

**SUMMARY REPORT FOR
THE OCTOBER 2006 SAMPLING EVENT**

*INVESTIGATION OF
“LOW-LYING AREAS”*

**Coliseum Boulevard
Plume Site
Montgomery, Alabama**



APRIL 2007

Submitted to:

**The Alabama Department of Environmental Management
Montgomery, Alabama**



**SUMMARY REPORT FOR THE
OCTOBER 2006
SAMPLING EVENT**

**INVESTIGATION OF
"LOW-LYING AREAS"**

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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). The investigation is comprised of four general investigative areas: 1) the Kilby Ditch, 2) the Probehole 12 area, 3) Low-Lying Areas, and 4) Site-Wide. This report contains results of samples of sediment and surface water collected from the Low-Lying Areas on during the 2006 4th Quarter Event.

The Low-Lying Areas consist of three (3) different areas. Each of the Low-Lying Areas are located downstream (north) and/or east 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 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. Based on recent site reconnaissance, it has been noted that 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 2006 sampling event.

Summary Report for
1st Quarter 2007 Sampling Event
Coliseum Boulevard Plume Site
Montgomery, Alabama

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October 2006A.doc



SUMMARY REPORT FOR THE OCTOBER 2006 SAMPLING EVENT

INVESTIGATION OF "LOW-LYING AREAS"

Sample Collection

On October 4, 2006, three (3) locations (locations N through P) were sampled for sediments and surface-water (see Table 1 and Figure 2).

A hand auger was used to collect sediment samples at locations N through P on October 4, 2006. A duplicate sample at location O was also collected on October 4, 2006. Sediment samples 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. These sediment samples were collected approximately 9 inches below ground surface (BGS).

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). Samples were collected at locations N, O, and P on October 4, 2006. A duplicate sample was also collected at location O on October 4, 2006.

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.

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 2006 sampling event are shown on in Figures 3 (sediment results) and 4 (surface water results).

Sediment

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During this event, sediment samples collected at all locations contained TCE concentrations of <5 micrograms per kilogram ($\mu\text{g}/\text{kg}$). Methylene Chloride was detected in sediment samples collected at locations N, O and P at concentrations of 32 $\mu\text{g}/\text{kg}$, 29 $\mu\text{g}/\text{kg}$, and 41 $\mu\text{g}/\text{kg}$, respectively. Please note that Methylene Chloride is considered to have been present in the laboratory during the analysis of the samples. Laboratory reports are included in the Attachment.

Surface Water

During the October 2006 sampling event, TCE concentrations were reported for two of the surface water sample locations (N and P) sampled. TCE was not detected in any location where TCE has not been detected during previous sampling events (O). Detected concentrations of TCE ranged from 3 $\mu\text{g}/\text{l}$ (micrograms per liter) at sample location N to 6 $\mu\text{g}/\text{l}$ at sample location P. Concentrations of TCE in locations N and P decreased from the previous event. Cis-1,2-dichloroethene was reported at location O at a concentration of 15 $\mu\text{g}/\text{l}$. Vinyl Chloride was reported at location O at a concentration of 2 $\mu\text{g}/\text{l}$. Laboratory reports are included in the Attachment.

Preliminary Ecological Screening

A screening evaluation was conducted to determine if an Ecological Risk Assessment should be performed in the Low-Lying Areas. A preliminary ecological screening has been performed using the maximum sediment and surface water concentrations reported from the fifteen (November 15 and 16, 2001, February 13 and 14, 2002, May 22, 2002, September 17, 2002, October 31, 2002, January 14, 2003, July 21, 2003, January 29, 2004, July 26, 2004, October 20, 2004, January 31, 2005, May 4, 2005, July 21, 2005, October 27, 2005, January 26, 2006, April 19, 2006a and July 25, 2006) sampling events. Table 3 compares ecological screening values for the constituents of concern in this investigation to the maximum VOC concentrations detected in the sediment and surface water of the Low-Lying Areas.

The screening values for TCE in sediment were obtained from the U. S. EPA Bulletin, Region III BTAG Screening Levels, 1995. An ecological screening value could not be obtained for vinyl chloride in sediment from the document, therefore, the screening value for vinyl chloride in soil was used from the U. S. EPA Bulletin, Region III BTAG Screening Levels, 1995 document. Ecological screening values for cis-1,2-dichloroethene and trans-1,2-dichloroethene were not available for sediment or soil from either of the 1995 EPA Bulletin documents. No soil or sediment screening values were

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available from the ADEM (Alabama Department of Environmental Management) or from the EPA Region IV. Benzene, toluene, ethyl benzene, m, p-xylenes, o-xylene, trichlorofluoromethane, and methylene chloride have not been identified as constituents of concern for this investigation and, therefore, were not considered for the screening.

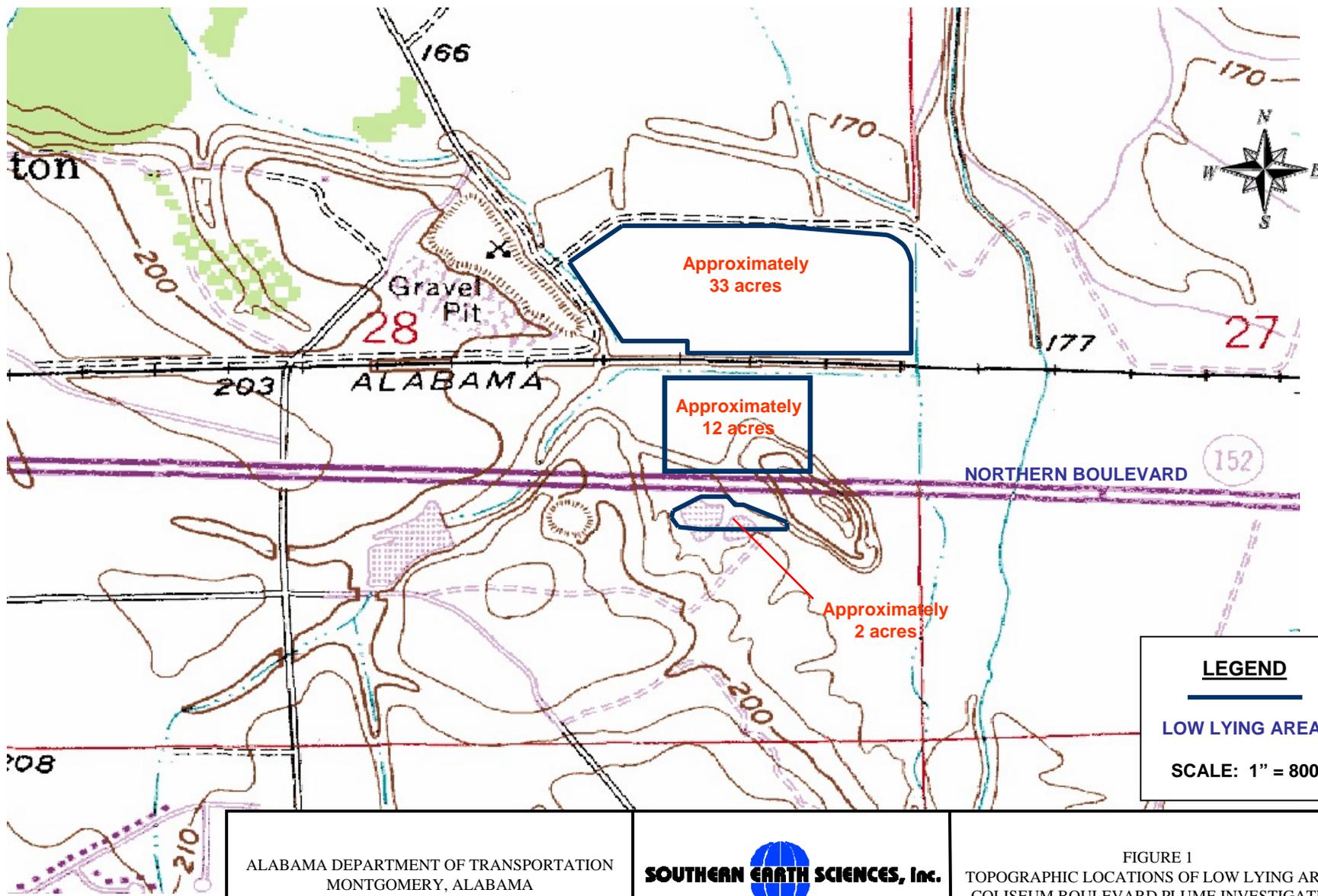
The screening values used for the surface water evaluation were calculated using equation 19 and information in Table 1 from the ADEM, Water Division - Water Quality Program; July 14, 1999, Revision; Toxic Pollutant Criteria; 335-6-10-.07. Toluene and methylene chloride were not compared to a screening value because neither compound has been identified as a constituent of concern for this investigation. Screening values are not available for chloromethane and cis-1,2-dichloroethene.

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

Recommendations

The ALDOT recommends continuing the annual monitoring for locations A through P, semi-annual monitoring for locations I through P, and quarterly monitoring for locations N through P in the Low-Lying Areas.

FIGURES



ALABAMA DEPARTMENT OF TRANSPORTATION
MONTGOMERY, ALABAMA

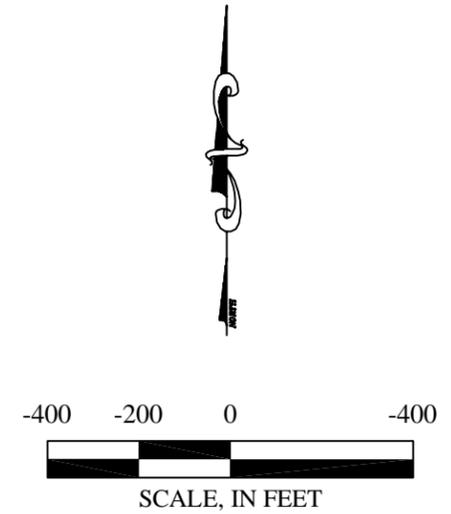
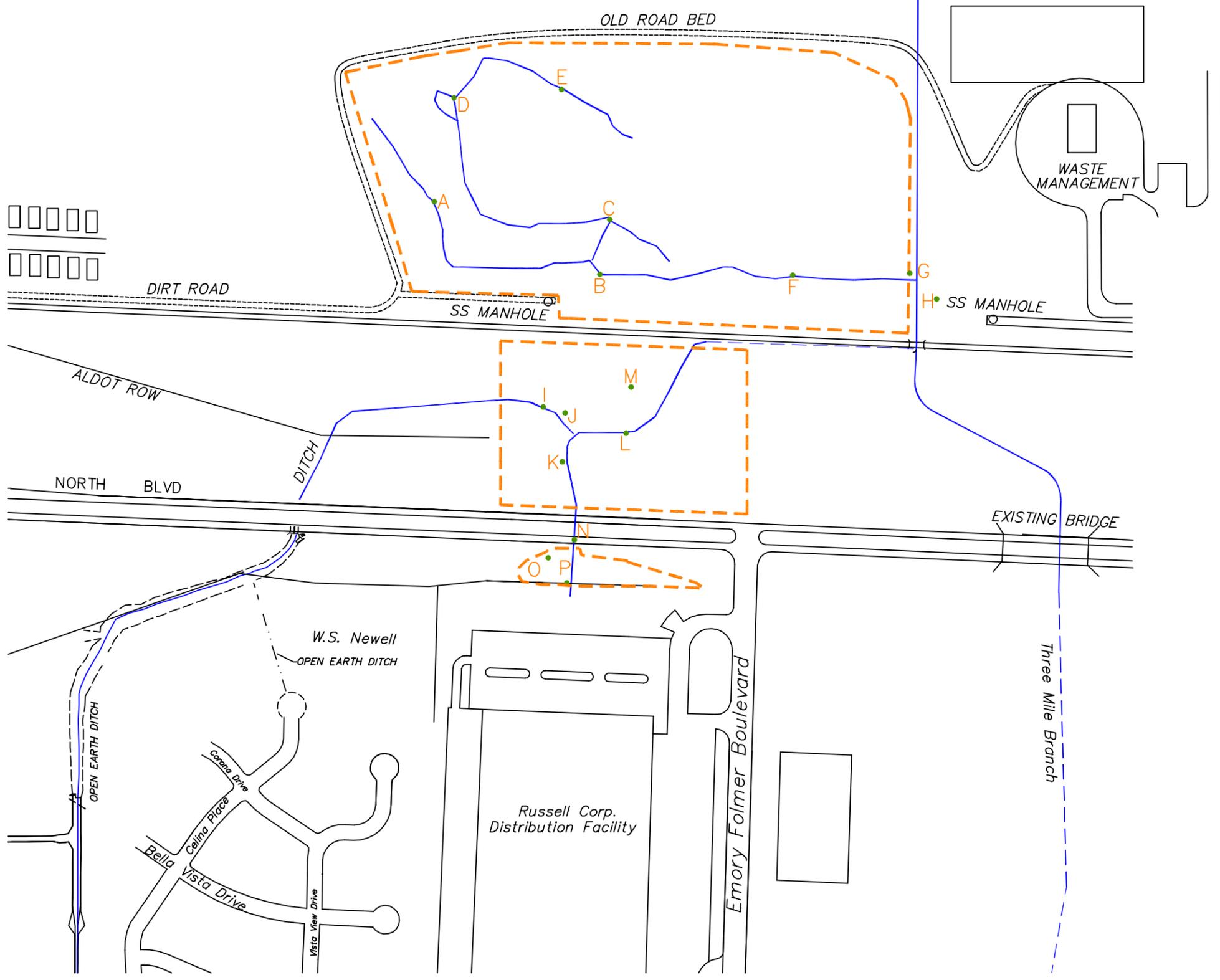
Source: Montgomery North, Alabama USGS
7.5 Minute Topographic Map [1958 (Photorevised 1988)]

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FIGURE 1
TOPOGRAPHIC LOCATIONS OF LOW LYING AREAS
COLISEUM BOULEVARD PLUME INVESTIGATION
MONTGOMERY, ALABAMA
SESI JOB #M-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.



LEGEND

- Boundary of Low Lying Area
- Sample location and Identifier
- Approximate locations of intermittent streams

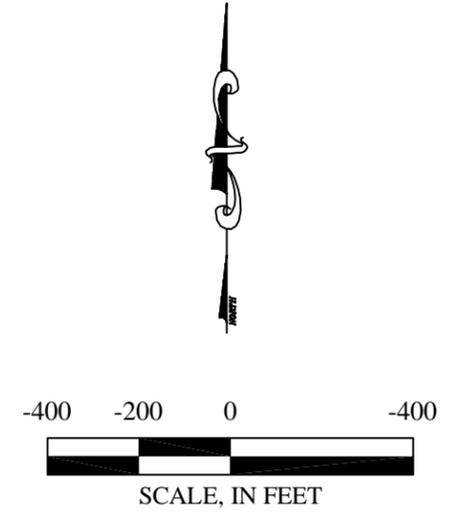
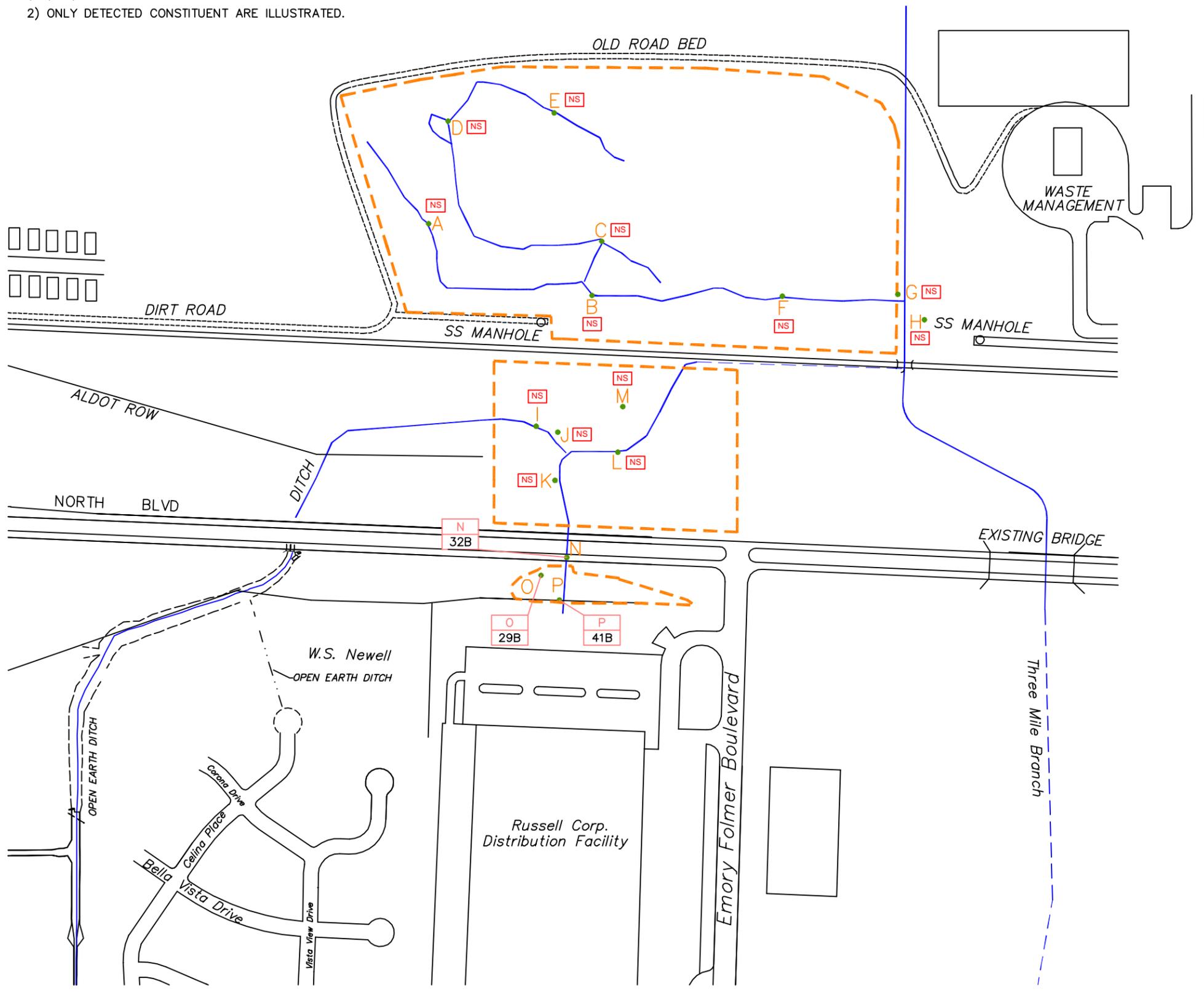
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ALABAMA DEPARTMENT OF TRANSPORTATION
COLISEUM BOULEVARD PLUME INVESTIGATION

FIGURE 2 - SAMPLE LOCATIONS AND IDENTIFIERS
LOW-LYING AREAS
OCTOBER 2006 SAMPLING EVENT
SE.SI IOR # M06-401

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



LEGEND

- NS Not Sampled
- Boundary of Low Lying Area
- M • Sample location and Identifier
- Approximate locations of intermittent streams
- N
<5 SAMPLE LOCATION
METHYLENE CHLORIDE in ug/kg
- B - CONSTITUENT DETECTED IN LABORATORY BLANK

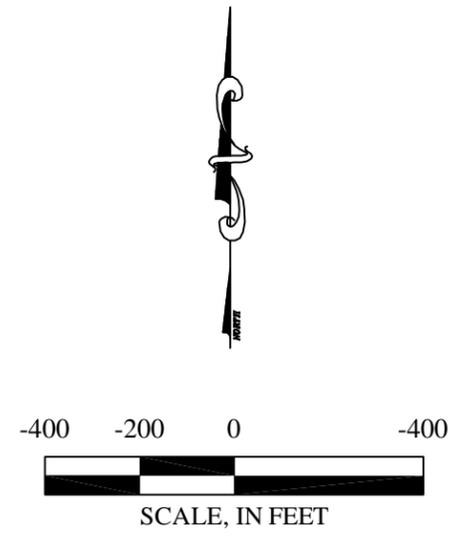
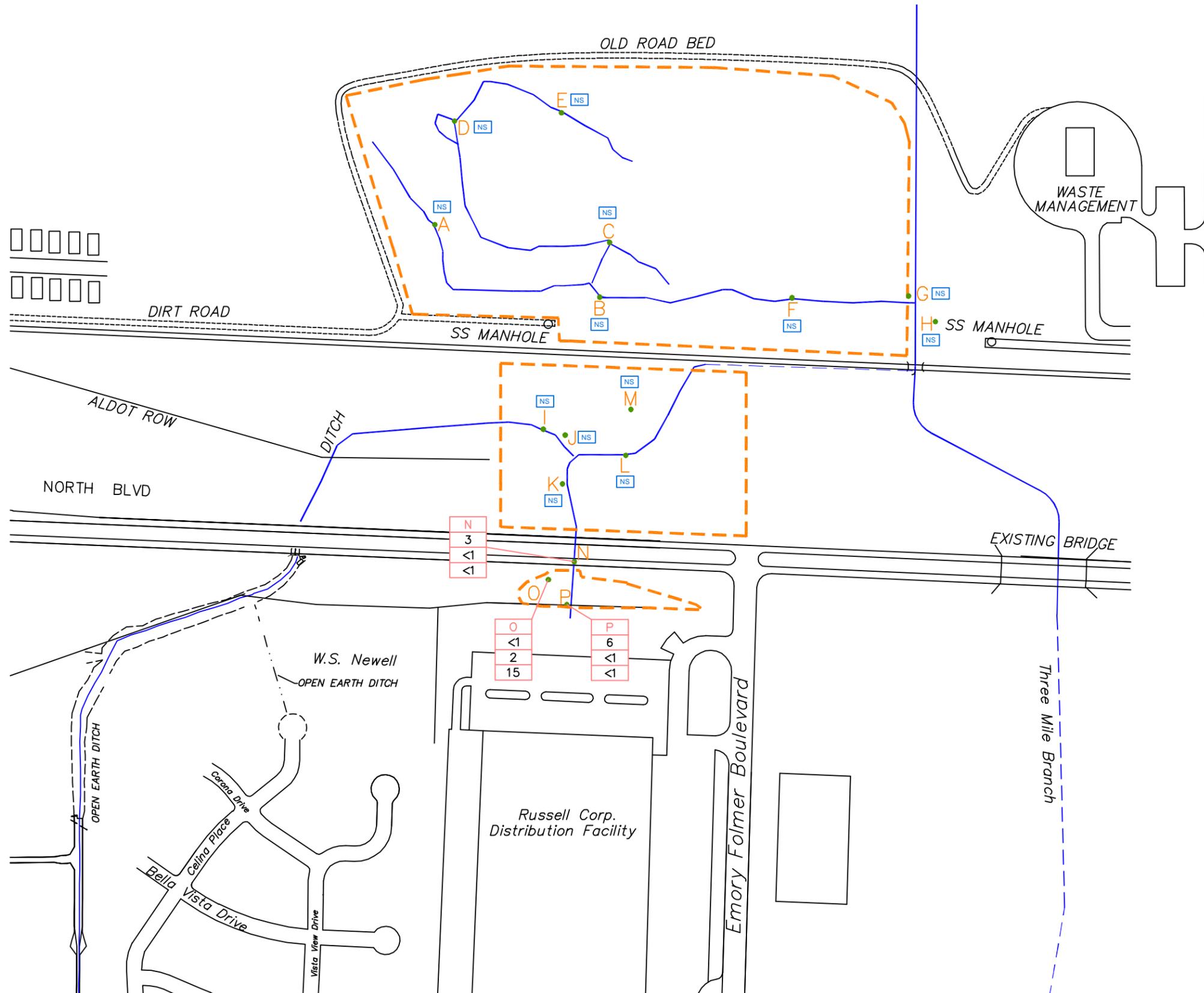
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COLISEUM BOULEVARD PLUME INVESTIGATION

FIGURE 3 - SEDIMENT SAMPLES
COLLECTED FROM LOW LYING AREAS
OCTOBER 2006 SAMPLING EVENT
SE.SI JOB # M06-401

ED ARE IN MICROGRAMS PER LITER
 (UG/L) OR PARTS PER BILLION EQUIVALENT.
 2) ONLY DETECTED CONSTITUENT ARE ILLUSTRATED.



LEGEND

- NS Not Sampled
- Boundary of Low Lying Area
- M • Sample location and Identifier
- Approximate locations of intermittent streams

N	SAMPLE LOCATION
3	TRICHLOROETHENE in ug/L
<1	VINYL CHLORIDE in ug/L
<1	cis-1,3-DICHLOROETHENE in ug/L

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FIGURE 4 - SURFICIAL WATER SAMPLES
 COLLECTED FROM LOW LYING AREAS
 OCTOBER 2006 SAMPLING EVENT
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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"; October 2006 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in sediment/soil samples are shown on Figure 3.]

Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	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)]									
			µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³
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 ³	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
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
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
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

Table continued on next page

Table 2a. Concentrations of detected volatile organic compounds (VOCs)¹ in samples of sediment from the "Low-Lying Areas"; October 2006 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in sediment/soil samples are shown on Figure 3.]

Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	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)]										
			µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	
M	11/16/01	10	ND	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	ND
	5/22/02	8	ND	ND	ND	ND	ND	ND	3.3J	3.0J	ND	ND	ND
	9/17/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	6	ND	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)	ND (<1.3)
	7/29/03 ¹¹	8	ND	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	ND
	1/31/05	8	ND	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	ND
	7/25/06	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	11/15/01	3	50.6J ⁴	ND ⁵	ND	ND	ND	ND	6.6J	16.4J	ND	ND	ND
	2/13/02	9	ND	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	ND
	9/17/02 ⁸	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-dup ⁷	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/31/02	12	ND	ND	ND	ND	ND	ND	ND	3.2J	ND	ND	ND	
N	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)	ND (<1.2)
	7/21/03	2	3.6J	ND	3.0J	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	5.3J	ND	3.2J	ND	ND	ND
	7/26/04	8	ND	ND	ND	ND	ND	7.0J	ND	5.1J	ND	ND	ND
	10/20/04	8	ND	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	ND
N	5/4/05	8	ND	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	ND
N	7/21/05	8	ND	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	ND
N	10/27/05	8	ND	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	ND
	4/19/06	9	ND	ND	ND	ND	ND	ND	ND	11.8J	ND	ND	ND
N-dup	4/19/06	9	ND	ND	ND	ND	ND	ND	14.7J	ND	ND	ND	
N	7/25/06	8	ND	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	ND
N	10/4/06	8	<5	<5	<5	<5	<5	<5	<5	32 B ²	<5	<5	<5

Table 2a. Concentrations of detected volatile organic compounds (VOCs)¹ in samples of sediment from the "Low-Lying Areas"; October 2006 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in sediment/soil samples are shown on Figure 3.]

Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	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)]										
			µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	µg/kg ³	
O	11/15/01	3	ND	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	ND
	5/22/02	8	ND	ND	ND	ND	ND	ND	ND	4.8J	4.0J	5.7J	ND
	9/17/02 ⁵	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	12	ND	ND	35.1	ND	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)	ND (<1.6)
	7/21/03	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	750	18.8J	ND	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	ND	5.5J	ND	ND
	4/14/04 ¹⁰	8-12	ND	3.4J	3.9J	ND	ND	ND	ND	ND	6.1J	ND	ND
	7/26/04	12	ND	3.9J	ND	ND	ND	31.4J	ND	ND	12.1J	ND	6.8J
	10/20/04	10	54.4	5.6J	ND	ND	ND	ND	ND	ND	4.5J	ND	ND
	1/31/05	10	ND	3.9J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/4/05	8	16.8J	370	5.9J	ND	ND	ND	3.1J	ND	8.3J	ND	ND
	7/21/05	8	ND	4.1J	ND	ND	ND	ND	ND	ND	4.0J	ND	ND
	10/27/05	8	ND	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	ND
	4/19/06	10	ND	ND	ND	ND	ND	ND	ND	6.1J	ND	ND	ND
	7/25/06	8	10.1J	174	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/4/06	8	<5	<5	<5	<5	<5	<5	29 B ²	<5	<5	<5	<5
O-dup	10/4/06	8	<5	<5	<5	<5	<5	<5	26 B ²	<5	<5	<5	
P	11/15/01	2	ND	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	ND
	5/22/02	11	7.0J	ND	ND	ND	ND	ND	6.7J	ND	ND	ND	ND
	9/17/02 ⁵	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	8	ND	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)	ND (<1.1)
	7/21/03	8	ND	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	ND
	7/26/04	12	ND	ND	ND	ND	ND	5.5J	ND	3.9J	ND	ND	ND
	10/20/04	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/31/05	10	ND	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	ND
	7/21/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/27/05	8	ND	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	ND
	4/19/06	10	ND	ND	ND	ND	ND	ND	ND	9.6J	ND	ND	ND
	7/25/06	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/4/06	8	<5	<5	<5	<5	<5	<5	<5	41 B ²	<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 2006 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 4.]

		Surface Water Lab Results					
Sample Identifier	Sample Date	Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride ²	Toluene
		[Concentrations are in micrograms per liter (µg/l)]					
		µg/l ³	µg/l ³	µg/l ³	µg/l ³	µg/l ³	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
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	
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
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	
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	

Table 2b. Concentrations of detected volatile organic compounds (VOCs) ¹ in samples of surface water from the "Low-Lying Areas"; October 2006 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 4.]

		Surface Water Lab Results					
Sample Identifier	Sample Date	Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride ²	Toluene
		[Concentrations are in micrograms per liter (µg/l)]					
		µg/l ³	µg/l ³	µg/l ³	µg/l ³	µg/l ³	µg/l ³
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	3.0	<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

Table 2b. Concentrations of detected volatile organic compounds (VOCs) ¹ in samples of surface water from the "Low-Lying Areas"; October 2006 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)]					
		µg/l ³	µg/l ³	µg/l ³	µg/l ³	µg/l ³	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	6.0	<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 3. Preliminary ecological screening of constituents of concern for Coliseum Boulevard Plume Site in sediments and surface water; "Low-Lying Areas" Investigation: Coliseum Blvd. Plume Site: Montgomery, Alabama.

Sediment	Soil Screening Level* (ppb)¹	Maximum Concentration Reported November 2001 through January 2006 (µg/kg)²	Date of Maximum Concentration	Sample Location	Depth of Sample (inches)	Exceeds Screening Value
Trichloroethylene	300 ³	750/104 ⁴	1/29/04 and 3/9/2004	O	15	Yes/Yes
Cis-1,2-Dichloroethene	NA ⁵	486	April 14, 2004	O-West, 1	8 -12	NA
Trans-1,2-Dichloroethene	NA ⁵	25.9J ⁶	April 14, 2004	O-West, 1	8 -12	NA
Vinyl Chloride	300	51.0J	January 26, 2006	O	8	NA
Aqueous	Aqueous Screening Level*	(µg/L)⁷				
Trichloroethylene	175 ⁸	43.2	January 14, 2003	P	NA	No
Cis-1,2-Dichloroethene	NA ⁸	18.2J	January 31, 2005	O	NA	NA
Vinyl Chloride	1,167	4.8J	October 31, 2002	O	NA	No
Chloromethane	NA ⁸	4.5J	January 29, 2004	O	NA	NA

* Soil and aqueous screening levels will be revised during the upcoming Risk Assessment for the Low-Lying Areas.

¹ The screening levels were reported in ppb (parts per billion) or µg/kg (micrograms per kilogram)

² MDL = Method Detection Limit 3.0 µg/kg (micrograms per kilogram) for the sediment laboratory analyses

³ The soil screening values were obtained from the U. S. EPA Document, Region III, BTAG Screening Levels, 1995.

Soil screening values were used although sediment samples were collected; as sediment screening values are not available from Regions III or IV.

⁴ Based on the January 14, 2004 results, a confirmation sample was collected on March 9, 2004

⁵ NA = Not Available; a screening value for this compound is not available.

⁶ 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.

⁷ MDL = Method Detection Limit of 1.0 micrograms per liter for the aqueous laboratory analyses.

⁸ Alabama Department of Environmental Management, Water division - Water Quality Program - Revised Effective: July 14, 1999, Toxic Pollutant Criteria - Fish Consumption; 335-6-10-.07

ATTACHMENT

To: Southern Earth Sciences, Inc.
 762 Downtowner Loop West
 Mobile, Alabama 36609

Report Date: 11/21/2006
 Project No.: 06-401
 Project: ALDOT-Coliseum Blvd. Plume



Location	Log No.	Sample Date	Sampler	Matrix	Test Date	Units	RL	Test	Result Flag
Volatile Organic Compounds - EPA 8260									
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water	10/7/2006 4:01:00 AM	ug/l	MB 1	Chloromethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Vinyl chloride	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Chloroethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Trichlorofluoromethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,1-Dichloroethene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Methylene chloride	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	trans-1,2-Dichloroethene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,1-Dichloroethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	cis-1,2-Dichloroethene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Chloroform	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,1-Trichloroethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Carbon tetrachloride	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Benzene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,2-Dichloroethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Trichloroethene	3
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,2-Dichloropropane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Bromodichloromethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	cis-1,3-Dichloropropene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Toluene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	trans-1,3-Dichloropropene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,2-Trichloroethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Tetrachloroethene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Dibromochloromethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Chlorobenzene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,1,2-Tetrachloroethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Ethylbenzene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	m&p-Xylene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	o-Xylene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	Bromoform	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,2,2-Tetrachloroethane	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,3-Dichlorobenzene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,4-Dichlorobenzene	<1
SITE-N	39384-017	10/4/2006 6:06:00 PM	EC1/KM	Surface Water		ug/l	1	1,2-Dichlorobenzene	<1

To: Southern Earth Sciences, Inc.
 762 Downtowner Loop West
 Mobile, Alabama 36609

Report Date: 11/21/2006
 Project No.: 06-401
 Project: ALDOT-Coliseum Blvd. Plume



Location	Log No.	Sample Date	Sampler	Matrix	Test Date	Units	RL	Test	Result Flag
Volatile Organic Compounds - EPA 8260									
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment	10/7/2006 2:12:00 PM	ug/kg MS	5	Chloromethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Vinyl chloride	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Chloroethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Trichlorofluoromethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,1-Dichloroethene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Methylene chloride	32 B
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	trans-1,2-Dichloroethene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,1-Dichloroethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	cis-1,2-Dichloroethene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Chloroform	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,1,1-Trichloroethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Carbon tetrachloride	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Benzene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,2-Dichloroethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Trichloroethene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,2-Dichloropropane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Bromodichloromethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	cis-1,3-Dichloropropene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Toluene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	trans-1,3-Dichloropropene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,1,2-Trichloroethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Tetrachloroethene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Dibromochloromethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Chlorobenzene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,1,1,2-Tetrachloroethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Ethylbenzene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	m&p-Xylene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	o-Xylene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	Bromoform	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,1,2,2-Tetrachloroethane	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,3-Dichlorobenzene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,4-Dichlorobenzene	<5
SITE-N	39384-018	10/4/2006 6:06:00 PM	EC1/KM	Sediment		ug/kg	5	1,2-Dichlorobenzene	<5

To: Southern Earth Sciences, Inc.
 762 Downtowner Loop West
 Mobile, Alabama 36609

Report Date: 11/21/2006
 Project No.: 06-401
 Project: ALDOT-Coliseum Blvd. Plume



Location	Log No.	Sample Date	Sampler	Matrix	Test Date	Units	RL	Test	Result Flag
Volatile Organic Compounds - EPA 8260									
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water	10/7/2006 4:37:00 AM	ug/l	MB 1	Chloromethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Vinyl chloride	2
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Chloroethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Trichlorofluoromethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,1-Dichloroethene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Methylene chloride	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	trans-1,2-Dichloroethene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,1-Dichloroethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	cis-1,2-Dichloroethene	15
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Chloroform	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,1-Trichloroethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Carbon tetrachloride	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Benzene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,2-Dichloroethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Trichloroethene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,2-Dichloropropane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Bromodichloromethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	cis-1,3-Dichloropropene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Toluene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	trans-1,3-Dichloropropene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,2-Trichloroethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Tetrachloroethene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Dibromochloromethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Chlorobenzene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,1,2-Tetrachloroethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Ethylbenzene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	m&p-Xylene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	o-Xylene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	Bromoform	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,2,2-Tetrachloroethane	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,3-Dichlorobenzene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,4-Dichlorobenzene	<1
SITE-O	39384-019	10/4/2006 5:50:00 PM	EC1/KM	Surface Water		ug/l	1	1,2-Dichlorobenzene	<1

To: Southern Earth Sciences, Inc.
 762 Downtowner Loop West
 Mobile, Alabama 36609

Report Date: 11/21/2006
 Project No.: 06-401
 Project: ALDOT-Coliseum Blvd. Plume



Location	Log No.	Sample Date	Sampler	Matrix	Test Date	Units	RL	Test	Result	Flag
Volatile Organic Compounds - EPA 8260										
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment	10/15/06 12:00 PM	ug/kg	MB 5	Chloromethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Vinyl chloride	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Chloroethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Trichlorofluoromethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,1-Dichloroethene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Methylene chloride	29	B
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	trans-1,2-Dichloroethene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,1-Dichloroethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	cis-1,2-Dichloroethene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Chloroform	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,1-Trichloroethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Carbon tetrachloride	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Benzene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,2-Dichloroethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Trichloroethene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,2-Dichloropropane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Bromodichloromethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	cis-1,3-Dichloropropene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Toluene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	trans-1,3-Dichloropropene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,2-Trichloroethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Tetrachloroethene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Dibromochloromethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Chlorobenzene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,1,2-Tetrachloroethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Ethylbenzene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	m&p-Xylene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	o-Xylene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	Bromoform	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,2,2-Tetrachloroethane	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,3-Dichlorobenzene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,4-Dichlorobenzene	<5	
SITE-O	39384-020	10/4/2006 5:50:00 PM	ECI/KM	Sediment		ug/kg	5	1,2-Dichlorobenzene	<5	

To: Southern Earth Sciences, Inc.
 762 Downtowner Loop West
 Mobile, Alabama 36609

Report Date: 11/21/2006
 Project No.: 06-401
 Project: ALDOT-Coliseum Blvd. Plume



Location	Log No.	Sample Date	Sampler	Matrix	Test Date	Units	RL	Test	Result Flag
Volatile Organic Compounds - EPA 8260									
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water	10/15/2006 10:50:00 AM	ug/l	MB 1	Chloromethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Vinyl chloride	3
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Chloroethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Trichlorofluoromethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,1-Dichloroethene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Methylene chloride	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	trans-1,2-Dichloroethene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,1-Dichloroethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	cis-1,2-Dichloroethene	12
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Chloroform	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,1-Trichloroethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Carbon tetrachloride	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Benzene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,2-Dichloroethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Trichloroethene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,2-Dichloropropane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Bromodichloromethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	cis-1,3-Dichloropropene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Toluene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	trans-1,3-Dichloropropene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,2-Trichloroethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Tetrachloroethene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Dibromochloromethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Chlorobenzene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,1,2-Tetrachloroethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Ethylbenzene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	m&p-Xylene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	o-Xylene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	Bromoform	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,1,2,2-Tetrachloroethane	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,3-Dichlorobenzene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,4-Dichlorobenzene	<1
SITE-O DUP.	39384-023	10/4/2006 5:55:00 PM	EC1/KM	Surface Water		ug/l	1	1,2-Dichlorobenzene	<1

To: Southern Earth Sciences, Inc.
 762 Downtowner Loop West
 Mobile, Alabama 36609

Report Date: 11/21/2006
 Project No.: 06-401
 Project: ALDOT-Coliseum Blvd. Plume



Location	Log No.	Sample Date	Sampler	Matrix	Test Date	Units	RL	Test	Result Flag
<i>Volatile Organic Compounds - EPA 8260</i>									
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment	10/15/2006 12:35:00 PM	ug/kg MB	5	Chloromethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Vinyl chloride	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Chloroethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Trichlorofluoromethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,1-Dichloroethene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Methylene chloride	26 B
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	trans-1,2-Dichloroethene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,1-Dichloroethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	cis-1,2-Dichloroethene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Chloroform	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,1-Trichloroethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Carbon tetrachloride	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Benzene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,2-Dichloroethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Trichloroethene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,2-Dichloropropane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Bromodichloromethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	cis-1,3-Dichloropropene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Toluene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	trans-1,3-Dichloropropene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,2-Trichloroethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Tetrachloroethene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Dibromochloromethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Chlorobenzene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,1,2-Tetrachloroethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Ethylbenzene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	m&p-Xylene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	o-Xylene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	Bromoform	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,2,2-Tetrachloroethane	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,3-Dichlorobenzene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,4-Dichlorobenzene	<5
SITE-O DUP.	39384-024	10/4/2006 5:55:00 PM	ECI/KM	Sediment		ug/kg	5	1,2-Dichlorobenzene	<5

To: Southern Earth Sciences, Inc.
 762 Downtowner Loop West
 Mobile, Alabama 36609

Report Date: 11/21/2006
 Project No.: 06-401
 Project: ALDOT-Coliseum Blvd. Plume



Location	Log No.	Sample Date	Sampler	Matrix	Test Date	Units	RL	Test	Result Flag
Volatile Organic Compounds - EPA 8260									
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water	10/7/2006 5:13:00 AM	ug/l	MB 1	Chloromethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Vinyl chloride	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Chloroethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Trichlorofluoromethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,1-Dichloroethene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Methylene chloride	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	trans-1,2-Dichloroethene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,1-Dichloroethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	cis-1,2-Dichloroethene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Chloroform	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,1-Trichloroethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Carbon tetrachloride	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Benzene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,2-Dichloroethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Trichloroethene	6
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,2-Dichloropropane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Bromodichloromethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	cis-1,3-Dichloropropene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Toluene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	trans-1,3-Dichloropropene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,2-Trichloroethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Tetrachloroethene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Dibromochloromethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Chlorobenzene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,1,2-Tetrachloroethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Ethylbenzene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	m&p-Xylene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	o-Xylene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	Bromoform	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,2,2-Tetrachloroethane	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,3-Dichlorobenzene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,4-Dichlorobenzene	<1
SITE-P	39384-021	10/4/2006 4:45:00 PM	ECI/KM	Surface Water		ug/l	1	1,2-Dichlorobenzene	<1

To: Southern Earth Sciences, Inc.
 762 Downtowner Loop West
 Mobile, Alabama 36609

Report Date: 11/21/2006
 Project No.: 06-401
 Project: ALDOT-Coliseum Blvd. Plume



Location	Log No.	Sample Date	Sampler	Matrix	Test Date	Units	RL	Test	Result Flag
Volatile Organic Compounds - EPA 8260									
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment	10/7/2006 3:23:00 PM	ug/kg MB	5	Chloromethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Vinyl chloride	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Chloroethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Trichlorofluoromethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,1-Dichloroethene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Methylene chloride	41 B
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	trans-1,2-Dichloroethene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,1-Dichloroethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	cis-1,2-Dichloroethene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Chloroform	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,1-Trichloroethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Carbon tetrachloride	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Benzene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,2-Dichloroethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Trichloroethene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,2-Dichloropropane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Bromodichloromethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	cis-1,3-Dichloropropene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Toluene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	trans-1,3-Dichloropropene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,2-Trichloroethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Tetrachloroethene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Dibromochloromethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Chlorobenzene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,1,2-Tetrachloroethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Ethylbenzene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	m&p-Xylene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	o-Xylene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	Bromoform	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,1,2,2-Tetrachloroethane	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,3-Dichlorobenzene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,4-Dichlorobenzene	<5
SITE-P	39384-022	10/4/2006 6:45:00 PM	ECI/KM	Sediment		ug/kg	5	1,2-Dichlorobenzene	<5

To: Southern Earth Sciences, Inc.
 762 Downtowner Loop West
 Mobile, Alabama 36609

Report Date: 11/21/2006
 Project No.: 06-401
 Project: ALDOT-Coliseum Blvd. Plume



Location	Log No.	Sample Date	Sampler	Matrix	Test Date	Units	RL	Test	Result Flag
Volatile Organic Compounds - EPA 8260									
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water	10/7/2006 2:50:00 AM	ug/l	MB 1	Chloromethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Vinyl chloride	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Chloroethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Trichlorofluoromethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,1-Dichloroethene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Methylene chloride	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	trans-1,2-Dichloroethene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,1-Dichloroethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	cis-1,2-Dichloroethene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Chloroform	5
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,1-Trichloroethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Carbon tetrachloride	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Benzene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,2-Dichloroethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Trichloroethene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,2-Dichloropropane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Bromodichloromethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	cis-1,3-Dichloropropene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Toluene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	trans-1,3-Dichloropropene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,2-Trichloroethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Tetrachloroethene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Dibromochloromethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Chlorobenzene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,1,2-Tetrachloroethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Ethylbenzene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	m&p-Xylene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	o-Xylene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	Bromoform	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,2,2-Tetrachloroethane	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,3-Dichlorobenzene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,4-Dichlorobenzene	<1
ZD-1	39384-014	10/4/2006 2:12:00 PM	ECI/KM	Surface Water		ug/l	1	1,2-Dichlorobenzene	<1

To: Southern Earth Sciences, Inc.
 762 Downtowner Loop West
 Mobile, Alabama 36609

Report Date: 11/21/2006
 Project No.: 06-401
 Project: ALDOT-Coliseum Blvd. Plume



Location	Log No.	Sample Date	Sampler	Matrix	Test Date	Units	RL	Test	Result Flag
Volatile Organic Compounds - EPA 8260									
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water	10/7/2006 2:14:00 AM	ug/l	MB 1	Chloromethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Vinyl chloride	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Chloroethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Trichlorofluoromethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,1-Dichloroethene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Methylene chloride	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	trans-1,2-Dichloroethene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,1-Dichloroethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	cis-1,2-Dichloroethene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Chloroform	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,1-Trichloroethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Carbon tetrachloride	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Benzene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,2-Dichloroethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Trichloroethene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,2-Dichloropropane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Bromodichloromethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	cis-1,3-Dichloropropene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Toluene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	trans-1,3-Dichloropropene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,2-Trichloroethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Tetrachloroethene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Dibromochloromethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Chlorobenzene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,1,2-Tetrachloroethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Ethylbenzene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	m&p-Xylene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	o-Xylene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	Bromoform	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,1,2,2-Tetrachloroethane	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,3-Dichlorobenzene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,4-Dichlorobenzene	<1
ZP-1	39384-013	10/4/2006 2:30:00 PM	ECI/KM	Surface Water		ug/l	1	1,2-Dichlorobenzene	<1

Note: Flag "B" indicates contaminant was present in the Lab Blank

Reviewed by: *Susan Maynard*
 EnviroChem, Inc.

Facility Name: ALDOT/Coliseum Blvd Plume Job No: 06-401 Low Lying Area: **M-Water**
M-Soil

Sampling Method:

Date/Time: Personnel: GPS Lat/Lon:

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

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

Sampling Method:

Date/Time: 10/4/06 Personnel: *KN/EG* GPS Lat/Lon:

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

Resampled Soil @ 1345 11/01/06 BN/EG

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

Sampling Method:

Date/Time: 10/4/06 Personnel: *KN/EG* GPS Lat/Lon:

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

Resampled Soil @ 1325 11/01/06 BN/EG

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

Sampling Method:

Date/Time: 10/4/06 Personnel: *KN/EG* GPS Lat/Lon:

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

Resampled Soil @ 1405 11/01/06 BN/EG