
CH	Orange and Gray Mica Rich CLAY 10YR 7/2	
ML	Hard Orange and Gray Clayey SILT 10YR 5/8 - Mottled	86

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

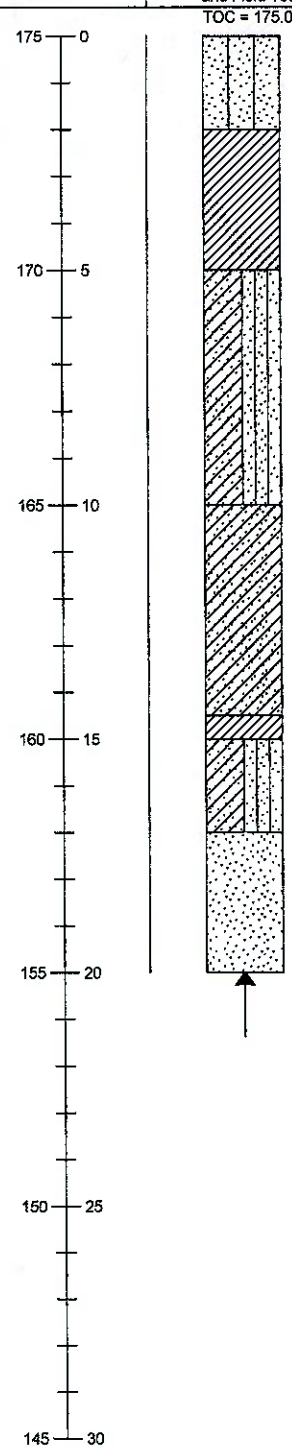
SOIL BORING LOG

BORING NO.: PH-164

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 175 ft
DATE DRILLED: 10/02/07
DATE COMPLETED: 10/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth | Soil Symbols Sampler Symbols and Field Test Data | USCS | Description | 200 %

TOC = 175.00



USCS	Description	200 %
SM	Brown Organic Rich Silty SAND 7.5YR 5/2	
CL	Gray and Orange Sandy Silty CLAY 7.5YR 7/6	77
SC-SM	Gray and Orange Silty Clayey SAND 7.5YR 6/2	52
SC	Gray Sandy CLAY GLEY1 7/10Y	57
CL	Gray Sandy Silty CLAY GLEY1 7/10Y	77
SC-SM	Gray Silty Clayey SAND GLEY1 7/10Y	47
SP	Saturated Medium Grained SAND GLEY1 8/N	

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-165

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 172 ft
DATE DRILLED: 10/02/07
DATE COMPLETED: 10/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth	Soil Symbols Sampler Symbols and Field Test Data	USCS	Description	200 %
	TOC = 172.00			
0		SM	Brown Organic Rich Silty SAND 7.5YR 5/2	
170		SC-SM	Gray and Orange Clayey Silty SAND 7.5YR 7/6	64
5				70
		SC-SM	Gray and Orange Silty Clayey SAND 7.5YR 6/2	
165				62
10		SC-SM	Silty Clayey SAND GLEY 1 7/10Y	
160				55
15				
155				
20				
150				
25				
145				
30				

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

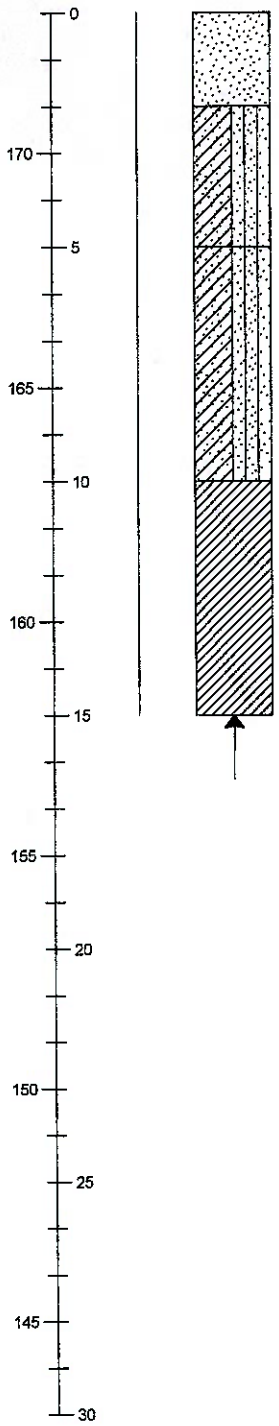
SOIL BORING LOG

BORING NO.: PH-166

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 173 ft
DATE DRILLED: 10/02/07
DATE COMPLETED: 10/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth | Soil Symbols Sampler Symbols and Field Test Data | USCS | Description | 200 %

TOC = 173.00



USCS	Description	200 %
SP	Brown Organic Rich SAND 7.5YR 5/2	
SC-SM	Orange and Gray Clayey Silty SAND 7.5YR 7/6	56
SC-SM	Gray and Orange Silty Clayey SAND 7.5YR 6/2	59
CL	Gray and Orange CLAY GLEY1 7/N	

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

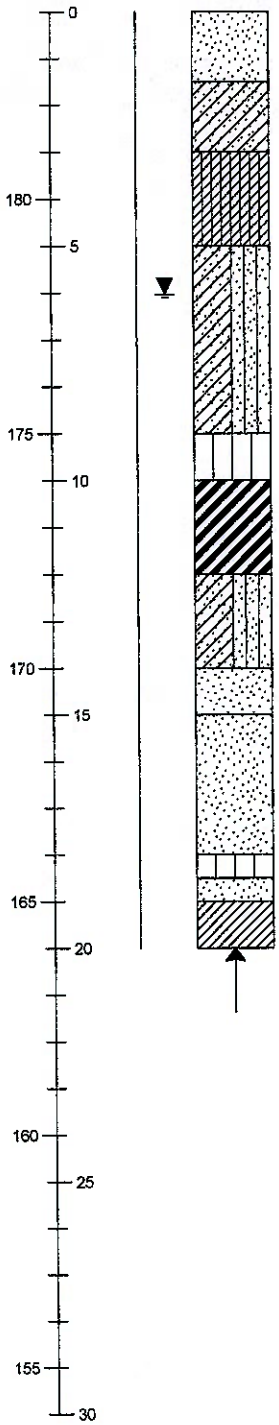
SOIL BORING LOG

BORING NO.: PH-167

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 184 ft
DATE DRILLED: 10/03/07
DATE COMPLETED: 10/03/07
WATER LEVEL: 6.1 ft
WATER LEVEL DATE: 11/03/07
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth | Soil Symbols Sampler Symbols and Field Test Data | USCS | Description | 200 %

TOC = 184.00



USCS	Description	200 %
SW	Brown Organic SAND with some Gravel 10YR 5/2	
SC	Orange Clayey SAND with Clay Lenses 2.5YR 5/8	26
CL-ML	Orange and Gray Sandy Clayey SILT 10YR 7/8	74
SC-SM	Orange and Gray Mica Rich Clayey SiltySAND 10YR 7/6	47
ML	Orange and Gray Clayey Sandy SILT 10YR 5/6	73
CH	Brown and Yellow CLAY with some Silt 10YR 6/4	
SC-SM	Gray Mica Rich Clayey SAND GLEY1 6/10Y	41
SP	Orange and Red Silty SAND 7.5YR 4/6	
SP	Medium Grained SAND 7.5YR 7/6	
ML	Gray SILT with Clay Lense 10YR 7/1	
SP	Yellow and Orange SAND 10YR 7/4	
CL	Gray and Orange Mottled Sandy Silty CLAY 10YR 7/6	77

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

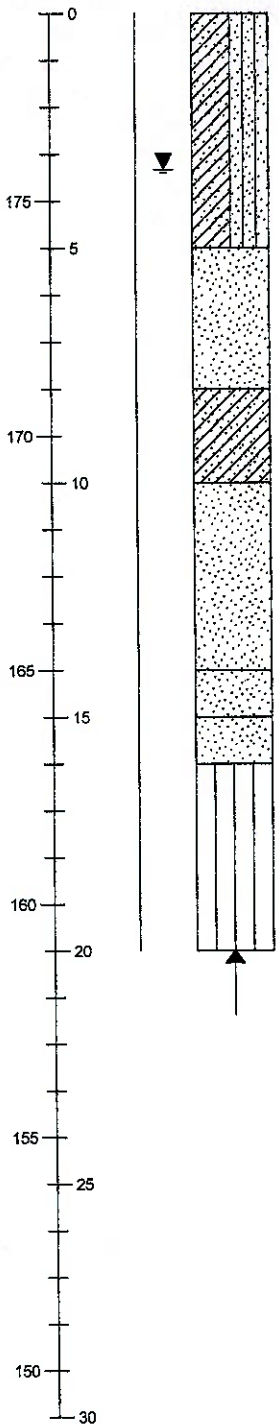
SOIL BORING LOG

BORING NO.: PH-168

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 179 ft
DATE DRILLED: 10/03/07
DATE COMPLETED: 10/03/07
WATER LEVEL: 3.4 ft
WATER LEVEL DATE: 11/03/07
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth | Soil Symbols Sampler Symbols and Field Test Data | USCS | Description | 200 %

TOC = 179.00



USCS	Description	200 %
SC-SM	Orange, Yellow and Gray Clayey Silty SAND 10YR 7/8	53
SP	Gray and Orange SAND GLEY1 8/10Y	
SC	Orange and Yellow Clayey SAND 10YR 6/8	23
SP	Orange and Gray SAND GLEY1 8/N	
SP	Tan Medium Grained SAND 10YR 8/2	
SP	Saturated Medium Grained Gray and Tan SAND 10YR 8/2	
ML	Orange and Red Sandy CLayey SILT 2.5YR 5/6	82

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

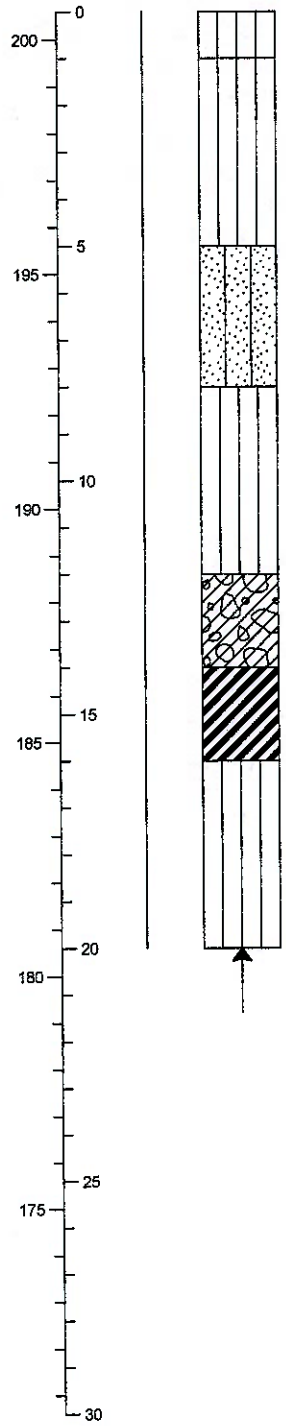
SOIL BORING LOG

BORING NO.: PH-169

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 200.6 ft
DATE DRILLED: 11/01/07
DATE COMPLETED: 11/01/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth | Soil Symbols Sampler Symbols and Field Test Data | USCS | Description | 200 %

TOC = 200.60



USCS	Description	200 %
ML	Organic Red Brown Sandy SILT 2.5YR 5/6	
ML	Orange Yellow & Gray Mottled Sandy SILT 10YR 7/8	
SM	Gray Orange Mottled Silty SAND 10YR 7/1	
ML	Hard Gray Orange & Red SILT 5YR 7/1	76
GC	Saturated Clayey GRAVEL 10YR 7/4	6
CH	Soft CLAY 2.5YR 6/6	
ML	Hard Mottled Gray and Red SILT 2.5YR 8/1 to 4/6	95

Remarks:

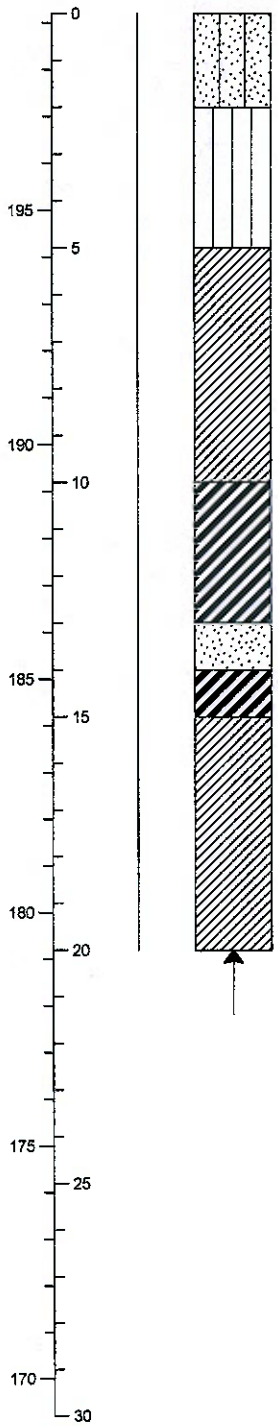
SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-170

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 199.2 ft
DATE DRILLED: 11/01/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



USCS	Description	200 %
SM	Hard Red and Brown Organic Silty SAND 2.5YR 4/3	54
ML	Hard Gray Mottled SILT 2.5YR 7/6	82
CL	Mottled Orange Red and Gray CLAY 2.5YR 7/6 to 8/1 5" Sand & Gravel Lens at 9'	
CH	Hard Orangish Gray CLAY Gley 1 7/10Y	
SP	Saturated Medium Grained SAND 7.5YR 8/2	17
CH	Red and Brown Mottled CLAY 10YR 6/4 to 4/6	
CL	Red and Gray Mottled CLAY 2.5YR 8/1 to 4/6	

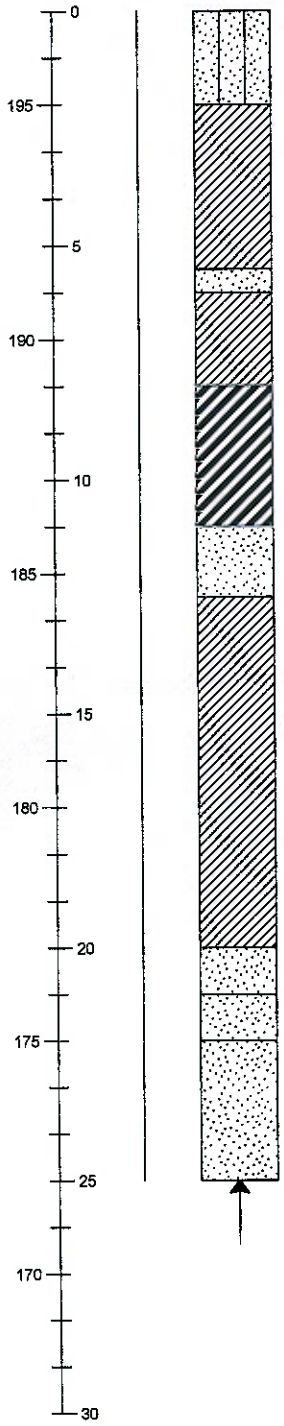
Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-171
PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 197 ft
DATE DRILLED: 11/01/07
DATE COMPLETED: 11/01/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



Elevation / Depth	Soil Symbols Sampler Symbols and Field Test Data	USCS	Description	200 %
		SM	Red and Brown Organic Silty SAND 2.5YR 4/3	
		CL	Hard Mottled CLAY with some Silt 2.5YR 7/6	
		SP	Orange and Brown Medium to Fine Grained SAND 7.5YR 7/8	
		CL	Hard CLAY 2.5YR 7/6	
		CH	Grading to Soft Mottled CLAY 2.5 YR 7/6	
		SP	Saturated Medium Grained SAND 2.5YR 7/6	
		CL	Mottled CLAY with some Silt 2.5YR 7/6 to 8/1	86
		SP	Fine to Medium SAND 2.5YR 7/2	24
		SP	Saturated Silty SAND 2.5YR 6/8	
		SP	Silty SAND with Mica Flakes 2.5YR 7/2 to 2.5YR 6/8	

Remarks:

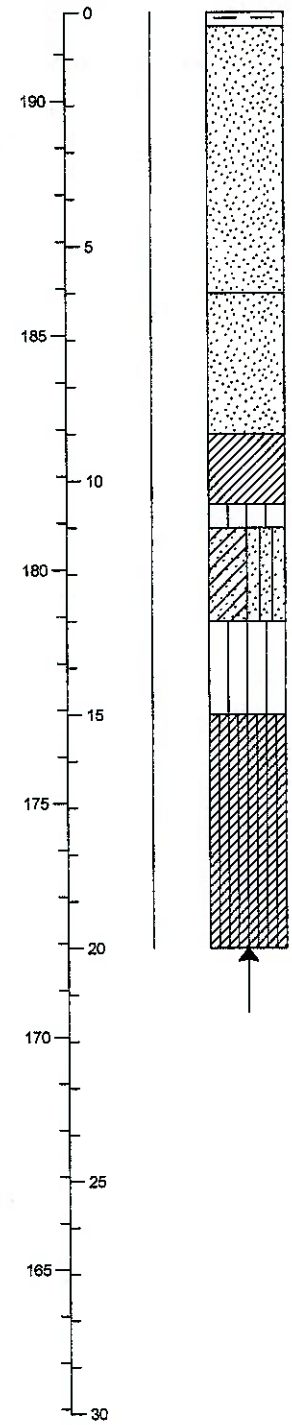
SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-172

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 191.9 ft
DATE DRILLED: 11/01/07
DATE COMPLETED: 11/01/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



Elevation / Depth	Soil Symbols Sampler Symbols and Field Test Data	USCS	Description	200 %
		OL	4" of Organic Sandy SILT	
		SP	Grading into Brown and Orange Fine to Medium Grained SAND with some Gravel 5YR 4/4	
		SP	Gray and Brown Fine to Medium Grained SAND 5YR 7/1	
		CL	Orange Red and Gray Mottled CLAY with some Silt 2.5YR 7/6 to 8/1	
		ML	Saturated Gray SILT 2.5YR 6/1	75
		SC-SM	Mottled Silty Clayey SAND 2.5YR 7/6 to 8/1	24
		ML	Gray SILT Gley1 6/N	71
		CL-ML	Orangish Gray Silty CLAY with Mica Gley1 6/N	

Remarks:

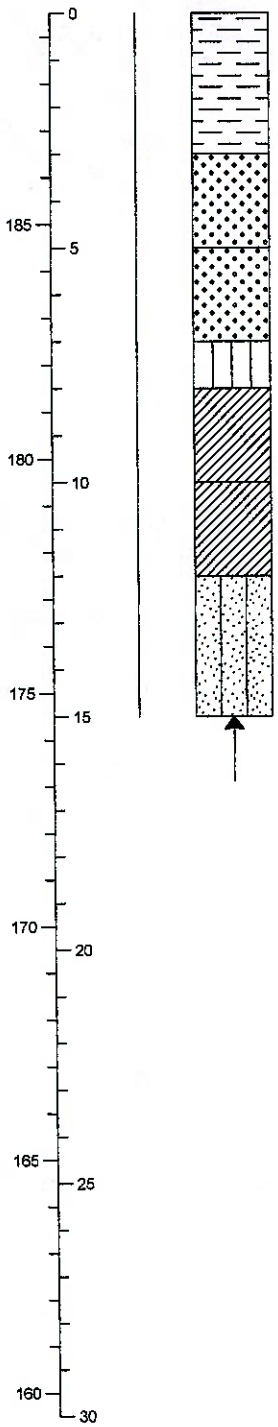
SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-173

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 189.5 ft
DATE DRILLED: 11/02/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



Elevation / Depth	Soil Symbols Sampler Symbols and Field Test Data	USCS	Description	200 %
		OL	Organic Rich Dark Brown Sandy SILT 10YR 4/4	
		SW	Tan Gravelly Coarse SAND 10YR 8/5	
		SW	Orange Brown Gravelly Coarse SAND 10YR 7/6	11
		ML	Red Orange Sandy SILT 10YR 5/8	
		CL	Hard Compacted Orange and Gray Mottled CLAY 2.5YR 7/6 to 8/1	
		CL	Brittle CLAY with some Silt 2.5YR 7/6 to 8/1	
		SM	Silty SAND 10YR 8/6	28

Remarks:

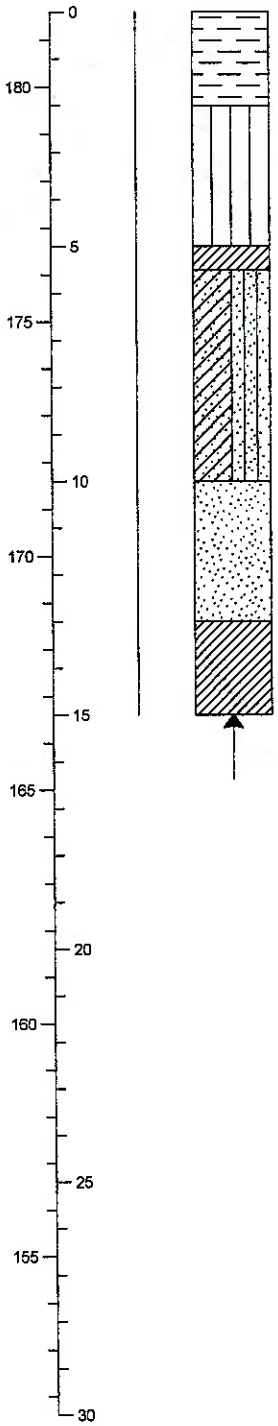
SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-174

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 181.6 ft
DATE DRILLED: 11/02/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



Elevation / Depth	Soil Symbols Sampler Symbols and Field Test Data	USCS	Description	200 %
		OL	Dark Brown Organic Rich Sandy SILT 10YR 4/4	
		ML	Orange Brown Sandy SILT 10YR 7/6	
		CL	Mottled CLAY 2.5YR 7/6 to 8/1	
		SC-SM	Slightly Plastic Clayey SAND 10YR 8/6	20
		SP	Saturated Medium to Fine SAND 10YR 8/6	
		CL	Red Orange and Gray Mottled CLAY 2.5YR 7/6	

Remarks:

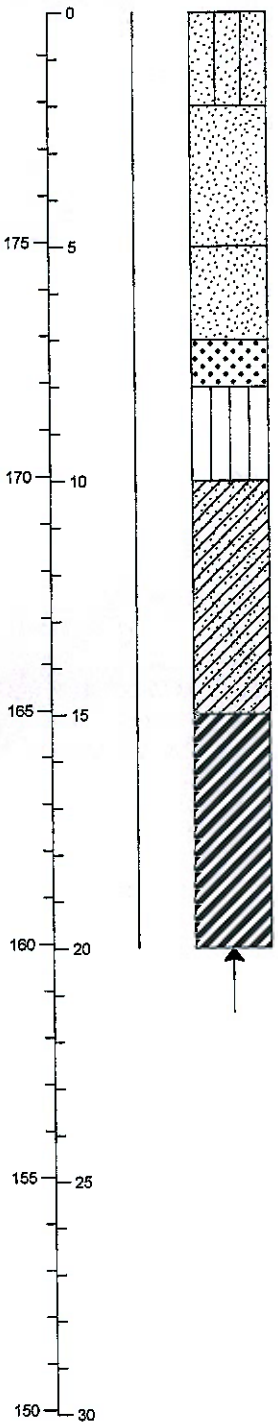
SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-175

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 179.9 ft
DATE DRILLED: 11/02/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



USCS	Description	200 %
SM	Organic Rich Silty SAND 10YR 4/4	
SP	Brown Medium to Fine Grained SAND 10YR 6/3	
SP	Brown Medium Grained SAND 10YR 6/3	
SW	Saturated Well Graded SAND 10YR 7/4	3
ML	Saturated Dark Gray Sandy SILT 10YR 5/1	
SC	Soft Dark Gray Clayey SAND 10YR 5/1	45
CH	Saturated Light Gray CLAY 10YR 8/1	

Remarks:

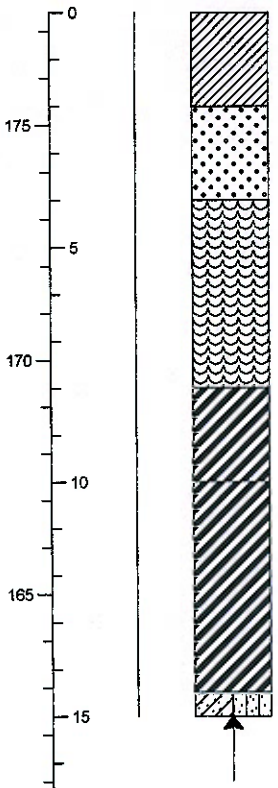
SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SC_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-176

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 177.4 ft
DATE DRILLED: 11/02/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



Elevation / Depth	Soil Symbols Sampler Symbols and Field Test Data	USCS	Description	200 %
		CL	Organic Rich Dark Brown Silty CLAY 10YR 4/3	
		SW	Sandy GRAVEL 10YR 6/3	
		OH	Organic Black CLAY and SILT 10YR 8/1	55
		CH	Saturated Medium Gray 10YR 8/5	
		CH	Soft Saturated CLAY 10YR 5/1	
		SC-SM	Light Gray Clayey SAND 10YR 7/1	36

Remarks:

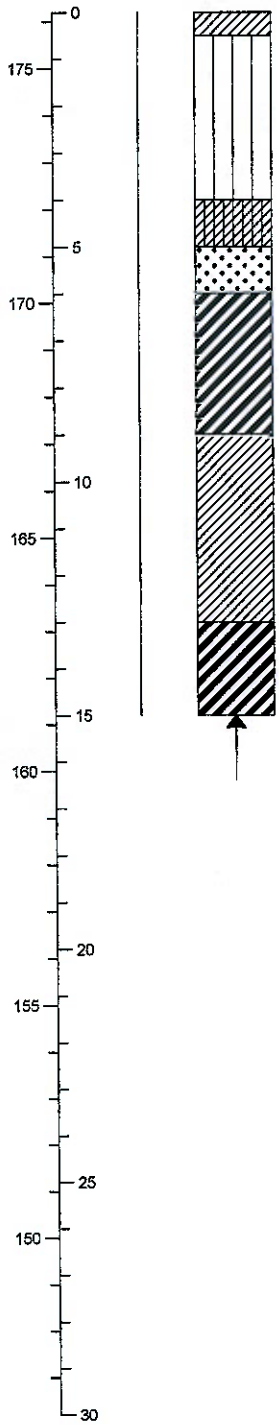
SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-177

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 176.2 ft
DATE DRILLED: 11/02/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



USCS	Description	200 %
CL	Black Organic Silty CLAY	
ML	Brown Sandy SILT 10YR 6/3	
CL-ML	Silty CLAY with Occasional Gravel 10YR 6/3	66
SW	Dry Sandy Gravel 10YR 8/4	
CH	Saturated Medium Gray CLAY 10YR 8/5	
CL	Black Organic Silty CLAY 10YR 8/1	
CH	Medium Gray CLAY 10YR 8/5	

Remarks:

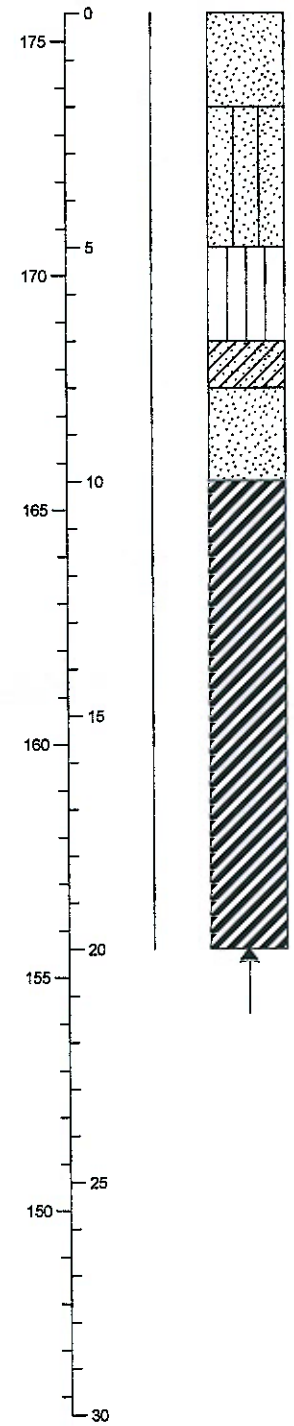
SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-178

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 175.6 ft
DATE DRILLED: 11/02/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



Elevation / Depth	Soil Symbols Sampler Symbols and Field Test Data	USCS	Description	200 %
		SP	Brown Organic Medium SAND 10YR 6/3	
		SM	Dark Brown Silty SAND 10YR 4/2	
		ML	Medium Gray Sandy SILT 10YR 6/1	
		SC	Mottled Clayey SAND 10YR 8/1 to 6/6	42
		SP	Medium to Fine SAND 10YR 8/1 to 6/6	
		CH	Plastic Mottled CLAY with some Silt 10YR 8/1 to 6/6	

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-179

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 175 ft
DATE DRILLED: 11/02/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth	Soil Symbols Sampler Symbols and Field Test Data	USCS	Description	200 %
175 — 0		SM	Brown Organic Rich Silty SAND 10YR 4/4	
		SP	Light Brown and Tan Fine SAND 10YR 6/3	
170 — 5		ML	Dark Gray SILT 10YR 5/1	65
165 — 10		SP	Saturated Medium Gray Medium to Fine Grained SAND 10YR 6/1	
		CL	Medium Gray CLAY with some Silt 10YR 6/1	
160 — 15		CH	Plastic Medium Gray CLAY 10YR 6/1	
155 — 20		CH	Highly Plastic Gray CLAY 10YR 6/1	
		ML	Slightly Plastic Mottled Gray and Orange SILT 10YR 6/6	88
150 — 25				
145 — 30				

Remarks:

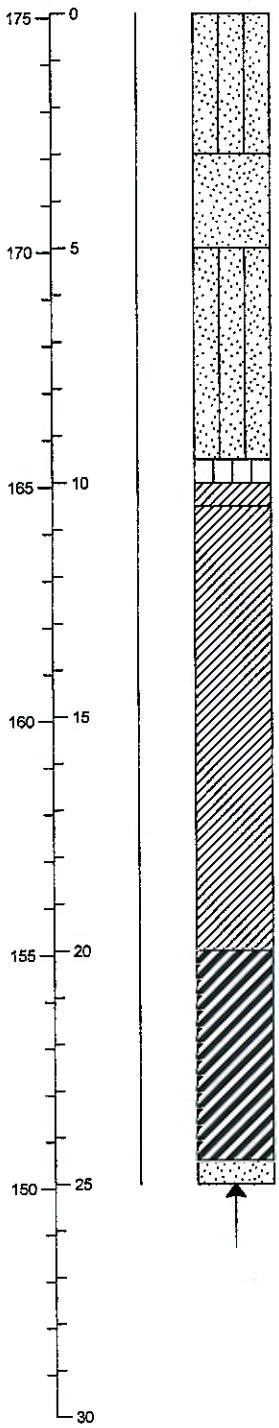
SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-180

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 175.1 ft
DATE DRILLED: 11/02/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



Elevation / Depth	Soil Symbols Sampler Symbols and Field Test Data	USCS	Description	200 %
		SM	Brown Organic Rich Silty SAND 10YR 4/4	
		SP	Light Brown and Tan Fine SAND 10YR 6/3	
		SM	Orange and Gray Mottled Fine SAND and SILT 10YR 6/3	32
		ML	Gray Silty CLAY 10YR 6/1	
		CL	Dark Organic Rich CLAY 10YR 8/1	
		CL	Medium Gray CLAY with some Silt 10YR 6/1	
		CH	Orange and Gray Mottled CLAY with some Silt 10YR 8/1 to 6/6	
		SP	Saturated Fine to Medium Grained SAND 10YR 6/1	17

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

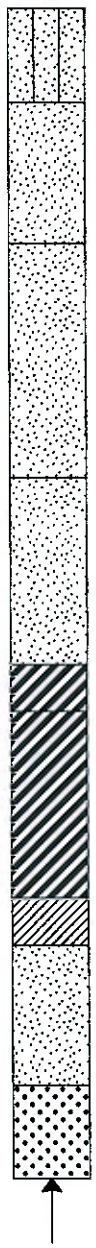
SOIL BORING LOG

BORING NO.: PH-181

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 174.9 ft
DATE DRILLED: 11/02/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS

Elevation / Depth: 0, 5, 10, 15, 20, 25, 30 (170, 165, 160, 155, 150, 145)

Soil Symbols / Sampler Symbols and Field Test Data



USCS	Description	200 %
SM	Brown Organic Rich Silty SAND 10YR 4/4	
SP	Light Brown and Tan Fine SAND 10YR 6/3	
SP	Saturated Fine to Medium SAND Saturated at 8' 10YR 6/3 to 10YR 6/1	
SP	Extremely Saturated Medium to Fine SAND 10YR 6/1	
CH	High Plastic Medium Gray Silty CLAY 10YR 6/1	
CH	Saturated High Plasticity Medium Gray Silty CLAY 10YR 6/1	
CL	High Plastic Greenish Glauconitic CLAY Mica Rich	58
SP	Organic Saturated Fine SAND and SILT 10YR 6/1	
SW	Saturated Coarse Grain Sandy GRAVEL 10YR 8/1	1

Remarks:

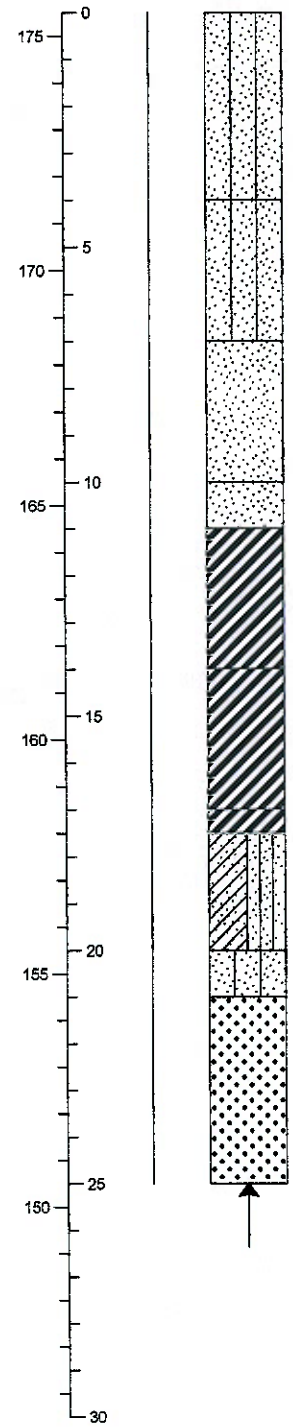
SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

SOIL BORING LOG

BORING NO.: PH-182

PROJECT: COLISEUM BOULEVARD PLUME
PROJECT NO.: C06-401
PROJECT LOCATION: PROPOSED WETLANDS
METHOD: GEOPROBE
BORING LOCATION: MONTGOMERY, AL
BORING ELEVATION: 175.5 ft
DATE DRILLED: 11/02/07
DATE COMPLETED: 11/02/07
WATER LEVEL:
WATER LEVEL DATE:
GEOL / ENGR: J. CULPEPPER
DRILLER: WATKINS



USCS	Description	200 %
SM	Brown Organic Silty SAND 10YR 4/4	
SM	Light Brown and Tan Silty SAND 10YR 6/3	
SP	Fine to Medium Grained SAND Saturated at 8' 10YR 6/1	
SP	Fine to Medium Grained SAND 10YR 7/6	
CH	Highly Plastic Gray Medium Silty CLAY 10YR 6/1	
CH	Gray Medium Silty CLAY 10YR 6/1	
CH	Organic Rich Silty CLAY 10YR 6/1	34
SC-SM	Silty SAND 10YR 6/1	
SM	Saturated Gray Silty SAND 10YR 6/1	
SW	Saturated Yellow and Orange Medium SAND Grading to Gravelly SAND 10YR 6/3	5

Remarks:

SOUTHERN EARTH SCIENCES, inc.

GEOLOG_COLOR F:\JOB FOLDERS\2006\06401-COLISEUM PLUME\BORING LOGS 7-26-07 (COLOR).GPJ SO_EARTH_COLOR.GDT 12/20/07

ATTACHMENT

To: Southern Earth Sciences, Inc.
Post Office Box 231238
Montgomery, AL 36123

Report Date: 11/26/2007
Project No.: 06-401
Project: ALDOT - Coliseum Blvd Plume

ENVIROCHEM Environmental Laboratories

Site ID	Log No.	Matrix	Sample Date	SampledBy	Analyst	Analyze Date	RptLimit	RptUnits	Analyte	Result	Flag
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	ES	10/31/2007 9:00:00 AM	0.1	% by Weight	Moisture	10.4	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Chloromethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Vinyl chloride	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Chloroethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Trichlorofluoromethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,1-Dichloroethene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Methylene Chloride	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	trans-1,2-Dichloroethene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,1-Dichloroethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	cis-1,2-Dichloroethene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Chloroform	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,1,1-Trichloroethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Carbon Tetrachloride	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Benzene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,2-Dichloroethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Trichloroethylene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,2-Dichloropropane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Bromodichloromethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	cis-1,3-Dichloropropene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Toluene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	trans-1,3-Dichloropropene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,1,2-Trichloroethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Tetrachloroethylene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Dibromochloromethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Chlorobenzene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,1,1,2-Tetrachloroethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Ethylbenzene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	10	ug/kg	m,p-Xylene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	o-Xylene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	Bromoform	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,1,2,2-Tetrachloroethane	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,3-Dichlorobenzene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,4-Dichlorobenzene	ND	
N	07J0539-09	Soil	10/25/2007 3:30:00 PM	WM	JNB	10/31/2007 9:03:00 AM	5	ug/kg	1,2-Dichlorobenzene	ND	

To: Southern Earth Sciences, Inc.
Post Office Box 231238
Montgomery, AL 36123

Report Date: 11/26/2007
Project No.: 06-401
Project: ALDOT - Coliseum Blvd Plume

EnviroChem Environmental Laboratories

Site ID	Log No.	Matrix	Sample Date	SampledBy	Analyst	Analyze Date	RptLimit	RptUnits	Analyte	Result	Flag
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Chloromethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Vinyl chloride	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Chloroethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Trichlorofluoromethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,1-Dichloroethene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Methylene Chloride	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	trans-1,2-Dichloroethene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,1-Dichloroethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	cis-1,2-Dichloroethene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Chloroform	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,1,1-Trichloroethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Carbon Tetrachloride	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Benzene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,2-Dichloroethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Trichloroethylene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,2-Dichloropropane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Bromodichloromethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	cis-1,3-Dichloropropene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Toluene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	trans-1,3-Dichloropropene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,1,2-Trichloroethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Tetrachloroethylene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Dibromochloromethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Chlorobenzene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,1,1,2-Tetrachloroethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Ethylbenzene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	m,p-Xylene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	o-Xylene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	Bromoform	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,1,2,2-Tetrachloroethane	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,3-Dichlorobenzene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,4-Dichlorobenzene	ND	
N	07J0539-08	Surface Water	10/25/2007 3:30:00 PM	WM	JNB	11/1/2007 3:59:00 PM	1.0	ug/L	1,2-Dichlorobenzene	ND	

To: Southern Earth Sciences, Inc.
Post Office Box 231238
Montgomery, AL 36123

Report Date: 11/26/2007
Project No.: 06-401
Project: ALDOT - Coliseum Blvd Plume

ENVIROCHEM Environmental Laboratories

Site ID	Log No.	Matrix	Sample Date	SampledBy	Analyst	Analyze Date	RptLimit	RptUnits	Analyte	Result	Flag
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	ES	10/31/2007 9:00:00 AM	0.1	% by Weight	Moisture	37.0	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Chloromethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Vinyl chloride	8	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Chloroethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Trichlorofluoromethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,1-Dichloroethene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Methylene Chloride	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	trans-1,2-Dichloroethene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,1-Dichloroethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	cis-1,2-Dichloroethene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Chloroform	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,1,1-Trichloroethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Carbon Tetrachloride	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Benzene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,2-Dichloroethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Trichloroethylene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,2-Dichloropropane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Bromodichloromethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	cis-1,3-Dichloropropene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Toluene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	trans-1,3-Dichloropropene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,1,2-Trichloroethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Tetrachloroethylene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Dibromochloromethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Chlorobenzene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,1,1,2-Tetrachloroethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Ethylbenzene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	11	ug/kg	m,p-Xylene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	o-Xylene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	Bromoform	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,1,2,2-Tetrachloroethane	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,3-Dichlorobenzene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,4-Dichlorobenzene	ND	
O	07J0539-11	Soil	10/25/2007 3:00:00 PM	WM	JNB	10/31/2007 9:33:00 AM	6	ug/kg	1,2-Dichlorobenzene	ND	

To: Southern Earth Sciences, Inc.
Post Office Box 231238
Montgomery, AL 36123

Report Date: 11/26/2007
Project No.: 06-401
Project: ALDOT - Coliseum Blvd Plume

ENVIROCHEM Environmental Laboratories

Site ID	Log No.	Matrix	Sample Date	SampledBy	Analyst	Analyze Date	RptLimit	RptUnits	Analyte	Result	Flag
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Chloromethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Vinyl chloride	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Chloroethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Trichlorofluoromethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,1-Dichloroethene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Methylene Chloride	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	trans-1,2-Dichloroethene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,1-Dichloroethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	cis-1,2-Dichloroethene	2.4	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Chloroform	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,1,1-Trichloroethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Carbon Tetrachloride	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Benzene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,2-Dichloroethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Trichloroethylene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,2-Dichloropropane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Bromodichloromethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	cis-1,3-Dichloropropene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Toluene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	trans-1,3-Dichloropropene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,1,2-Trichloroethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Tetrachloroethylene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Dibromochloromethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Chlorobenzene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,1,1,2-Tetrachloroethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Ethylbenzene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	m,p-Xylene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	o-Xylene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	Bromoform	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,1,2,2-Tetrachloroethane	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,3-Dichlorobenzene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,4-Dichlorobenzene	ND	
O	07J0539-10	Surface Water	10/25/2007 3:00:00 PM	WM	JNB	11/1/2007 4:24:00 PM	1.0	ug/L	1,2-Dichlorobenzene	ND	

To: Southern Earth Sciences, Inc.
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Report Date: 11/26/2007
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Project: ALDOT - Coliseum Blvd Plume

ENVIROCHEM Environmental Laboratories

Site ID	Log No.	Matrix	Sample Date	SampledBy	Analyst	Analyze Date	RptLimit	RptUnits	Analyte	Result	Flag
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	ES	10/31/2007 9:00:00 AM	0.1	% by Weight	Moisture	17.7	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Chloromethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Vinyl chloride	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Chloroethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Trichlorofluoromethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,1-Dichloroethene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Methylene Chloride	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	trans-1,2-Dichloroethene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,1-Dichloroethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	cis-1,2-Dichloroethene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Chloroform	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,1,1-Trichloroethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Carbon Tetrachloride	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Benzene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,2-Dichloroethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Trichloroethylene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,2-Dichloropropane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Bromodichloromethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	cis-1,3-Dichloropropene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Toluene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	trans-1,3-Dichloropropene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,1,2-Trichloroethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Tetrachloroethylene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Dibromochloromethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Chlorobenzene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,1,1,2-Tetrachloroethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Ethylbenzene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	9	ug/kg	m,p-Xylene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	o-Xylene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	Bromoform	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,1,2,2-Tetrachloroethane	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,3-Dichlorobenzene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,4-Dichlorobenzene	ND	
P	07J0539-13	Soil	10/25/2007 2:20:00 PM	WM	JNB	10/31/2007 10:03:00 AM	5	ug/kg	1,2-Dichlorobenzene	ND	

To: Southern Earth Sciences, Inc.
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ENVIROCHEM Environmental Laboratories

Site ID	Log No.	Matrix	Sample Date	SampledBy	Analyst	Analyze Date	RptLimit	RptUnits	Analyte	Result	Flag
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Chloromethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Vinyl chloride	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Chloroethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Trichlorofluoromethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,1-Dichloroethene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Methylene Chloride	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	trans-1,2-Dichloroethene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,1-Dichloroethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	cis-1,2-Dichloroethene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Chloroform	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,1,1-Trichloroethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Carbon Tetrachloride	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Benzene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,2-Dichloroethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Trichloroethylene	12.0	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,2-Dichloropropane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Bromodichloromethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	cis-1,3-Dichloropropene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Toluene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	trans-1,3-Dichloropropene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,1,2-Trichloroethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Tetrachloroethylene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Dibromochloromethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Chlorobenzene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,1,1,2-Tetrachloroethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Ethylbenzene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	m,p-Xylene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	o-Xylene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	Bromoform	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,1,2,2-Tetrachloroethane	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,3-Dichlorobenzene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,4-Dichlorobenzene	ND	
P	07J0539-12	Surface Water	10/25/2007 2:20:00 PM	WM	JNB	11/1/2007 4:49:00 PM	1.0	ug/L	1,2-Dichlorobenzene	ND	

SOUTHERN EARTH SCIENCES, inc.

October 2007 Quarterly Sampling Event

ENVIROCHEM Environmental Laboratories

N-Water

Facility Name: ALDOT/Coliseum Blvd Plume **Job No:** 06-401 **Low Lying Area:** N-Sediment

Sampling Method: Grab

Date/Time: 10.25.07 1530 **Personnel:** WM **GPS Lat/Lon:** 32° 25' 20.2" 86° 15' 40.0"

3-Volatile Vials (water) 2-Encores 1-4oz. (soil)

O-Water

Facility Name: ALDOT/Coliseum Blvd Plume **Job No:** 06-401 **Low Lying Area:** O-Sediment

Sampling Method: Grab

Date/Time: 10.25.07 1500 **Personnel:** WM **GPS Lat/Lon:** 32° 25' 19.2" 86° 15' 41.6"

3-Volatile Vials (water) 2-Encores 1-4oz. (soil)

P-Water

Facility Name: ALDOT/Coliseum Blvd Plume **Job No:** 06-401 **Low Lying Area:** P-Sediment

Sampling Method: Grab

Date/Time: 10.25.07 1420 **Personnel:** WM **GPS Lat/Lon:** 32° 25' 18.6" 86° 15' 40.2"

3-Volatile Vials (water) 2-Encores 1-4oz. (soil)

ENVIROCHEM
Environmental Laboratories

4320 Midmost Drive Mobile, AL 36609

Tel: 251/344-9106 Fax: 251/341-9492

LAB NO: 07J0539

REQUESTED TAT:
(FEES FOR RUSH TAT MAY APPLY)

CLIENT: SES- Montgomery
ADDRESS:
CITY/ST/ZIP:
CONTACT: Hal Wood
PHONE:
FAX:
EMAIL:

PROJECT: ALDOT - CBP
PO#:

Chain of Custody Record
Agreement to Perform Services

METHOD OF DELIVERY: [X] UPS [ ] BUS [ ] AIRBORNE [ ] DROP OFF [ ] FED X [ ] ECI PICK-UP/SAMPLED [ ] USPS

SHIPPING TICKET NO.:
COMMENTS:

SUB SHIPPED TO:
SUB SHIPPED VIA:
DATE SHIPPED:

EPA 8260

*SPECIFY ANALYTE LIST AND/OR METHOD

Matrix Codes: A=Air B=Bulk S=Soil GW=Groundwater SW=Surface Water/Stormwater WW=Wastewater DW=Drinking Water P=Paint L=Liquid SLD= Solid

PRESERVATION/CONTAINERS FOR WATER SAMPLES

SHADED AREAS FOR LAB USE ONLY

LAB USE ONLY	FIELD ID	COMPOSITE	GRAB	MATRIX	COLLECTION DATE	COLLECTION TIME	PLASTIC NONE: BOD 5-DAY	ALKALINITY	CHLORIDE	pH	SS	SULFATE	TDS	TSS	TURBIDITY	O-PHOS	NITRATE	NITRITE	PLASTIC H2SO4: NO3+NO2	AMMONIA-N	COD	TOTAL PHOS	TKN	TOC	P/G NaOH: CN, AMENABLE	CN, TOTAL	P/G NONE: HW S/CN	FLASHPOINT	GLASS H2SO4: PHENOLS*	TPH*	OIL & GREASE	GLASS NONE: SEMI-VOL*	PAH's	GLASS HCL: BETX	BETXM	BETXN	VOLATILES*	STERILE Na2S203: FECAL COLI	COLIFORM, MF	COLIFORM, P/A	ENTERO	TCLP*	HNO3: METALS*	ASBESTOS	MISC TEST/FIELD DATA: Bacteria	Moisture content
1	MP-1		X	SW	10.25.07	1022																															3										
2	MP-2		X	SW	10.25.07	1050																															3										
3	CP-1		X	SW	10.25.07	1100																															4										
4	CP-2		X	SW	10.25.07	1140																															4										
5	CP-3		X	SW	10.25.07	1230																															4										
6	ZP-1		X	SW	10.25.07	1300																															3										
7	ZD-1		X	SW	10.25.07	1250																															3										
8/9	N		X	SW/S	10.25.07	1530																															3									2	1
10/11	O		X	SW/S	10.25.07	1500																															3									2	1

SAMPLER(S) SIGNATURE(S)/COMPANY: SESI

ENTER QUANITITY AND TYPE OF CONTAINERS:

1. RELINQUISHED BY:	DATE	TIME	2. RELINQUISHED BY:	DATE	TIME	3. RELINQUISHED BY:	DATE	TIME
SIGNATURE:	10.25.07	1650	SIGNATURE:			SIGNATURE:		
COMPANY: SESI			COMPANY:			COMPANY:		

1. RECEIVED BY:	DATE	TIME	2. RECEIVED BY:	DATE	TIME	3. RECEIVED BY:	DATE	TIME
SIGNATURE:	10/26/07	1465	SIGNATURE:			SIGNATURE:		
COMPANY:			COMPANY:			COMPANY:		

COOLER TEMP: oC ICE PRESENT: Y N
AIR BUBBLES PRESENT IN VOA VIALS: Y N N/A
CUSTODY SEALS INTACT: Y N N/A

OF BROKEN CONTAINERS: SAMPLE
HOLD TIMES EXCEEDED: Y N SAMPLE #/TEST
CORRECT CONT/PRES: Y N SAMPLE #/TEST
OF ID DISCREPENCIES: SAMPLE

CORRECTIVE ACTION TAKEN: Y N IF YES, COMPLETE
PERSON CONTACTED: BY WHOM:
RESOLUTION: DATE/TIME:

ENVIROCHEM
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LAB NO: 07J0539

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Agreement to Perform Services

METHOD OF DELIVERY: ☐ UPS ☐ BUS ☐ AIRBORNE ☐ DROP OFF ☐ FED X ☐ ECI PICK-UP/SAMPLED ☐ USPS

SHIPPING TICKET NO.:
COMMENTS:

SUB SHIPPED TO:
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DATE SHIPPED:

EPA 8260

*SPECIFY ANALYTE LIST AND/OR METHOD

Matrix Codes: A=Air B=Bulk S=Soil GW=Groundwater SW=Surface Water/Stormwater WW=Wastewater DW=Drinking Water P=Paint L=Liquid SLD= Solid

PRESERVATION/CONTAINERS FOR WATER SAMPLES

SHADED AREAS FOR LAB USE ONLY

LAB USE ONLY	FIELD ID	COMPOSITE	GRAB	MATRIX	COLLECTION DATE	COLLECTION TIME	PLASTIC NONE: BOD 5-DAY	ALKALINITY	CHLORIDE	pH	SS	SULFATE	TDS	TSS	TURBIDITY	O-PHOS	NITRATE	NITRITE	PLASTIC H2SO4: NO3+NO2	AMMONIA-N	COD	TOTAL PHOS	TKN	TOC	P/G NaOH: CN, AMENABLE	CN, TOTAL	P/G NONE: HW S/CN	FLASHPOINT	GLASS H2SO4: PHENOLS*	TPH*	OIL & GREASE	GLASS NONE: SEMI-VOL*	PAH's	GLASS HCL: BETX	BETXM	BETXN	VOLATILES*	STERILE Na2S203: FECAL COLI	COLIFORM, MF	COLIFORM, P/A	ENTERO	TCLP*	HNO3: METALS*	ASBESTOS	MISC TEST/FIELD DATA: Encores	Moisture
12/13	P		X	W/S	10.25.07	1420																																3								2	1

SAMPLER(S) SIGNATURE(S)/COMPANY: SESI

ENTER QUANITITY AND TYPE OF CONTAINERS:

1. RELINQUISHED BY:	DATE	TIME	2. RELINQUISHED BY:	DATE	TIME	3. RELINQUISHED BY:	DATE	TIME
SIGNATURE:	10.25.07	1650	SIGNATURE:			SIGNATURE:		
COMPANY: SESI			COMPANY:			COMPANY:		

1. RECEIVED BY:	DATE	TIME	2. RECEIVED BY:	DATE	TIME	3. RECEIVED BY:	DATE	TIME
SIGNATURE: MKBrenn	10/26/07	1405	SIGNATURE:			SIGNATURE:		
COMPANY:			COMPANY:			COMPANY:		

COOLER TEMP: oC ICE PRESENT: Y N
AIR BUBBLES PRESENT IN VOA VIALS: Y N N/A
CUSTODY SEALS INTACT: Y N N/A
COOLER OPENED BY: DATE/TIME:

OF BROKEN CONTAINERS: SAMPLE
HOLD TIMES EXCEEDED: Y N SAMPLE #/TEST
CORRECT CONT/PRES: Y N SAMPLE #/TEST
OF ID DISCREPENCIES: SAMPLE

CORRECTIVE ACTION TAKEN: Y N IF YES, COMPLETE
PERSON CONTACTED: BY WHOM:
RESOLUTION: DATE/TIME:

ENVIROCHEM
Environmental Laboratories

4320 Midmost Drive Mobile, Alabama 36609
Phone (251) 344-9106 Fax (251) 341-9492

Southern Earth Sciences-Montgomery
Post Office Box 231238
Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

ANALYTICAL REPORT

Enclosed are the results of analyses for the samples listed below that were received by the laboratory on 11/06/07 15:32-11/09/07 09:48. If you have any questions concerning this report, please feel free to call EnviroChem at (251) 344-9106.

Sample Description	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
SB-158	07K0091-01	Ground Water	Grab	11/03/07 09:00	11/06/07 15:32
SB-159	07K0091-02	Ground Water	Grab	11/04/07 08:35	11/06/07 15:32
SB-160	07K0091-03	Ground Water	Grab	11/04/07 07:30	11/06/07 15:32
SB-167	07K0091-04	Ground Water	Grab	11/03/07 14:40	11/06/07 15:32
SB-168	07K0091-05	Ground Water	Grab	11/03/07 12:30	11/06/07 15:32
Southeast of SB-167 (PH-50 area)	07K0091-06	Ground Water	Grab	11/03/07 11:50	11/06/07 15:32
Southwest of SB-167 (PH-133 area)	07K0091-07	Ground Water	Grab	11/03/07 11:06	11/06/07 15:32
PH-159D	07K0091-08	Ground Water	Grab	11/04/07 16:20	11/06/07 15:32
Trip Blank	07K0091-09	Ground Water	Grab	11/06/07 00:00	11/06/07 15:32
SB-158 Dup	07K0091-10	Ground Water	Grab	11/06/07 09:00	11/06/07 15:32
SB-159	07K0143-01	Ground Water	Grab	11/07/07 11:00	11/08/07 10:13
SB-159	07K0174-01	Ground Water	Grab	11/08/07 16:50	11/09/07 09:48

Comments and Data Reporting Qualifiers

Reviewed by: Susan Maynord
EnviroChem Environmental Laboratories

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EnviroChem
Environmental Laboratories

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Southern Earth Sciences-Montgomery
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Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/03/07 09:00
Date Received: 11/06/07 15:32

SB-158
07K0091-01 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Volatile Organic Compounds by EPA Method 8260B									
Chloromethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Vinyl chloride	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichlorofluoromethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Methylene Chloride	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroform	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Carbon Tetrachloride	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Benzene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichloroethylene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloropropane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromodichloromethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Toluene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Tetrachloroethylene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Dibromochloromethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chlorobenzene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Ethylbenzene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
m,p-Xylene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
o-Xylene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromoform	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,3-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,4-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 11:50	JNB	EPA 8260	1.0	ug/L	< 1.0	

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Southern Earth Sciences-Montgomery
Post Office Box 231238
Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/04/07 08:35
Date Received: 11/06/07 15:32

SB-159
07K0091-02 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Volatile Organic Compounds by EPA Method 8260B									
Chloromethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Vinyl chloride	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichlorofluoromethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Methylene Chloride	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroform	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Carbon Tetrachloride	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Benzene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichloroethylene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloropropane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromodichloromethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Toluene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Tetrachloroethylene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Dibromochloromethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chlorobenzene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Ethylbenzene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
m,p-Xylene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
o-Xylene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromoform	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,3-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,4-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 12:21	JNB	EPA 8260	1.0	ug/L	< 1.0	

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Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/04/07 08:35
Date Received: 11/06/07 15:32

SB-159
07K0091-02 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Classical Chemistry Parameters									
Dissolved Organic Carbon	7K20001	11/07/07 08:00	11/19/07 08:00	ES	SM 5310B	0.5	mg/L	**5.3**	
Total Organic Carbon	7K20001	11/19/07 08:00	11/19/07 08:00	ES	SM 5310C	0.5	mg/L	**35.0**	

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Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/04/07 07:30
Date Received: 11/06/07 15:32

SB-160
07K0091-03 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Metals by EPA 200 Series Methods									
Iron	7K07018	11/07/07 09:30	11/07/07 17:54	RB	EPA 200.7	0.1	mg/L	**6.6**	
Volatile Organic Compounds by EPA Method 8260B									
Chloromethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Vinyl chloride	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichlorofluoromethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Methylene Chloride	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroform	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Carbon Tetrachloride	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Benzene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichloroethylene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloropropane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromodichloromethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Toluene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Tetrachloroethylene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Dibromochloromethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chlorobenzene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Ethylbenzene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
m,p-Xylene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
o-Xylene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromoform	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,3-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,4-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 12:51	JNB	EPA 8260	1.0	ug/L	< 1.0	

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ENVIROCHEM
Environmental Laboratories

4320 Midmost Drive Mobile, Alabama 36609
Phone (251) 344-9106 Fax (251) 341-9492

Southern Earth Sciences-Montgomery
Post Office Box 231238
Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/04/07 07:30
Date Received: 11/06/07 15:32

SB-160
07K0091-03 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Classical Chemistry Parameters									
Total Alkalinity	7K19018	11/19/07 12:25	11/19/07 12:25	RS	SM 2320B	1	mg/L	**18**	
Chloride	7K19015	11/19/07 14:00	11/19/07 14:00	LM	SM 4500Cl-E	2	mg/L	**18**	
Dissolved Organic Carbon	7K20001	11/07/07 08:00	11/19/07 08:00	ES	SM 5310B	0.5	mg/L	**4.9**	
Nitrite as N	7K07019	11/07/07 07:40	11/07/07 07:40	RS	SM 4500NO2-B	0.02	mg/L	**0.03**	
Nitrate as N	7K08011	11/07/07 07:40	11/07/07 07:40	RS	SM 4500NO3-E	0.2	mg/L	< 0.2	
Sulfate as SO4	7K09037	11/09/07 08:05	11/09/07 08:05	CHF	SM 4500SO4-D	1	mg/L	**36**	
Total Organic Carbon	7K20001	11/19/07 08:00	11/19/07 08:00	ES	SM 5310C	0.5	mg/L	**21.0**	

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Southern Earth Sciences-Montgomery
Post Office Box 231238
Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/03/07 14:40
Date Received: 11/06/07 15:32

SB-167
07K0091-04 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Volatile Organic Compounds by EPA Method 8260B									
Chloromethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Vinyl chloride	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichlorofluoromethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Methylene Chloride	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroform	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Carbon Tetrachloride	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Benzene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichloroethylene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	**92.9**	
1,2-Dichloropropane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromodichloromethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Toluene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Tetrachloroethylene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Dibromochloromethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chlorobenzene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Ethylbenzene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
m,p-Xylene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
o-Xylene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromoform	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,3-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,4-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 13:22	JNB	EPA 8260	1.0	ug/L	< 1.0	

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Environmental Laboratories

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Southern Earth Sciences-Montgomery
Post Office Box 231238
Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/03/07 12:30
Date Received: 11/06/07 15:32

SB-168
07K0091-05 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Volatile Organic Compounds by EPA Method 8260B									
Chloromethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Vinyl chloride	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichlorofluoromethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Methylene Chloride	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroform	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Carbon Tetrachloride	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Benzene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichloroethylene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	**4.8**	
1,2-Dichloropropane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromodichloromethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Toluene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Tetrachloroethylene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Dibromochloromethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chlorobenzene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Ethylbenzene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
m,p-Xylene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
o-Xylene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromoform	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,3-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,4-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 13:52	JNB	EPA 8260	1.0	ug/L	< 1.0	

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Environmental Laboratories

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Southern Earth Sciences-Montgomery
Post Office Box 231238
Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/03/07 11:50
Date Received: 11/06/07 15:32

Southeast of SB-167 (PH-50 area)
07K0091-06 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Volatile Organic Compounds by EPA Method 8260B									
Chloromethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Vinyl chloride	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichlorofluoromethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Methylene Chloride	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroform	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Carbon Tetrachloride	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Benzene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichloroethylene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloropropane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromodichloromethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Toluene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Tetrachloroethylene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Dibromochloromethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chlorobenzene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Ethylbenzene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
m,p-Xylene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
o-Xylene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromoform	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,3-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,4-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 14:23	JNB	EPA 8260	1.0	ug/L	< 1.0	

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Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/03/07 11:06
Date Received: 11/06/07 15:32

Southwest of SB-167 (PH-133 area)
07K0091-07 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Volatile Organic Compounds by EPA Method 8260B									
Chloromethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Vinyl chloride	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichlorofluoromethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Methylene Chloride	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroform	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	**1.0**	
1,1,1-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Carbon Tetrachloride	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Benzene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichloroethylene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	**81.6**	
1,2-Dichloropropane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromodichloromethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Toluene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Tetrachloroethylene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Dibromochloromethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chlorobenzene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Ethylbenzene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
m,p-Xylene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
o-Xylene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromoform	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,3-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,4-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 15:24	JNB	EPA 8260	1.0	ug/L	< 1.0	

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4320 Midmost Drive Mobile, Alabama 36609
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Southern Earth Sciences-Montgomery
Post Office Box 231238
Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/04/07 16:20
Date Received: 11/06/07 15:32

PH-159D
07K0091-08 (Ground Water)

Sampled by: Will McBride
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Volatile Organic Compounds by EPA Method 8260B									
Chloromethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Vinyl chloride	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichlorofluoromethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Methylene Chloride	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroform	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Carbon Tetrachloride	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Benzene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichloroethylene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloropropane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromodichloromethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Toluene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Tetrachloroethylene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Dibromochloromethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chlorobenzene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Ethylbenzene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
m,p-Xylene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
o-Xylene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromoform	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,3-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,4-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 15:55	JNB	EPA 8260	1.0	ug/L	< 1.0	

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Southern Earth Sciences-Montgomery
Post Office Box 231238
Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/06/07 00:00
Date Received: 11/06/07 15:32

Trip Blank
07K0091-09 (Ground Water)

Sampled by: Will McBride
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Volatile Organic Compounds by EPA Method 8260B									
Chloromethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Vinyl chloride	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichlorofluoromethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Methylene Chloride	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroform	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Carbon Tetrachloride	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Benzene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichloroethylene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloropropane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromodichloromethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Toluene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Tetrachloroethylene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Dibromochloromethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chlorobenzene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Ethylbenzene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
m,p-Xylene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
o-Xylene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromoform	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,3-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,4-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 16:58	JNB	EPA 8260	1.0	ug/L	< 1.0	

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Southern Earth Sciences-Montgomery
Post Office Box 231238
Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/06/07 09:00
Date Received: 11/06/07 15:32

SB-158 Dup
07K0091-10 (Ground Water)

Sampled by: Will McBride
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Volatile Organic Compounds by EPA Method 8260B									
Chloromethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Vinyl chloride	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichlorofluoromethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Methylene Chloride	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,2-Dichloroethene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chloroform	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Carbon Tetrachloride	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Benzene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloroethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Trichloroethylene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichloropropane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromodichloromethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
cis-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Toluene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
trans-1,3-Dichloropropene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2-Trichloroethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Tetrachloroethylene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Dibromochloromethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Chlorobenzene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,1,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Ethylbenzene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
m,p-Xylene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
o-Xylene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
Bromoform	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,1,2,2-Tetrachloroethane	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,3-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,4-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	
1,2-Dichlorobenzene	7K08002	11/07/07 08:30	11/07/07 16:25	JNB	EPA 8260	1.0	ug/L	< 1.0	

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Southern Earth Sciences-Montgomery
Post Office Box 231238
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Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/07/07 11:00
Date Received: 11/08/07 10:13

SB-159
07K0143-01 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Metals by EPA 200 Series Methods									
Iron	7K09005	11/09/07 09:30	11/09/07 17:12	RB	EPA 200.7	0.1	mg/L	**0.9**	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ENVIROCHEM
Environmental Laboratories

4320 Midmost Drive Mobile, Alabama 36609
Phone (251) 344-9106 Fax (251) 341-9492

Southern Earth Sciences-Montgomery
Post Office Box 231238
Montgomery AL, 38123
Attention: Hal Wood

Project: CBP Low-Lying Areas Groundwater Sampling
Project Number: 06-401

Reported:
11/21/07 15:33

Date Sampled: 11/08/07 16:50
Date Received: 11/09/07 09:48

SB-159
07K0174-01 (Ground Water)

Sampled by: Client
Sample Type: Grab

Analyte	Batch	Prepared	Analyzed	Analyst	Method	Reporting Limit	Units	Result	Notes
Classical Chemistry Parameters									
Total Alkalinity	7K19018	11/19/07 12:25	11/19/07 12:25	RS	SM 2320B	1	mg/L	**6**	
Chloride	7K19015	11/19/07 14:00	11/19/07 14:00	LM	SM 4500Cl-E	2	mg/L	**4**	
Nitrite as N	7K09010	11/09/07 11:30	11/09/07 11:30	RS	SM 4500NO2-B	0.02	mg/L	< 0.02	
Sulfate as SO4	7K21010	11/20/07 16:00	11/20/07 16:00	ES	SM 4500SO4-D	1	mg/L	**60**	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lab Number: 07K0091

CHAIN OF CUSTODY
EnviroChem, Inc.

Printed: 10/31/2007 11:23:23AM

Client: Southern Earth Sciences-Montgomery
Project: CBP Low-Lying Areas Groundwater Sampling
Project Manager: Hal Wood
Project Number: 06-401

Sample Number	Sample Identification	Matrix	Type	Sample Date/Time	Sampled By	Container	Qty	Analyses
01	SB-158	Ground Water	Grab	11.03.07/900	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260 - CBP
~~02~~	~~SB-159~~	Ground Water	Grab			16_500mL Plastic pH <2 w/ HNO3	1	Fe
02	SB-159	Ground Water	Grab	11.4.07/835	WM	17_40mL Amber Vial (pre-pres.) HCl; Cool to 4° C	2	Methane
02	SB-159	Ground Water	Grab	11.04.07/830	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260- CBP
~~02~~	~~SB-159~~	Ground Water	Grab			18_1000mL Plastic Cool to 4° C	1	Alk, Cl, NO_2, SO_4
02	SB-159	Ground Water	Grab	11.4.07/1605	WM	18_250mL Amber Glass Cool to 4° C	1	DOC
02	SB-159	Ground Water	Grab	11.4.07/1600	WM	_250mL Amber Glass pH <2 w/ H2SO4 Cool to 4°	1	TOC
~~02~~	~~SB-159~~	Ground Water	Grab	~~1600~~	~~WM~~	18_500mL Plastic pH <2 w/ H2SO4 Cool to 4° C	1	NO_3
03	SB-160	Ground Water	Grab	11.04.07/730	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
03	SB-160	Ground Water	Grab	11.04.07/735	WM	17_40mL Amber Vial (pre-pres.) HCl; Cool to 4° C	2	Methane
03	SB-160	Ground Water	Grab	11.04.07/740	WM	18_1000mL Plastic Cool to 4° C	1	Alk, Cl, NO_2, SO_4
03	SB-160	Ground Water	Grab	11.04.07/~~745~~ 1000	WM	18_250mL Amber Glass Cool to 4° C	1	DOC
03	SB-160	Ground Water	Grab	11.04.07/1005	WM	_250mL Amber Glass pH <2 w/ H2SO4 Cool to 4°	1	TOC
03	SB-160	Ground Water	Grab	11.4.07/1130	WM	18_500mL Plastic pH <2 w/ H2SO4 Cool to 4° C	1	NO_3
03	SB-160	Ground Water	Grab	11.4.07/1420	WM	16_500mL Plastic pH <2 w/ HNO3	1	Fe
04	SB-167	Ground Water	Grab	11.03.07/1440	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
05	SB-168	Ground Water	Grab	11.03.07/1230	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260- CBP
06	Southeast of SB-167 (PH-50 area)	Ground Water	Grab	11.03.07/1150	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260- CBP
07	Southwest of SB-167 (PH-133 area	Ground Water	Grab	11.03.07/1106	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
08	PH - 159 D	"	"	11.4.07/1620	WM	"	3	8260-CBP

Relinquished By: [signature] Date: 11/05/07 1640

Received By: [signature] Date: 1532

Relinquished By: Date:

Received By: Date:

Comments: Field Parameters
Ferrous Fe, pH, conductivity, DO, ORP
Ferric Fe by Calculation

Lab Number:

CHAIN OF CUSTODY
EnviroChem, Inc.

Printed: 10/31/2007 11:23:23AM

Client: Southern Earth Sciences-Montgomery
Project: CBP Low-Lying Areas Groundwater Sampling
Project Manager: Hal Wood
Project Number: 06-401

07K0143

Sample Number	Sample Identification	Matrix	Type	Sample Date/Time	Sampled By	Container	Qty	Analyses
~~01~~	SB-158 [redacted]	Ground Water	Grab	11.0207/900	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260 - CBP
02	SB-159 [redacted]	Ground Water	Grab	11.7.07/1100	WM	16_500mL Plastic pH <2 w/ HNO3	1	Fe
~~03~~	SB-159 [redacted]	Ground Water	Grab	11.407/835	WM	17_40mL Amber Vial (pre-pres.) HCl; Cool to 4° C	2	Methane
~~04~~	SB-159 [redacted]	Ground Water	Grab	11.04.07/830	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260- CBP
~~05~~	SB-159 [redacted]	Ground Water	Grab			18_1000mL Plastic Cool to 4° C	1	Alk, Cl, NO_2, SO4
~~06~~	SB-159 [redacted]	Ground Water	Grab	11.4.07/1605	WM	18_250mL Amber Glass Cool to 4° C	1	DOC
~~07~~	SB-159 [redacted]	Ground Water	Grab	11.4.07/1600	WM	_250mL Amber Glass pH <2 w/ H2SO4 Cool to 4°	1	TOC
~~08~~	SB-159 [redacted]	Ground Water	Grab	11.7.07 ~~1600~~	WM	18_500mL Plastic pH <2 w/ H2SO4 Cool to 4° C	1	NO_3
~~09~~	SB-160 [redacted]	Ground Water	Grab	11.0407/730	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
~~10~~	SB-160 [redacted]	Ground Water	Grab	11.04.07/735	WM	17_40mL Amber Vial (pre-pres.) HCl; Cool to 4° C	2	Methane
~~11~~	SB-160 [redacted]	Ground Water	Grab	11.04.07/740	WM	18_1000mL Plastic Cool to 4° C	1	Alk, Cl, NO_2, SO4
~~12~~	SB-160 [redacted]	Ground Water	Grab	11.04.07/~~745~~ 1000	WM	18_250mL Amber Glass Cool to 4° C	1	DOC
~~13~~	SB-160 [redacted]	Ground Water	Grab	11.04.07/1005	WM	_250mL Amber Glass pH <2 w/ H2SO4 Cool to 4°	1	TOC
~~14~~	SB-160 [redacted]	Ground Water	Grab	11.4.07/1130	WM	18_500mL Plastic pH <2 w/ H2SO4 Cool to 4° C	1	NO_3
~~15~~	SB-160 [redacted]	Ground Water	Grab	11.4.07/1420	WM	16_500mL Plastic pH <2 w/ HNO3	1	Fe
~~16~~	SB-167 [redacted]	Ground Water	Grab	11.03.07/1440	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
~~17~~	SB-168 [redacted]	Ground Water	Grab	11.03.07/1230	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260- CBP
~~18~~	Southeast of SB-167 (PH-50 area) [redacted]	Ground Water	Grab	11.03.07/1150	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260- CBP
~~19~~	Southwest of SB-167 (PH-133 area) [redacted]	Ground Water	Grab	11.03.07/1106	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
~~20~~	PH - 159 D	"	"	11.4.07/1620	WM	"	3	8260-CBP

Relinquished By: [signature] Date: 11/7/07 1710

Relinquished By: Date:

Received By: Date:

Received By: Date:

Comments: Field Parameters
Ferrous Fe, pH, conductivity, DO, ORP
Ferric Fe by Calculation

Lab Number: 07K0174

CHAIN OF CUSTODY
EnviroChem, Inc.

Printed: 10/31/2007 11:23:23AM

Client: Southern Earth Sciences-Montgomery
Project: CBP Low-Lying Areas Groundwater Sampling

Project Manager: Hal Wood
Project Number: 06-401

Sample Number	Sample Identification	Matrix	Type	Sample Date/Time	Sampled By	Container	Qty	Analyses
01	SB-158	Ground Water	Grab	11.03.07/900	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	~~8260-CBP~~
02	SB-159	Ground Water	Grab			16_500mL Plastic pH <2 w/ HNO3	1	Fe
02	SB-159	Ground Water	Grab	11.4.07/835	WM	17_40mL Amber Vial (pre-pres.) HCl; Cool to 4° C	2	Methane
02	SB-159	Ground Water	Grab	11.04.07/830	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
02	SB-159	Ground Water	Grab	11.8.07/1650	WM	18_1000mL Plastic Cool to 4° C	1	Alk, Cl, NO_3, SO4
02	SB-159	Ground Water	Grab	11.4.07/1605	WM	18_250mL Amber Glass Cool to 4° C	1	DOC
02	SB-159	Ground Water	Grab	11.4.07/1600	WM	_250mL Amber Glass pH <2 w/ H2SO4 Cool to 4°	1	TOC
02	SB-159	Ground Water	Grab	11.7.07 1600	WM	18_500mL Plastic pH <2 w/ H2SO4 Cool to 4° C	1	NO_3
03	SB-160	Ground Water	Grab	11.04.07/730	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
03	SB-160	Ground Water	Grab	11.04.07/735	WM	17_40mL Amber Vial (pre-pres.) HCl; Cool to 4° C	2	Methane
03	SB-160	Ground Water	Grab	11.04.07/740	WM	18_1000mL Plastic Cool to 4° C	1	Alk, Cl, NO_3, SO4
03	SB-160	Ground Water	Grab	11.04.07/~~745~~ 1000	WM	18_250mL Amber Glass Cool to 4° C	1	DOC
03	SB-160	Ground Water	Grab	11.04.07/1005	WM	_250mL Amber Glass pH <2 w/ H2SO4 Cool to 4°	1	TOC
03	SB-160	Ground Water	Grab	11.4.07/1130	WM	18_500mL Plastic pH <2 w/ H2SO4 Cool to 4° C	1	NO_3
03	SB-160	Ground Water	Grab	11.4.07/1420	WM	16_500mL Plastic pH <2 w/ HNO3	1	Fe
04	SB-167	Ground Water	Grab	11.03.07/1440	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
05	SB-168	Ground Water	Grab	11.03.07/1230	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
06	Southeast of SB-167 (PH-50 area)	Ground Water	Grab	11.03.07/1150	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
07	Southwest of SB-167 (PH-133 area	Ground Water	Grab	11.03.07/1106	WM	17_40mL Clear Vial (pre-pres.) HCl; Cool to 4° C	3	8260-CBP
~~08~~	~~PH-159B~~	"	"	11.4.07/1620	WM	"	3	8260-CBP

Relinquished By: [signature] Date: 11/08/07 1700

Received By: Date:

Relinquished By: Date:

Received By: Date:

Comments: Field Parameters
Ferrous Fe, pH, conductivity, DO, ORP
Ferric Fe by Calculation

ANALYTICAL REPORT

Job Number: 400-26179-1

Job Description: 07K0091

For:
Envirochem Laboratories
4320 Midmost Drive
Mobile, AL 36609

Attention: Susan Maynord

Marty Edwards
Project Manager I
marty.edwards@testamericainc.com
11/14/2007

The test results in this report meet all NELAP requirements for accredited parameters and relate only to the referenced samples. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Pensacola Certifications and Approvals: Alabama (#40150), Arizona (#AZ0589), Arkansas (#88-0689), California (#2510), Florida (#E81010), Florida CQAP (#980156), Illinois (#200041), Iowa (#367), Kansas (#E10253), Kentucky UST (#0053), Louisiana (#30748), Maryland (#233), Massachusetts (#M-FL094), Michigan (#9912), New Hampshire (#250502), New Jersey (#FL006), North Carolina (#314), North Dakota (#R-108), Oklahoma (#9810), Pennsylvania (#68-467), South Carolina (#96026), Tennessee (#02907), Virginia (#00008), West Virginia (#136), USDA Foreign Soil Permit (#S-37599).

METHOD SUMMARY

Client: Envirochem Laboratories | Job Number: 400-26179-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Dissolved Gases in Water	TAL PEN	RSK RSK-175	

Lab References:

TAL PEN = TestAmerica Pensacola

Method References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

METHOD / ANALYST SUMMARY

Client: Envirochem Laboratories

Job Number: 400-26179-1

Method	Analyst	Analyst ID
RSK RSK-175	Ayers, Kim	KA

SAMPLE SUMMARY

Client: Envirochem Laboratories

Job Number: 400-26179-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-26179-1	07K0091-02	Water	11/04/2007 0835	11/08/2007 1030
400-26179-2	07K0091-03	Water	11/04/2007 0730	11/08/2007 1030

Analytical Data

Client: Envirochem Laboratories

Job Number: 400-26179-1

Client Sample ID: 07K0091-02

Lab Sample ID: 400-26179-1
Client Matrix: Water

Date Sampled: 11/04/2007 0835
Date Received: 11/08/2007 1030

RSK-175 Dissolved Gases in Water

Method: RSK-175
Preparation: N/A
Dilution: 1.0
Date Analyzed: 11/12/2007 1243
Date Prepared: N/A

Analysis Batch: 400-58998

Instrument ID: GC/FID
Lab File ID: 1001010.D
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methane	0.79	J	0.15	1.0
Ethane	<0.64		0.64	1.0
Ethene	<0.45		0.45	1.0

Analytical Data

Client: Envirochem Laboratories

Job Number: 400-26179-1

Client Sample ID: 07K0091-03

Lab Sample ID: 400-26179-2
Client Matrix: Water

Date Sampled: 11/04/2007 0730
Date Received: 11/08/2007 1030

RSK-175 Dissolved Gases in Water

Method: RSK-175
Preparation: N/A
Dilution: 1.0
Date Analyzed: 11/12/2007 1253
Date Prepared: N/A

Analysis Batch: 400-58998

Instrument ID: GC/FID
Lab File ID: 1101011.D
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methane	41		0.15	1.0
Ethane	<0.64		0.64	1.0
Ethene	<0.45		0.45	1.0

DATA REPORTING QUALIFIERS

Client: Envirochem Laboratories

Job Number: 400-26179-1

Lab Section	Qualifier	Description
GC VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

420-26179

SUBCONTRACT ORDER

EnviroChem, Inc.

07K0091

SENDING LABORATORY:

EnviroChem, Inc.
4320 Midmost Drive
Mobile, AL 36609
Phone: (251) 344-9106
Fax: (251) 341-9492
Project Manager: EnviroChem, Inc.

RECEIVING LABORATORY:

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

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 07K0091-02	**Water**	**Sampled:11/04/07 08:35**		
(SUB) Methane, Ethane & Ethe	11/20/07 00:00	11/18/07 08:35		
Containers Supplied:				
17_40mL Amber Vial (pre	17_40mL Amber Vial (pre			
Sample ID: 07K0091-03	**Water**	**Sampled:11/04/07 07:30**		
(SUB) Methane, Ethane & Ethe	11/20/07 00:00	11/18/07 07:30		
Containers Supplied:				
17_40mL Amber Vial (pre	17_40mL Amber Vial (pre			

Released By	Date	Received By	Date
MKBurns	11/7/07	[illegible]	11/08/07 10:30

0.0°C

Login Sample Receipt Check List

Client: Envirochem Laboratories

Job Number: 400-26179-1

Login Number: 26179
Creator: Chea, Vanda
List Number: 1

List Source: TestAmerica Pensacola

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	0.0°C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

SiREM Site Recovery & Management
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130 Research Lane, Suite 2
Guelph, Ontario N1G 5G3
Phone (519) 822-2265
Fax (519) 822-3151

Certificate of Analysis: Quantitative Gene-Trac *Dehalococcoides* Assay

Customer: Hal Wood,
Southern Earth Sciences, Inc.

SiREM Reference: S-1162

Project: Coliseum Boulevard Plume

Report Issued: 23-Nov-07

Customer Reference: C-06-401

Data Files: DHC-UP-0398/QPCR-0294
QPCR check-gel-0205

Table 1: Test Results

Customer Sample ID	SiREM Sample ID	Sample Collection Date	Sample Matrix	Percent Dhc [A]	*Dehalococcoides* Ennumeration [B]
PH 160	DHC-3445	4-Nov-07	Groundwater	NA(1)	ND(2)
PH 159	DHC-3446	6-Nov-07	Groundwater	NA(1)	ND(3)
Field Blank	DHC-3447	4-Nov-07	Groundwater	NA(1)	ND(4)

Notes:

[A] Percent *Dehalococcoides* (Dhc) in microbial population. This value is calculated by dividing the number of Dhc 16S ribosomal ribonucleic acid (rRNA) gene copies by the total number of bacteria as estimated by the mass of DNA extracted from the sample. Range represents normal variation in Dhc enumeration.

[B] Based on quantification of Dhc 16S rRNA gene copies. Dhc are generally reported to contain one 16S rRNA gene copy per cell; therefore, this number is often interpreted to represent the number of Dhc cells present in the sample.

[1] Not applicable as *Dehalococcoides* not detected.
[2] Not detected. The sample specific quantitation limit is 7×10^{3}/liter.
[3] Not detected. The sample specific quantitation limit is 2×10^{4}/liter.
[4] Not detected. The sample specific quantitation limit is 4×10^{3}/liter.

Analyst: J. Wilkinson
Jennifer Wilkinson
Biotechnology Technologist

Approved: Ximena Druar
Ximena Druar, B.Sc.
Molecular Biology Coordinator

Table 2: Detailed Test Parameters, GeneTrac Test Reference S-1162

Customer Sample ID	PH 160	PH 159	Field Blank
SiREM Test ID	DHC-3445	DHC-3446	DHC-3447
Date Received	8-Nov-07	8-Nov-07	8-Nov-07
Sample Temperature	8.9 ˚C	8.9 ˚C	8.9 ˚C
Volume Used for DNA Extraction	300 mL	100 mL	500 mL
DNA Extraction Date	13-Nov-07	13-Nov-07	13-Nov-07
DNA Concentration in Sample (extractable)	3520 ng/L	10690 ng/L	1426 ng/L
Extracted DNA Quality Test (universal PCR primers)	Passed	Passed	Passed
Secondary DNA Purification	NR	NR	NR
qPCR Analysis Date	20-Nov-07	20-Nov-07	20-Nov-07
qPCR Controls (see Table 3)	Passed	Passed	Passed
Comments	- -	- -	- -

Notes:

Refer to Table 3 for detailed results of controls.
NR = not required
ND = not detected
°C = degrees Celsius

PCR = polymerase chain reaction
qPCR = quantitative PCR
Dhc = *Dehalococcoides*

ng/L = nanograms per liter
mL = milliliters
DNA = Deoxyribonucleic acid

Table 3: Experimental Control Results, Gene-Trac Test Reference S-1162

Laboratory Control	Analysis Date	Control Description	Spiked Dhc 16S rRNA Gene Copies per Reaction	Recovered Dhc 16S rRNA Gene Copies per Reaction	Comments
Positive Control Low Concentration	20-Nov-07	qPCR with cloned Dhc gene (9.13×10^5 copies)	9.13×10^5	1.21×10^6	Normal[1]
Positive Control High Concentration	20-Nov-07	qPCR with cloned Dhc gene (9.13×10^7 copies)	9.13×10^7	1.02×10^8	Normal[1]
DNA Extraction Blank	20-Nov-07	DNA extraction sterile water (DB-0672)	0	ND	Normal
Negative Control	20-Nov-07	Tris Reagent Blank	0	ND	Normal

Notes:

[1] Within defined limits of +/- 50%

Dhc = *Dehalococcoides*

DNA = Deoxyribonucleic acid

ND = not detected

qPCR = quantitative PCR

16S rRNA = 16S ribosomal ribonucleic acid

Chain-of-Custody Form

SiREM Site Recovery & Management

130 Research Lane, Suite 2 · Guelph, Ontario, Canada N1G 5G3 · Phone (519) 822-2265 or toll free 1-866-251-1747 Fax (519) 822-3151

www.siremlab.com

№ 1441 Lab # 51162

Page 1 of 1

Project Name	Coliseum Boulevard Plume
Project #	C-06-401
Project Manager	Hal Wood
Email Address	HWood@soearth.com
Company	Southern Earth Sciences, Inc. (SESI)
Address	1412 I-85 Parkway, Montgomery, AL 36106
Phone #	334-260-6227
Fax #	334-260-6229
Sampler's Signature	[signature]
Sampler's Printed Name	Will McBryde

Analysis

Preservative: NONE

Gene Trace Method 1

Preservative Key: 0. None 1. HCL 2. Other ___ 3. Other ___ 4. Other ___ 5. Other ___ 6. Other ___

Client Sample ID	Lab ID	Sampling Date	Sampling Time	Matrix	# of Containers	Gene Trace Method 1	Other Information
~~PH 159~~		~~11.4.07~~	~~1545~~		~~1~~		
PH 160		11.4.07	1545	GW	1	1	
PH 159		11.6.07	1700	GW	1	1	
Field Blank		11.4.07	1500	AQ	1	1	

Sample Receipt

Cooler Condition: Good

Cooler Temperature: 8.9°C

Custody Seals: Yes ☐ No ☒

Invoice Information

P.O. # C-06-401

Bill To: SESI attn: Hal Wood

1412 I-85 Parkway, Montgomery, AL 36106

Quotation #

For Lab Use Only

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: [signature]	Signature: [signature]	Signature	Signature	Signature	Signature
Printed Name: Will McBryde	Printed Name: D. Nespoli	Printed Name	Printed Name	Printed Name	Printed Name
Firm: SESI	Firm: SiREM	Firm	Firm	Firm	Firm
Date/Time: 11/07/07 1030	Date/Time: Nov 8 '07 1:10pm	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

In the absence of an executed agreement, submission of samples to SiREM implies consent for performance of analyses specified on this Chain-of-Custody form and agreement with the terms and conditions of the SiREM Laboratory Services Agreement. The entity submitting samples shall be responsible for payment in full for said analyses.