

**SUMMARY REPORT FOR  
SAMPLING RESULTS  
FOR JANUARY 31, 2005  
INVESTIGATION OF  
“LOW-LYING AREAS”**

**Coliseum Boulevard  
Plume Investigation**



**March 30, 2005**

**Submitted to:**

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



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JANUARY 31, 2005,  
SAMPLING EVENT**

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**Introduction**

The ALDOT (Alabama Department of Transportation) is investigating the soil and ground-water 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 January 31, 2005.

The Low-Lying Areas consist of three (3) different areas. Each of the Low-Lying Areas are located downstream (north) and/or east from 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 the Northern Boulevard and north of Russell Corporation. Surface water in this area is recharged from Kilby Ditch, storm-water runoff, outfall from Russell Corporation, and a high water table. Between Northern 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 the Northern Boulevard and discharges into a perennial stream that is north of the Northern Boulevard. The perennial stream continues and divides into braided streams that generally flow to the east and north. The stream(s), storm-water run-off, and springs within the Low-Lying Areas provide water into the Low-Lying Areas north of the Northern Boulevard and the railroad tracks.

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 the Northern Boulevard but south of the railroad tracks are monitored semi-annually. Locations N through P are south of the Northern Boulevard and are monitored quarterly.



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This report provides the results for the January 31, 2005, sampling event.

**Sample Collection**

On January 31, 2005, sixteen (16) locations (location A 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 A through P on January 31, 2005. All sediment samples were collected from the hand auger using an EnCore sampler. 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 8 to 10 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.

Sediment and surface-water samples were immediately placed on ice, in a cooler, and shipped to TTL's laboratory in Tuscaloosa, 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 January 31, 2005, sampling event are shown on in Figures 3 (sediment results) and 4 (surface water results).



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***Sediment***

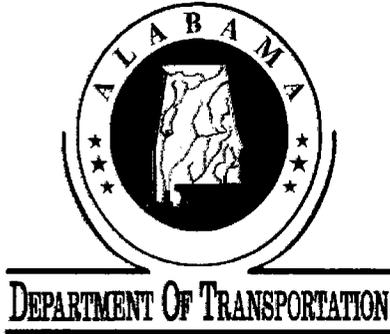
On January 31, 2005, no sediment samples collected at locations A through P contained a detectable concentration of TCE. Cis-1,2-dichloroethene was detected at location O and reported at 3.9J  $\mu\text{g}/\text{kg}$  (a J flag denotes concentrations that were below the laboratory instrument calibration curve, but above the method detection limit). Toluene, a common gasoline constituent, was also detected at locations D and F. Toluene has not been associated with the Coliseum Boulevard Plume site. Laboratory reports are included in the Attachment.

***Surface Water***

During the January 2005 sampling event, TCE concentrations were reported for eight of the sixteen surface water sample locations (H, I, J, K, L, N, O, and P). TCE was not detected in any location where TCE has not been detected during previous sampling events. Detected concentrations of TCE ranged from 1.0J  $\mu\text{g}/\text{l}$  (micrograms per liter) to 27.5  $\mu\text{g}/\text{l}$  and do not appear to be increasing at any location. Cis-1,2-dichloroethene and vinyl chloride were reported at location O at a concentration of 18.2  $\mu\text{g}/\text{l}$  and 1.0J  $\mu\text{g}/\text{l}$ , respectively. 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 ten (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, and January 31, 2005) 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.



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The screening values for soil were obtained from the U. S. EPA Bulletin, Region III BTAG Screening Levels, 1995. Ecological screening values could not be obtained for cis-1,2-dichloroethene and trans-1,2-dichloroethene from the document. Soil screening values, which were used as sediment screening values, were not available from Regions III or IV. No soil screening values were 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 nineteen and information in Table 1 from the ADEM, Water Division - Water Quality Program; July 14, 1999, Revision; Toxic Pollutant Criteria; 335-6-10-.07. This is also the source of the action level that the ADEM set for Trichloroethylene in the Kilby Ditch. 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 semi-annual monitoring for locations I through P and quarterly monitoring for locations N through P in the Low-Lying Areas. If sediment analytical data anomalies are not reveal after completion of the 2005 quarterly monitoring of locations O through P; semi-annual monitoring should be reinstated.

# **TABLES**

**TABLE 1.** Sediment and Surface-Water Sample Locations in Low-Lying Area; Coliseum Boulevard Plume Investigation Site, Montgomery, Montgomery County, Alabama.

<b>Sample Location Identifier</b>	<b>Description</b>
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)<sup>1</sup> in samples of sediment from the "Low-Lying Areas"; "Low-Lying Areas" January 2005 Summary 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 <sup>2</sup>	Toluene	Trichlorofluoromethane	Ethyl Benzene	Trans-1,2-Dichloroethene	
			[Concentrations are in micrograms per kilogram (µg/kg)]											
			3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	
A	11/15/01	6	ND <sup>4</sup>	ND	ND	ND	ND	ND	ND	4.3J <sup>5</sup>	ND	ND	ND	ND
	2/13/02	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3J	ND	ND
	5/22/02	-	NC <sup>6</sup>	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	1/29/04	8	ND	ND	ND	ND	ND	ND	18.9J	ND	8.4J	ND	3.1J	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B	11/15/01	5	ND	ND	ND	ND	ND	ND	ND	3.6J	ND	ND	ND	ND
	2/13/02	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B - dup <sup>7</sup>	2/13/02	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B	5/22/02	-	NC	NC	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	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C	11/15/01	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/13/02	8	NR <sup>8</sup>	NR	NR	NR	NR	NR	NR	5.7J	ND	ND	ND	ND
	5/22/02	-	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	1/29/04	8	ND	ND	ND	ND	ND	9.0J	ND	4.5J	ND	ND	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
D	11/15/01	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
D-dup	11/15/01	8	ND	ND	ND	ND	ND	ND	ND	3.3J	ND	ND	ND	ND
D	2/13/02	8	ND	ND	ND	5.0	ND	ND	ND	ND	12.4J	ND	ND	ND
	5/22/02	-	NC	NC	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	ND	ND
	1/31/05	10	ND	ND	ND	ND	ND	ND	ND	10.0J	ND	ND	ND	ND
	11/15/01	4	ND	ND	ND	ND	ND	ND	ND	3.9J	25.5J	ND	ND	ND
E	2/13/02	7	ND	ND	ND	ND	ND	ND	ND	ND	9.5	ND	ND	ND
	5/22/02	-	NC	NC	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	ND	ND
	1/31/05	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/15/01	6	ND	ND	ND	ND	ND	ND	ND	10.6J	8.8J	ND	ND	ND
F	2/13/02	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	-	NC	NC	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	ND	ND
	1/31/05	10	ND	ND	ND	ND	ND	ND	ND	6.1J	ND	ND	ND	ND
	11/15/01	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
G	2/13/02	7	ND	ND	ND	ND	ND	ND	ND	ND	14.4	ND	ND	ND
	5/22/02	-	NC	NC	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	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/15/01	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H	2/13/02	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	-	NC	NC	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	ND	ND
	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/16/01	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I	2/14/02	5	12.1	ND	ND	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	ND	ND
	9/17/02 <sup>9</sup>	6	ND	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	ND
	1/14/03 <sup>10</sup>	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)	ND (<2.6)	ND (<2.6)
	7/21/03	4	ND	ND	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	ND	ND
I	1/29/04	8	ND	ND	ND	ND	ND	5.2J	ND	4.1J	ND	ND	ND	ND
	7/26/04	9	ND	ND	ND	ND	ND	6.3J	ND	4.5J	ND	ND	ND	ND
I-dup	7/26/04	9	ND	ND	ND	ND	ND	6.1J	ND	5.0J	ND	ND	ND	ND
I	1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Table 2a.** Concentrations of detected volatile organic compounds (VOCs)<sup>1</sup> in samples of sediment from the "Low-Lying Areas"; "Low-Lying Areas" January 2005 Summary 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											
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			[Concentrations are in micrograms per kilogram (µg/kg)]											
			3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>
J	11/16/01	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/14/02	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/17/02 <sup>9</sup>	7	ND	ND	ND	ND	ND	ND	ND	7.5J	4.1J	ND	ND	ND
	10/31/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03 <sup>10</sup>	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)	ND (<2.4)	ND (<2.4)
	7/21/03	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	ND	5.0J	ND	5.7J	ND	ND	ND
	7/26/04	10	ND	ND	ND	ND	ND	ND	3.8J	ND	ND	ND	ND	ND
1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
K	11/16/01	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
K-dup	11/16/01	8	ND	ND	ND	ND	ND	ND	3.1J	ND	ND	ND	ND	ND
K	2/14/02	11	ND	ND	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	ND	ND
K	5/22/02	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/17/02 <sup>9</sup>	12	ND	ND	ND	ND	ND	ND	ND	3.2J	6.0J	ND	ND	ND
	10/31/02	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03 <sup>10</sup>	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)	ND (<1.6)	ND (<1.6)
	7/21/03	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	ND	5.2J	ND	3.4J	ND	ND	ND
	7/26/04	9	ND	ND	ND	ND	ND	ND	5.9J	ND	6.5J	ND	ND	ND
	1/31/05	9	ND	ND	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	ND
L	11/16/01	10	3.9J	ND	ND	ND	ND	ND	ND	3.1J	ND	ND	ND	ND
	2/14/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	10	ND	ND	ND	ND	ND	ND	ND	4.8J	ND	ND	ND	ND
L-dup	5/22/02	10	ND	ND	ND	ND	ND	ND	4.8J	ND	ND	ND	ND	ND
L	9/17/02 <sup>9</sup>	8	26.4J	6.3J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03 <sup>10</sup>	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)	ND (<1.2)	ND (<1.2)
	7/21/03	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	ND	3.3J	ND	3.5J	ND	ND	ND
	7/26/04	11	10.4J	26.4J	4.9J	ND	ND	ND	34.2J	ND	11.8J	ND	7.3J	3.7J
1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
M	11/16/01	10	ND	ND	ND	ND	ND	ND	ND	4.8J	ND	ND	ND	ND
	2/14/02	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	8	ND	ND	ND	ND	ND	ND	ND	3.3J	3.0J	ND	ND	ND
	9/17/02 <sup>9</sup>	8	ND	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	ND
	1/14/03 <sup>10</sup>	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)	ND (<1.3)
	7/29/03 <sup>11</sup>	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	ND	6.7J	ND	4.2J	ND	ND	ND
	7/26/04	9	ND	ND	ND	ND	ND	ND	9.2J	ND	4.3J	ND	ND	ND
1/31/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
N	11/15/01	3	50.6J	ND	ND	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	ND
	5/22/02	10	ND	ND	ND	ND	ND	ND	ND	3.3J	ND	ND	ND	ND
	9/17/02 <sup>9</sup>	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-dup	9/17/02 <sup>9</sup>	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	10/31/02	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03 <sup>10</sup>	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)	ND (<1.2)
	7/21/03	2	3.6J	ND	3.0J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	ND	ND	ND	ND	ND	ND	5.3J	ND	3.2J	ND	ND	ND
	7/26/04	8	ND	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	ND	
N-dup	10/20/04	8	ND	ND	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	ND

**Table 2a.** Concentrations of detected volatile organic compounds (VOCs)<sup>1</sup> in samples of sediment from the "Low-Lying Areas"; "Low-Lying Areas" January 2005 Summary 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 <sup>2</sup>	Toluene	Trichlorofluoromethane	Ethyl Benzene	Trans-1,2-Dichloroethene
			[Concentrations are in micrograms per kilogram (µg/kg)]										
			3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>	3.0 µg/kg <sup>3</sup>
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	ND	ND	ND	ND
	9/17/02 <sup>9</sup>	12	ND	ND	ND	ND	ND	ND	ND	4.8J	4.0J	5.7J	ND
	10/31/02	12	ND	ND	35.1	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03 <sup>10</sup>	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	ND	ND	ND
	3/9/04 <sup>12</sup>	15	104	35.4J	6.3J	ND	ND	ND	ND	ND	15.9J	ND	5.2J
	4/14/04 <sup>13</sup>	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	ND	31.4J	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
O - East	4/14/04 <sup>13</sup>	8-12	ND	6.2J	ND	ND	ND	ND	ND	ND	ND	ND	ND
O - North	4/14/04 <sup>13</sup>	8-12	ND	ND	ND	ND	ND	ND	ND	9.5J	ND	ND	ND
O - South	4/14/04 <sup>13</sup>	8-12	ND	3.1J	5.1J	ND	ND	ND	ND	3.4J	ND	ND	ND
O - West 1	4/14/04 <sup>13</sup>	8-12	81.1	486	44.7	ND	ND	ND	ND	6.1J	ND	ND	ND
O - West 1 dup	4/14/04 <sup>13</sup>	8-12	ND	22.3J	30.4J	ND	ND	ND	ND	6.3J	ND	ND	25.9J
O - West 2	4/14/04 <sup>13</sup>	8-12	ND	ND	8.0J	ND	ND	ND	ND	6.7J	ND	ND	3.0J
P	11/15/01	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/13/02	9	10.6	ND	ND	ND	ND	ND	ND	ND	ND	7.1J	ND
	5/22/02	11	7.0J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/17/02 <sup>9</sup>	10	ND	ND	ND	ND	ND	ND	ND	6.7J	ND	ND	ND
	10/31/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/14/03 <sup>10</sup>	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

**Notes:**

- <sup>1</sup> 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.
- <sup>2</sup> Methylene Chloride is considered to have been present in the laboratory during analysis of the samples.
- <sup>3</sup> MDL - Method Detection Limit of 3.0 micrograms per kilogram (µg/kg) for the soil laboratory analyses
- <sup>4</sup> ND - Not Detected
- <sup>5</sup> J - Concentration below the calibration curve, but above the detection limit
- <sup>6</sup> NC - Not Collected during indicated sampling period. Quarterly sampling was initiated after the February 2002 sampling event and the only sample locations to be sampled are I through P.
- <sup>7</sup> dup - Duplicate sample collected for quality assurance/quality control purposes.
- <sup>8</sup> NR - Not Reported, analytical results were not reported by STL laboratories because the soil sample appeared to have something in the matrix which caused the sample not to purge.
- <sup>9</sup> Results on September 17, 2002, are reported on "wet-weight" basis.
- <sup>10</sup> 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 ( ).
- <sup>11</sup> Sample location M was not located on 7/21/03, but was located and sampled on 7/29/03.
- <sup>12</sup> 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.
- <sup>13</sup> 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)<sup>1</sup> in samples of surface water from the "Low-Lying Areas"; "Low-Lying Areas" January 2005 Summary Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 4.]

Sample Identifier	Sample Date	Aqueous Lab Results					
		Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride <sup>2</sup>	Toluene
		[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	
A	11/15/01	ND <sup>4</sup>	ND	ND	ND	ND	ND
	2/13/02	ND	ND	ND	ND	ND	ND
	5/22/02	NC <sup>5</sup>	NC	NC	NC	NC	NC
	1/29/04	ND	ND	ND	ND	ND	ND
	1/31/05	ND	ND	ND	ND	ND	ND
B	11/15/01	NC	NC	NC	NC	NC	NC
	2/13/02	ND	ND	ND	ND	ND	ND
B-dup <sup>6</sup>	2/13/02	ND	ND	ND	ND	ND	ND
B	5/22/02	NC	NC	NC	NC	NC	NC
	1/29/04	ND	ND	ND	ND	ND	ND
	1/31/05	ND	ND	ND	ND	ND	ND
C	11/15/01	NC	NC	NC	NC	NC	NC
	2/13/02	ND	ND	ND	ND	ND	ND
	5/22/02	NC	NC	NC	NC	NC	3
	1/29/04	ND	ND	ND	ND	ND	ND
	1/31/05	ND	ND	ND	ND	ND	ND
D	11/15/01	NC	NC	NC	NC	NC	NC
D-dup	11/15/01	NC	NC	NC	NC	NC	NC
D	2/13/02	ND	ND	ND	ND	ND	ND
	5/22/02	NC	NC	NC	NC	NC	NC
	1/29/04	ND	ND	ND	ND	ND	ND
	1/31/05	ND	ND	ND	ND	ND	ND
E	11/15/01	NC	NC	NC	NC	NC	NC
	2/13/02	ND	ND	ND	ND	ND	ND
	5/22/02	NC	NC	NC	NC	NC	NC
	1/29/04	ND	ND	ND	ND	ND	ND
	1/31/05	ND	ND	ND	ND	ND	ND
F	11/15/01	NC	NC	NC	NC	NC	NC
	2/13/02	ND	ND	ND	ND	ND	1.1J <sup>7</sup>
	5/22/02	NC	NC	NC	NC	NC	NC
	1/29/04	ND	ND	ND	ND	ND	ND
	1/31/05	ND	ND	ND	ND	ND	1.1J
G	11/15/01	NC	NC	NC	NC	NC	NC
	2/13/02	ND	ND	ND	ND	ND	ND
	5/22/02	NC	NC	NC	NC	NC	NC
	1/29/04	ND	ND	ND	ND	ND	ND
	1/31/05	ND	ND	ND	ND	ND	ND
H	11/15/01	ND	ND	ND	ND	ND	ND
	2/13/02	ND	ND	ND	ND	ND	ND
	5/22/02	NC	NC	NC	NC	NC	NC
	1/29/04	1.1J	ND	ND	ND	ND	ND
	1/31/05	1.0J	ND	ND	ND	ND	ND
I	11/16/01	4.6J	ND	ND	ND	ND	ND
	2/14/02	5.0J	ND	ND	ND	ND	ND
	5/22/02	2.3J	ND	ND	ND	ND	ND
	9/17/02	ND	ND	ND	ND	ND	ND
	10/31/02	4.2J	ND	ND	ND	ND	ND
	1/14/03	4.3J	ND	ND	ND	ND	ND
	7/21/03	7.5J	ND	ND	ND	ND	ND
I-dup	7/21/03	7.5J	ND	ND	ND	ND	ND
I	1/29/04	2.4J	ND	ND	ND	ND	ND
	7/26/04	1.0J	ND	ND	ND	ND	ND
I-dup	7/26/04	ND	ND	ND	ND	ND	ND
	1/31/05	2.6J	ND	ND	ND	ND	ND

**Table 2b.** Concentrations of detected volatile organic compounds (VOCs)<sup>1</sup> in samples of surface water from the "Low-Lying Areas"; "Low-Lying Areas" January 2005 Summary Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 4.]

Sample Identifier	Sample Date	Aqueous Lab Results					
		Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride <sup>2</sup>	Toluene
		[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>
J	11/16/01	2.8J	ND	ND	ND	ND	ND
	2/14/02	3.9J	ND	ND	ND	ND	ND
	5/22/02	1.9J	ND	ND	ND	ND	ND
	9/17/02	ND	ND	ND	ND	ND	ND
	10/31/02	3.9J	ND	ND	ND	ND	ND
	1/14/03	2.9J	ND	ND	ND	ND	ND
	7/21/03	8.3J	ND	ND	ND	ND	ND
	1/29/04	ND	ND	ND	1.2J	ND	ND
	7/26/04	ND	ND	ND	ND	ND	ND
1/31/05	1.6J	ND	ND	ND	ND	ND	
K	11/16/01	4.9J	ND	ND	ND	ND	ND
K-dup	11/16/01	4.9J	ND	ND	ND	ND	ND
K	2/14/02	16.4J	ND	ND	ND	ND	ND
K-dup	2/14/03	16.2J	ND	ND	ND	ND	ND
K	5/22/02	5.5J	ND	ND	ND	ND	ND
	9/17/02	2.2J	ND	ND	ND	ND	ND
	10/31/02	5.5J	ND	ND	ND	ND	1.4J
	1/14/03	13.9J	ND	ND	ND	ND	ND
	7/21/03	20.3	ND	ND	ND	ND	ND
	1/29/04	10.7J	ND	ND	1.0J	ND	ND
	7/26/04	6.4J	ND	ND	ND	ND	ND
	1/31/05	7.9J	ND	ND	ND	ND	ND
	K-dup	1/31/05	8.1J	ND	ND	ND	ND
L	11/16/01	2.9J	ND	ND	ND	ND	ND
	2/14/02	7.9J	ND	ND	ND	ND	ND
	5/22/02	2.7J	ND	ND	ND	ND	ND
L-dup	5/22/02	2.6J	ND	ND	ND	ND	ND
L	9/17/02	1.4J	ND	ND	ND	ND	ND
	10/31/02	3.4J	ND	ND	ND	ND	ND
	1/14/03	6.0J	ND	ND	ND	ND	ND
	7/21/03	4.3J	ND	ND	ND	ND	ND
	1/29/04	4.6J	ND	ND	ND	ND	ND
	7/26/04	4.1J	ND	ND	ND	ND	ND
	1/31/05	4.2J	ND	ND	ND	ND	ND
M	11/16/01	ND	ND	ND	ND	ND	ND
	2/14/02	ND	ND	ND	ND	ND	ND
	5/22/02	NC	NC	NC	NC	NC	NC
	9/17/02	NC	NC	NC	NC	NC	NC
	10/31/02	NC	NC	NC	NC	NC	NC
	1/14/03	ND	ND	ND	ND	ND	ND
	7/29/03 <sup>B</sup>	ND	ND	ND	ND	ND	5.0J
	1/29/04	ND	ND	ND	ND	ND	ND
1/31/05	ND	ND	ND	ND	ND	ND	

**Table 2b.** Concentrations of detected volatile organic compounds (VOCs)<sup>1</sup> in samples of surface water from the "Low-Lying Areas"; "Low-Lying Areas" January 2005 Summary Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 4.]

Sample Identifier	Sample Date	Aqueous Lab Results					
		Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride <sup>2</sup>	Toluene
		[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>
N	11/15/01	7.0J	ND	ND	ND	ND	ND
	2/13/02	16.8J	ND	ND	ND	ND	ND
	5/22/02	7.6J	ND	ND	ND	ND	ND
	9/17/02	3.7J	ND	ND	ND	ND	ND
N-dup	9/17/02	3.7J	ND	ND	ND	ND	ND
N	10/31/02	10.0J	ND	ND	ND	ND	ND
	1/14/03	15.2J	ND	ND	ND	ND	ND
	7/21/03	28.0	ND	ND	ND	ND	ND
	1/29/04	15.2J	ND	ND	3.2J	ND	ND
	7/26/04	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	1/31/05	11.2J	ND	ND	ND	ND	ND
O	11/15/01	NC	NC	NC	NC	NC	NC
	2/13/02	ND	ND	ND	ND	ND	ND
	5/22/02	NC	NC	NC	NC	NC	NC
	9/17/02	ND	ND	ND	1.0J	ND	ND
	10/31/02	2.5J	15.3J	4.8J	ND	ND	ND
	1/14/03	4.8J	14.4J	ND	ND	ND	ND
	7/21/03	NS <sup>9</sup>	NS	NS	NS	NS	NS
	1/29/04	31.8	6.9J	ND	4.5J	ND	ND
	7/26/04	ND	5.4J	1.3J	ND	ND	ND
	10/20/04	ND	10.2J	1.7J	ND	ND	ND
	1/31/05	14.6J	18.2J	1.0J	ND	ND	ND
P	11/15/01	16.8J	ND	ND	ND	ND	ND
	2/13/02	41.2	ND	ND	ND	ND	ND
	5/22/02	22.4	ND	ND	ND	ND	ND
	9/17/02	10.5J	ND	ND	ND	ND	ND
	10/31/02	25.1	ND	ND	ND	ND	ND
	1/14/03	43.2	ND	ND	ND	ND	ND
	7/21/03	42.2	ND	ND	ND	ND	ND
	1/29/04	25.0	ND	ND	2.3J	ND	ND
	7/26/04	23.4	ND	ND	ND	ND	ND
	10/20/04	22.5	ND	ND	ND	ND	ND
1/31/05	27.5	ND	ND	ND	ND	ND	

**Table 2b.** Concentrations of detected volatile organic compounds (VOCs)<sup>1</sup> in samples of surface water from the "Low-Lying Areas"; "Low-Lying Areas" January 2005 Summary Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 4.]

Sample Identifier	Sample Date	Aqueous Lab Results					
		Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride <sup>2</sup>	Toluene
		[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	1.0 µg/l <sup>3</sup>	
Rinsate	11/15/01	ND	ND	ND	ND	ND	ND
Blank	11/15/01	ND	ND	ND	ND	ND	ND
Rinsate 2	11/16/01	ND	ND	ND	ND	ND	ND
Blank	11/16/01	ND	ND	ND	ND	ND	ND
Rinsate	2/13/02	ND	ND	ND	ND	ND	ND
Blank	2/13/02	ND	ND	ND	ND	ND	ND
Rinsate 2	2/14/02	ND	ND	ND	ND	ND	ND
Blank	2/14/02	ND	ND	ND	ND	ND	ND
Rinsate	5/22/02	ND	ND	ND	ND	5.1J	ND
Blank	5/22/02	ND	ND	ND	ND	ND	ND
Rinsate	9/17/02	ND	ND	ND	ND	ND	ND
Blank	9/17/02	ND	ND	ND	ND	ND	ND
Rinsate	10/31/02	ND	ND	ND	ND	ND	ND
Blank	10/31/02	ND	ND	ND	ND	ND	ND
Rinsate	1/14/03	ND	ND	ND	ND	ND	ND
Blank	1/14/03	ND	ND	ND	ND	ND	ND
Rinsate	7/21/03	ND	ND	ND	ND	ND	ND
Blank	7/21/03	ND	ND	ND	ND	ND	ND
Blank (Loc. M)	7/29/03	ND	ND	ND	ND	ND	ND
Rinsate <sup>10</sup>	1/29/04	NC	NC	NC	NC	NC	NC
Blank <sup>10</sup>	1/29/04	NC	NC	NC	NC	NC	NC
Rinsate	4/14/04	ND	ND	ND	ND	ND	ND
Blank	4/14/04	ND	ND	ND	ND	ND	ND
Rinse	7/26/04	ND	ND	ND	ND	ND	ND
Blank	7/26/04	ND	ND	ND	ND	ND	ND
Rinse	10/20/04	ND	ND	ND	ND	ND	ND
Blank	10/20/04	ND	ND	ND	ND	ND	ND
Rinsate	1/31/05	ND	ND	ND	ND	ND	ND
Blank	1/31/05	ND	ND	ND	ND	ND	ND

**Notes:**

- <sup>1</sup> 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.
- <sup>2</sup> Methylene Chloride is considered to have been present in the laboratory during analysis of the samples.
- <sup>3</sup> MDL - Method Detection Limit of 1.0 microgram per liter (µg/l) for the aqueous laboratory analyses
- <sup>4</sup> ND - Not Detected
- <sup>5</sup> NC - Not Collected; sampling location was not scheduled to be sampled. Quarterly sampling was initiated after the February 2002 sampling event and the only sample locations to be sampled are I through P.
- <sup>6</sup> dup - Duplicate sample collected for quality assurance/quality control purposes.
- <sup>7</sup> J - Concentration below the calibration curve, but above the method detection limit
- <sup>8</sup> Sample location M was not located on 7/21/03, but was located and sampled on 7/29/03.
- <sup>9</sup> NS - Not sampled; sample location was not sampled because of insufficient water for analyses
- <sup>10</sup> Rinse, blank, and duplicate samples were inadvertently not collected on January 29, 2004, for quality assurance/quality control purposes.

**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.

<b>Sediment</b>	<b>Soil Screening Level (ppb)<sup>2</sup></b>	<b>Maximum Concentration Reported November 2001 through January 2005 (µg/kg)<sup>3</sup></b>	<b>Date of Maximum Concentration</b>	<b>Sample Location</b>	<b>Depth of Sample (inches)</b>	<b>Exceeds Screening Value</b>
Trichloroethylene	300 <sup>4</sup>	750/104 <sup>5</sup>	1/29/04 and 3/9/2004	O	15	Yes/No
Cis-1,2-Dichloroethene	NA <sup>6</sup>	486	April 14, 2004	O-West, 1	8 -12	NA
Trans-1,2-Dichloroethene	NA <sup>6</sup>	25.9J	April 14, 2004	O-West, 1	8 -12	NA
Vinyl Chloride	300	44.7	April 14, 2004	O-West, 1	8 -12	NA
<b>Aqueous</b>	<b>Aqueous Screening Level</b>	<b>(µg/L)<sup>8</sup></b>				
Trichloroethylene	175 <sup>7</sup>	43.2	January 14, 2003	P	NA	No
Cis-1,2-Dichloroethene	NA <sup>6</sup>	15.3J	October 31, 2002	O	NA	NA
Vinyl Chloride	1,167	4.8J	October 31, 2002	O	NA	No
Chloromethane	NA <sup>6</sup>	4.5J	January 29, 2004	O	NA	NA

<sup>1</sup> The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods. EPA, SW-846

<sup>2</sup> The screening levels were reported in ppb (parts per billion) or µg/kg (micrograms per kilogram)

<sup>3</sup> MDL = Method Detection Limit 3.0 µg/kg (micrograms per kilogram) for the sediment laboratory analyses

<sup>4</sup> 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.

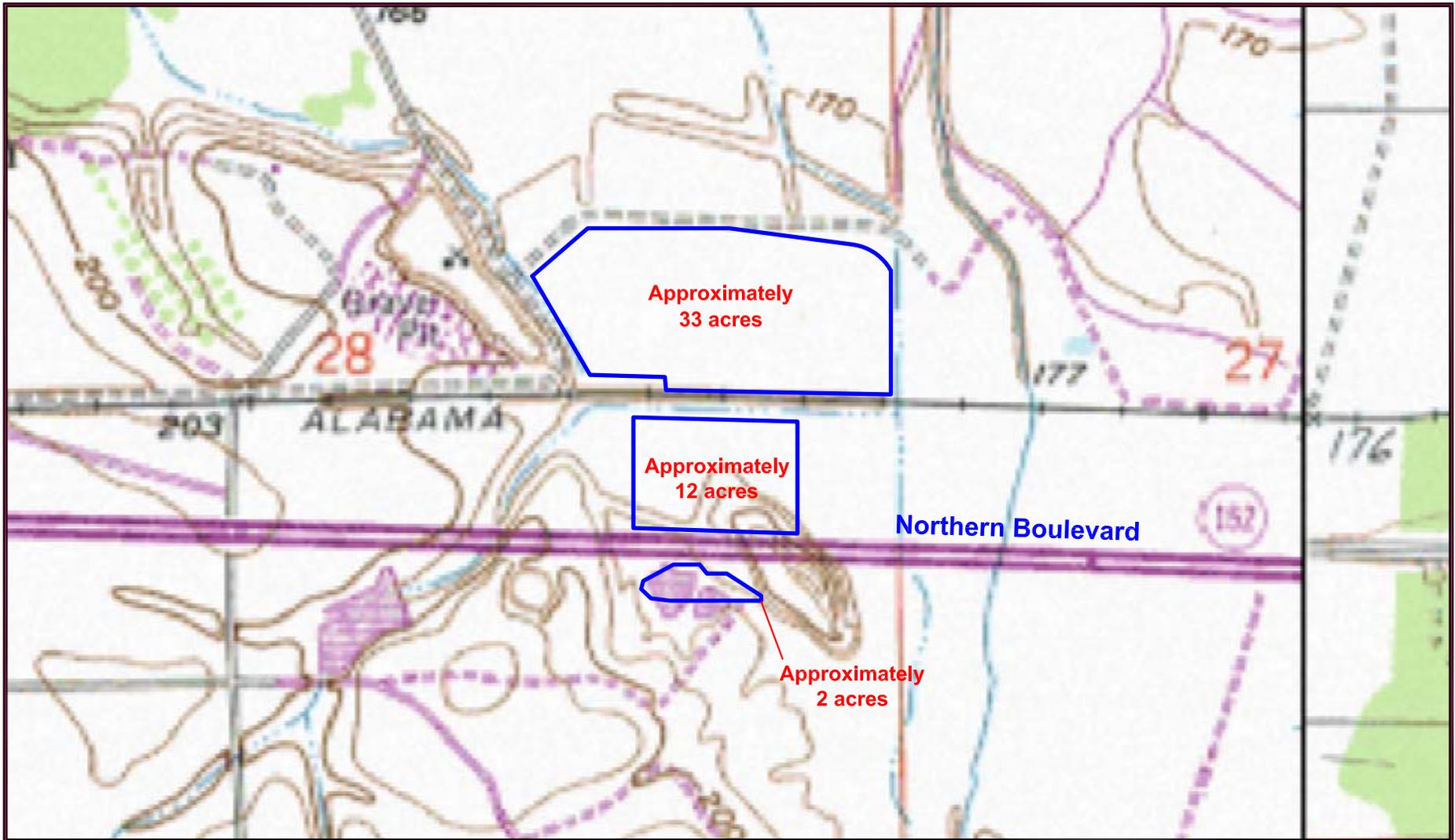
<sup>5</sup> Based on the January 14, 2004 results a conformation sample was collected on March 9, 2004

<sup>6</sup> NA = Not Available; a screening value for this compound is not available.

<sup>7</sup> Alabama Department of Environmental Management, Water division - Water Quality Program\_Revised Effective: July 14, 1999, Toxic Pollutant Criteria - Fish Consumption; 335-6-10-.07

<sup>8</sup> MDL = Method Detection Limit of 1.0 micrograms per liter for the aqueous laboratory analyses.

# FIGURES



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



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Low Lying Areas  
Coliseum Boulevard Plume Investigation  
Alabama Department of Transportation  
Montgomery, Alabama



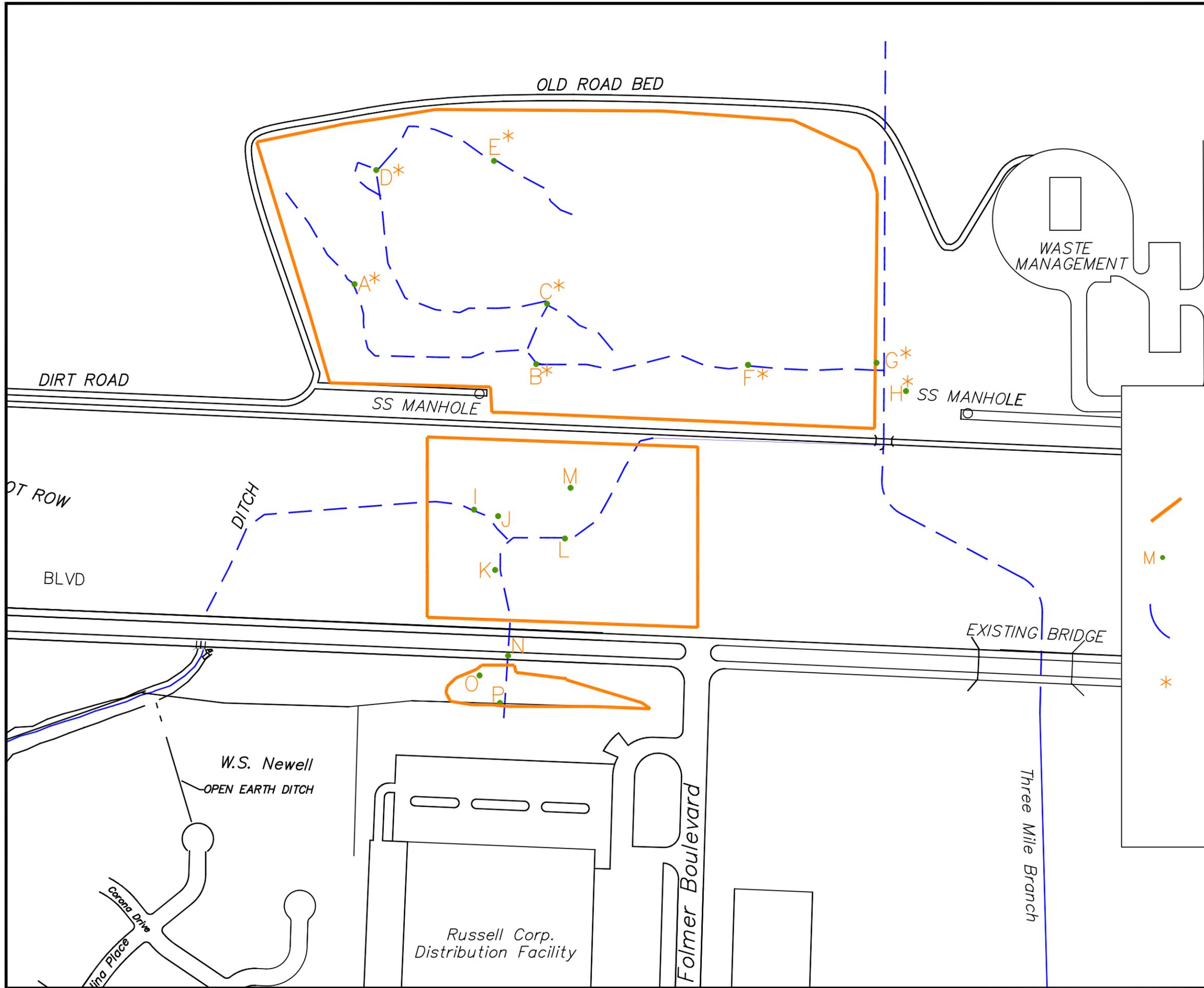
### Topographic Locations of Low Lying Areas

Low Lying Areas

SCALE: 1" = 800'

DRAWING PATH: F:\2000\0700\024\2005 drawings\wetland topo		TTL PROJECT NO.: <b>0700-024</b>	
DATE CREATED: 7/28/2004	DATE REVISED: N/A	REVISION NUMBER: N/A	
DRAWN BY: MMM	INITIAL: KDH	CHECKED BY:	INITIAL:
APPROVED: ASHLEY COUSINS, P.E., CHMM		SIGNATURE:	

FIGURE 1



**LEGEND:**

-  Boundary of Low Lying Area
-  Sample location and Identifier
-  Approximate locations of intermittent streams
-  Not sampled – Location was not scheduled for sampling during this sampling event

ALDOT Coliseum Boulevard Plume Investigation



Sample locations and identifiers. January 29, and March 9, 2004. Semi-Annual Event. "Low-Lying Areas." Coliseum Boulevard Plume. Montgomery, Alabama.

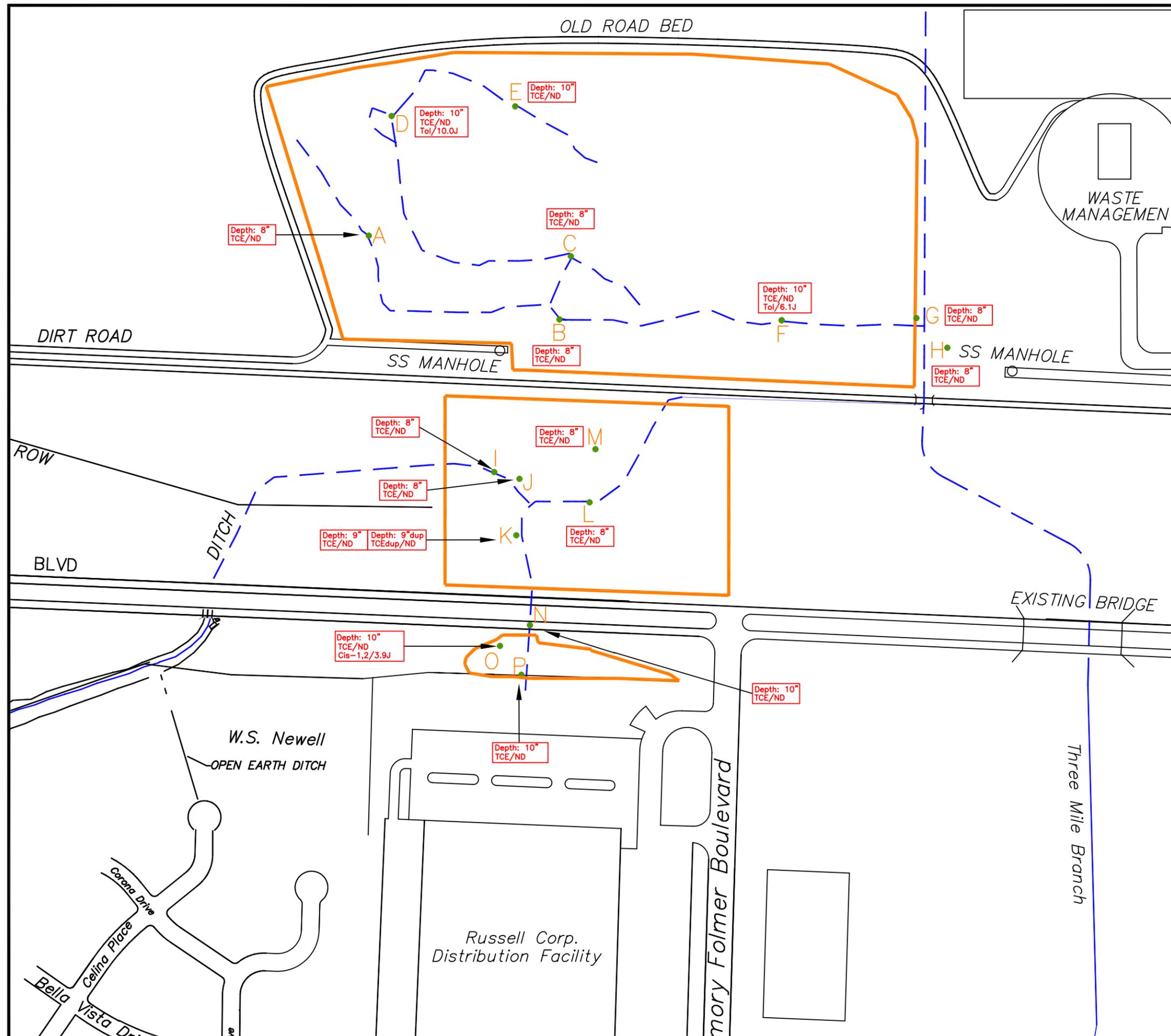
4154 Lomac Street ■ Montgomery, Alabama 36106  
334.244.0766 ■ Fax 334.244.6688

TTL PROJECT NUMBER: 0700-024

Drawing No. 030509

SCALE: 1" = 300'

Figure 2



**LEGEND:**

**Depth: 9" TCE/ND**  
 Depth in inches below land surface  
 TCE/concentration ug/kg  
 Method Detection Limit (MDL)=3.0 micrograms per kilogram (ug/kg)

**J**  
 Estimated (ie, calculated concentrations below the calibration curve, but above the method detection limit)

**dup**  
 Duplicate Sample

**TCE**  
 Trichloroethylene

**Tol**  
 Toluene

**Cis-1,2**  
 Cis-1,2-Dichloroethene

**ND**  
 Not Detected (below MDL)

**Boundary of Low Lying Area**

**M**  
 Sample location and Identifier

**Approximate locations of intermittent streams**

ALDOT Coliseum Boulevard Plume Investigation



2743-B Gunter Park Drive W ■ Montgomery, Alabama 36109  
 334.244.0766 ■ Fax 334.244.6668

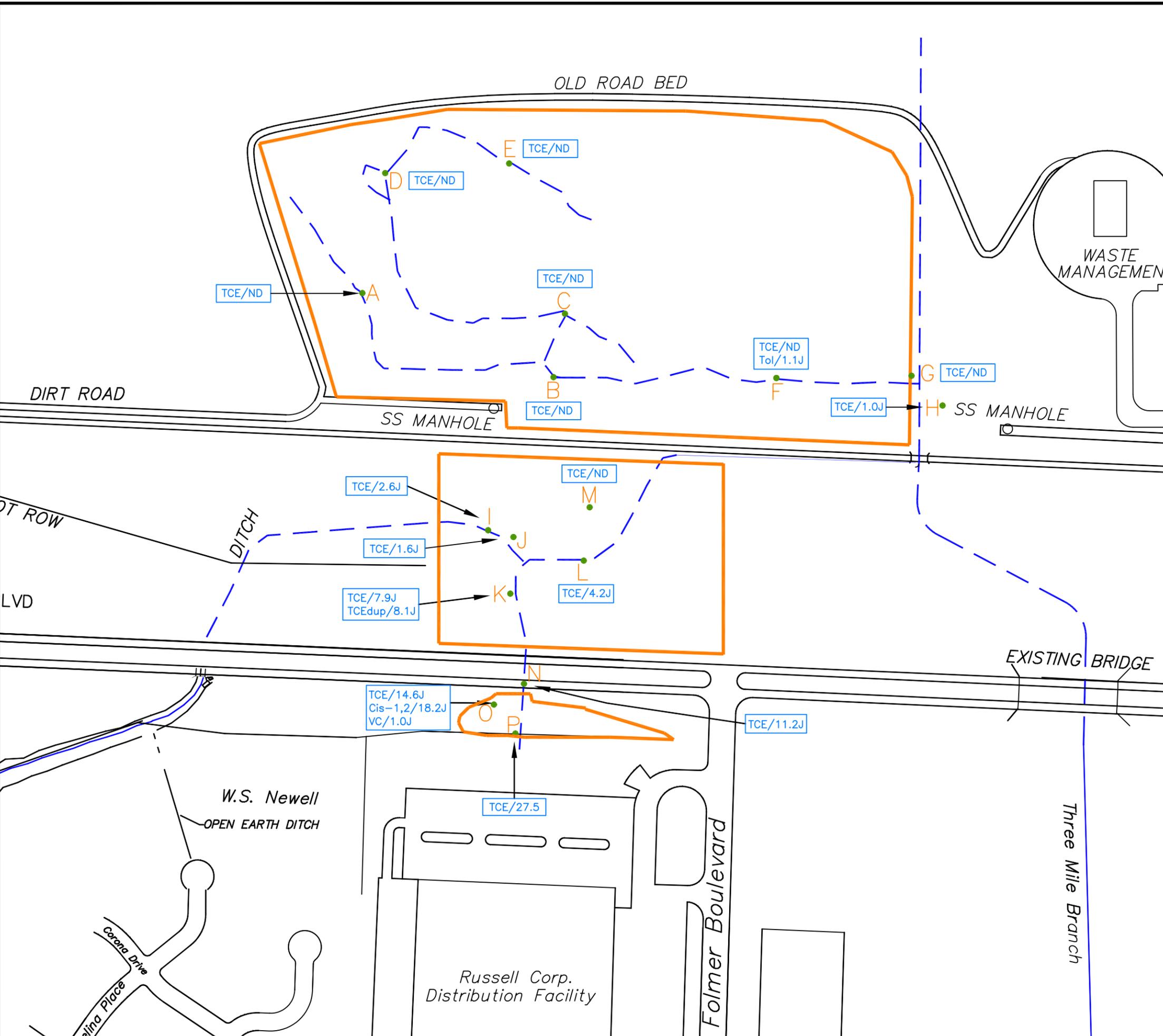
Analytical results of sediment samples collected on January 31, 2005. Work Plan 04- Investigation of "Low-Lying Areas"; Coliseum Boulevard Plume; Montgomery, Alabama.

TTL PROJECT NUMBER:0700-024

Drawing No. 050223

SCALE: 1" = 300'

Figure 3



**LEGEND:**

**TCE/1.0J** TCE/ concentration (ug/L)  
Method Detection Limit (MDL)=1.0 micro-grams per liter (ug/L)

**J** Estimated (ie, calculated concentrations below the calibration curve, but above the method detection limit)

**TCE** Trichloroethylene  
**Cis-1,2** Cis-1,2-Dichloroethene  
**VC** Vinyl Chloride  
**ND** Not Detected (below MDL)  
**dup** Duplicate sample

**Orange line** Boundary of Low Lying Area

**M •** Sample location and Identifier

**Blue dashed line** Approximate locations of intermittent streams

**ALDOT Coliseum Boulevard Plume Investigation**

**TTL**  
2743-B Gunter Park Drive W ■ Montgomery, Alabama 36109  
334.244.0766 ■ Fax 334.244.6668

Analytical results of surficial water samples collected on January 31, 2005. Work plan 04- Investigation of "Low-Lying Areas"; Coliseum Boulevard Plume; Montgomery, Alabama.

TTL PROJECT NUMBER:0700-024

SCALE: 1" = 300'

Figure 4

Drawing No. 050223.1



3516 Greensboro Avenue  
P O Drawer 1128 (35403)  
Tuscaloosa, AL 35401

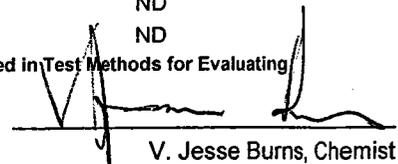
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** A-8"  
**TTL Lab Number:** 050201006-001A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

COMPOUNDS	RESULTS, µg/Kg	FLAG*
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.

3516 Greensboro Avenue  
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Tuscaloosa, AL 35401

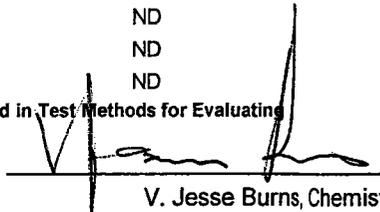
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** B-8"  
**TTL Lab Number:** 050201006-002A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, µg/Kg</u>	<u>FLAG*</u>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



3516 Greensboro Avenue  
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Tuscaloosa, AL 35401

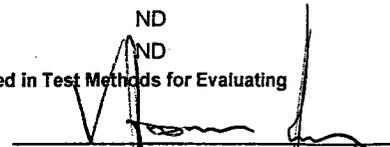
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** C-8"  
**TTL Lab Number:** 050201006-003A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, µg/Kg</u>	<u>FLAG*</u>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



3516 Greensboro Avenue  
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Tuscaloosa, AL 35401

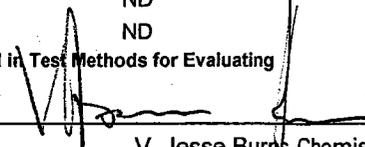
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** D-10"  
**TTL Lab Number:** 050201006-004A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, $\mu\text{g}/\text{Kg}$	FLAG*
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	10.0	J
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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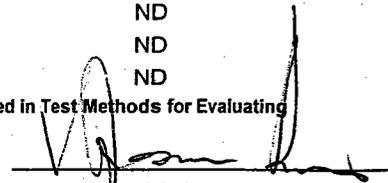
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** E-10"  
**TTL Lab Number:** 050201006-005A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, µg/Kg</u>	<u>FLAG*</u>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



3516 Greensboro Avenue  
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205.345.0816 tel  
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** F-10"  
**TTL Lab Number:** 050201006-006A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<b>COMPOUNDS</b>	<b>RESULTS, µg/Kg</b>	<b>FLAG*</b>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	6.1	J
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



3516 Greensboro Avenue  
P O Drawer 1128 (35403)  
Tuscaloosa, AL 35401

205.345.0816 tel  
205.343.0635 fax  
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** G-8"  
**TTL Lab Number:** 050201006-007A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, µg/Kg</u>	<u>FLAG*</u>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burris, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.

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Tuscaloosa, AL 35401

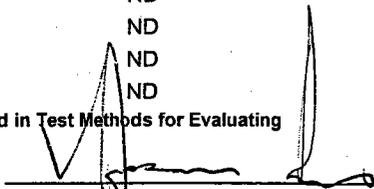
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205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** H-8"  
**TTL Lab Number:** 050201006-008A  
**TTL Job Number:** 0700-024

### VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/Kg	FLAG*
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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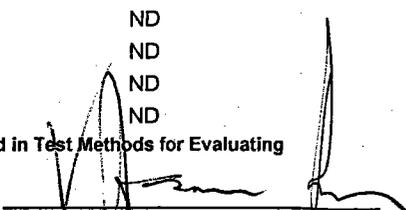
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** I-8"  
**TTL Lab Number:** 050201006-009A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/Kg	FLAG*
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** J-8"  
**TTL Lab Number:** 050201006-010A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, µg/Kg</u>	<u>FLAG*</u>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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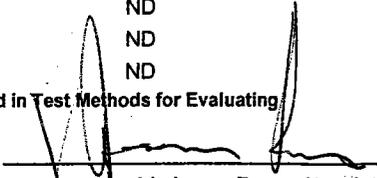
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** K-9"  
**TTL Lab Number:** 050201006-011A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

<u>COMPOUNDS</u>	<u>RESULTS, µg/Kg</u>	<u>FLAG*</u>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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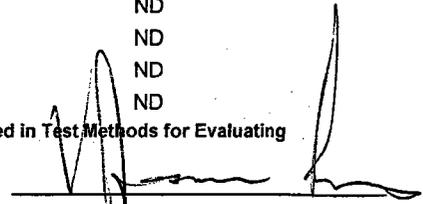
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 10, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** L-8"  
**TTL Lab Number:** 050201006-012A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, µg/Kg</u>	<u>FLAG*</u>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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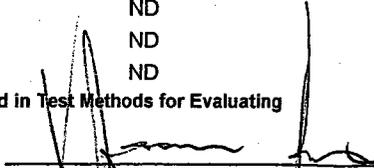
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 11, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** M-8"  
**TTL Lab Number:** 050201006-013A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, µg/Kg</u>	<u>FLAG*</u>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 11, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** N-10"  
**TTL Lab Number:** 050201006-014A  
**TTL Job Number:** 0700-024

VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/Kg	FLAG*
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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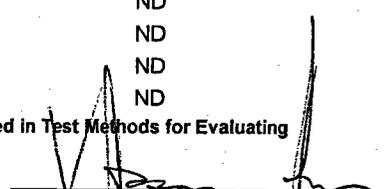
205.345.0816 tel  
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www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 11, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** O-10"  
**TTL Lab Number:** 050201006-015A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, µg/Kg</u>	<u>FLAG*</u>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.9	J
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 11, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** P-10"  
**TTL Lab Number:** 050201006-016A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<b>COMPOUNDS</b>	<b>RESULTS, µg/Kg</b>	<b>FLAG*</b>
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



3516 Greensboro Avenue  
P O Drawer 1128 (35403)  
Tuscaloosa, AL 35401

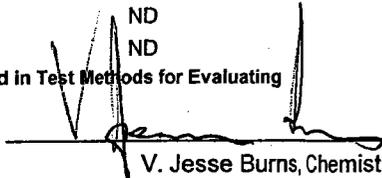
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 11, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Soil  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** K-Duplicate-9"  
**TTL Lab Number:** 050201006-017A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, $\mu\text{g/Kg}$	FLAG*
Chloromethane:	3.0	ND
Vinyl Chloride:	3.0	ND
Chloroethane:	3.0	ND
Trichlorofluoromethane:	3.0	ND
1,1-Dichloroethene:	3.0	ND
Methylene Chloride:	3.0	ND
Trans-1,2-Dichloroethene:	3.0	ND
1,1-Dichloroethane:	3.0	ND
Cis-1,2-Dichloroethene:	3.0	ND
Chloroform:	3.0	ND
1,1,1-Trichloroethane:	3.0	ND
Carbon Tetrachloride:	3.0	ND
Benzene:	3.0	ND
1,2-Dichloroethane:	3.0	ND
Trichloroethylene:	3.0	ND
1,2-Dichloropropane:	3.0	ND
Bromodichloromethane:	3.0	ND
CIS-1,3-Dichloropropene:	3.0	ND
Toluene:	3.0	ND
Trans-1,3-Dichloropropene:	3.0	ND
1,1,2-Trichloroethane:	3.0	ND
Tetrachloroethylene:	3.0	ND
Dibromochloromethane:	3.0	ND
Chlorobenzene:	3.0	ND
1,1,1,2-Tetrachloroethane:	3.0	ND
Ethylbenzene:	3.0	ND
M,P-Xylenes:	3.0	ND
O-Xylene:	3.0	ND
Bromoform:	3.0	ND
1,1,2,2-Tetrachloroethane:	3.0	ND
1,3-Dichlorobenzene:	3.0	ND
1,4-Dichlorobenzene:	3.0	ND
1,2-Dichlorobenzene:	3.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



TTL WORK  
ORDER NUMBER  
050201006

Chain of Custody Form

Sample Security Requirements

Client: ALDOT - CBP  
Contact: Kickada Dixon  
Mailing Address: 2743-B Guster Park Dr W.  
City, State, Zip: Montgomery, AL 36109  
Phone No.: 334-244-0766  
Date: 1-31-05  
Sampled By: WGM, RER  
Sample Site: LOW-LYING AREA  
TTL Job No.: 0700-024 Client P.O. # \_\_\_\_\_

- Condition of Contents: Good
- Sealed for Shipping By: RER
- Initial Contents Temp.: ICE °C Seal Applied Yes  No
- Sampling Status: Complete Expected Completion Date \_\_\_\_\_
- Custody Seal Intact Upon Receipt by Laboratory: Yes  No
- Condition of Contents: Good
- Comments: Ice
- Reporting Status: Routine; ASAP By \_\_\_\_\_; Rush By \_\_\_\_\_

Date	Time	Sample ID/Description	Sample Type		# of Containers	Preservatives	Analysis Parameters
			Solid, Etc.	Grab Comp			
1-31-05	4:00pm	A - 8"	SOIL	✓	4	ICE	VOI
	2:35	B - 8"					
	2:45	C - 8"					
	3:30	D - 10"					
	3:45	E - 10"			3		
	3:00	F - 10"			4		
	4:30	G - 8"					
	4:40	H - 8"					
	1:43	I - 8"					
	1:25	J - 8"					

CUSTODY TRANSFERS PRIOR TO SHIPPING

SHIPPING DETAILS

Relinquished by: (signed) Date/Time

Received by: (signed) Date/Time

Air Bill #: 3024437537

1 [Signature] 1-31-05 17:30

2 [Signature] 2-1-5/0900

3 \_\_\_\_\_

1 [Signature] 2-1-5/0850

2 \_\_\_\_\_

3 \_\_\_\_\_

Method of Shipment: BUS

Received By Lab: Jinda Walker

Date/Time 2/1/05 9:00am

TTL, Inc. - Tuscaloosa Office/Laboratory: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401, Telephone (205) 345-0816, FAX (205) 345-0992  
 TTL, Inc. - Montgomery Office: 4154 Lomac Street, Montgomery, Alabama 36106, Telephone (334) 244-0766, FAX (334) 244-6668  
 TTL, Inc. - Florence Office: 523 South Wood Avenue, Florence, Alabama 35630, Telephone (256) 766-4622, FAX (256) 760-4626  
 TTL, Inc. - Decatur Office: 310 Bank Street, Decatur, Alabama 35601, Telephone (256) 353-2910, FAX (256) 353-3944

NOTE: Please read terms and conditions between TTL, Inc. and client on back of form.

**Chain of Custody Form**

**Sample Security Requirements**

Client: ALDOT - CBP  
 Contact: Ridada Dixon  
 Mailing Address: 2743 B Gunter Park Dr - W  
 City, State, Zip: Montgomery, AL 36109  
 Phone No.: 334-244-0266  
 Date: 1-31-05  
 Sampled By: WGM, REP  
 Sample Site: LOW LYING AREA  
 TTL Job No.: 0700-024 Client P.O. # \_\_\_\_\_

1. Condition of Contents: Good
2. Sealed for Shipping By: RCR
3. Initial Contents Temp.: ICE °C Seal Applied Yes  No \_\_\_\_\_
4. Sampling Status: Complete Expected Completion Date \_\_\_\_\_
5. Custody Seal Intact Upon Receipt by Laboratory: Yes  No \_\_\_\_\_
6. Condition of Contents: Good
7. Comments: ICE
8. Reporting Status: Routine; ASAP By \_\_\_\_\_ ; Rush By \_\_\_\_\_

Date	Time	Sample ID/Description	Sample Type		Sample Method		# of Containers	Preservatives	Analysis Parameters
			Solid, Etc.		Grab	Comp			
1-31-05	1:10 pm	K - 9"	Soil		✓		4	ICE	VOC
	2:00	L - 8"	↓		↓		↓	↓	↓
	2:15	M - 8"	↓		↓		↓	↓	↓
	12:12	N - 10"	↓		↓		↓	↓	↓
	12:45	O - 10"	↓		↓		↓	↓	↓
	12:30	P - 10"	↓		↓		↓	↓	↓
✓	1:10	K - Duplicate - 9"	↓		↓		↓	↓	↓

**CUSTODY TRANSFERS PRIOR TO SHIPPING**

**SHIPPING DETAILS**

Relinquished by: (signed) Date/Time  
 1 [Signature] 1-31-05 17:30  
 2 [Signature] 2-15/0900  
 3 \_\_\_\_\_

Received by: (signed) Date/Time  
 1 [Signature] 2-15/0850  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_

Air Bill #: 3024431537  
 Method of Shipment: bus  
 Received By Lab: Ridada Walker  
 Date/Time 2/1/05 9:00 am

TTL, Inc. - Tuscaloosa Office/Laboratory: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401, Telephone (205) 345-0816, FAX (205) 345-0992  
 TTL, Inc. - Montgomery Office: 4154 Lomac Street, Montgomery, Alabama 36106, Telephone (334) 244-0766, FAX (334) 244-6668  
 TTL, Inc. - Florence Office: 523 South Wood Avenue, Florence, Alabama 35630, Telephone (256) 766-4622, FAX (256) 760-4628  
 TTL, Inc. - Decatur Office: 310 Bank Street, Decatur, Alabama 35601, Telephone (256) 353-2910, FAX (256) 353-3944

NOTE: Please read terms and conditions between TTL, Inc. and client on back of form.

## Chain of Custody Form

## Sample Security Requirements

Client: ALDOT - CBP  
 Contact: Kidada Dixon  
 Mailing Address: 2743 - B Gunter Park Dr W  
 City, State, Zip: Montgomery AL 36109  
 Phone No.: 734-244-0766  
 Date: 1-31-05  
 Sampled By: WGM, RER  
 Sample Site: LOW LYING AREA  
 TTL Job No.: 0200-024 Client P.O. # \_\_\_\_\_

1. Condition of Contents: Good  
 2. Sealed for Shipping By: RER  
 3. Initial Contents Temp.: ICE °C Seal Applied Yes  No \_\_\_\_\_  
 4. Sampling Status: Complete Expected Completion Date \_\_\_\_\_  
 5. Custody Seal Intact Upon Receipt by Laboratory: Yes  No \_\_\_\_\_  
 6. Condition of Contents: Good  
 7. Comments: Ice  
 8. Reporting Status: Routine; ASAP By \_\_\_\_\_; Rush By \_\_\_\_\_

Date	Time	Sample ID/Description	Sample Type		Sample Method		# of Containers	Preservatives	Analysis Parameters
			Solid, Etc.		Grab	Comp			
1-31-05	4:00pm	A	Aqueous		✓		2/3	ICE, ICE	VOC
	2:35	B							
	2:45	C							
	3:30	D							
	3:45	E							
	3:00	F							
	4:30	G							
	4:40	H							
	1:43	I							
	1:25	J							

## CUSTODY TRANSFERS PRIOR TO SHIPPING

## SHIPPING DETAILS

Relinquished by: (signed) Date/Time

Received by: (signed) Date/Time

Air Bill #:

1 [Signature] 1-31-05, 17:30  
 2 [Signature] 2-1-5/0900  
 3 \_\_\_\_\_

1 [Signature] 2-1-5/0850  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_

Air Bill #: 3024437507  
 Method of Shipment: BUS  
 Received By Lab: Brida Walker  
 Date/Time: 2/1/05 9:00 am

TTL, Inc. - Tuscaloosa Office/Laboratory: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401, Telephone (205) 345-0816, FAX (205) 345-0992  
 TTL, Inc. - Montgomery Office: 4154 Lomac Street, Montgomery, Alabama 36106, Telephone (334) 244-0766, FAX (334) 244-6668  
 TTL, Inc. - Florence Office: 523 South Wood Avenue, Florence, Alabama 35630, Telephone (256) 766-4622, FAX (256) 760-4626  
 TTL, Inc. - Decatur Office: 310 Bank Street, Decatur, Alabama 35601, Telephone (256) 353-2910, FAX (256) 353-3944

NOTE: Please read terms and conditions between TTL, Inc. and client on back of form.



### Chain of Custody Form

### Sample Security Requirements

Client: ADOT-CBP  
 Contact: Kidada Dixon  
 Mailing Address: 2743 B Gunter Park Dr. W  
 City, State, Zip: Montgomery, AL 36109  
 Phone No.: 334-244-0766  
 Date: 1-31-05  
 Sampled By: WGM, RER  
 Sample Site: LOW LYING AREA  
 TTL Job No.: 0200-024 Client P.O. # \_\_\_\_\_

1. Condition of Contents: Good
2. Sealed for Shipping By: RER
3. Initial Contents Temp.: ICE °C Seal Applied Yes  No \_\_\_\_\_
4. Sampling Status: Complete Expected Completion Date \_\_\_\_\_
5. Custody Seal Intact Upon Receipt by Laboratory: Yes  No \_\_\_\_\_
6. Condition of Contents: Good
7. Comments: ICE
8. Reporting Status: Routine; ASAP By \_\_\_\_\_ ; Rush By \_\_\_\_\_

Date	Time	Sample ID/Description	Sample Type		# of Containers	Preservatives	Analysis Parameters
			Solid, Etc.	Grab Comp			
1-31-05	1:40 pm	K	Aqueous	<input checked="" type="checkbox"/>	3	HCl, ICE	NOC
	2:00	L	↓	↓	↓	↓	↓
	2:15	M	↓	↓	↓	↓	↓
	12:12	N	↓	↓	↓	↓	↓
	12:45	O	↓	↓	↓	↓	↓
	12:30	P	↓	↓	↓	↓	↓
	-	BLANK	↓	↓	↓	↓	↓
	1:10	DUPLICATE K	↓	↓	↓	↓	↓
	12:45	RINSATE BLANK	↓	↓	↓	↓	↓

### CUSTODY TRANSFERS PRIOR TO SHIPPING

### SHIPPING DETAILS

Relinquished by: (signed) Date/Time

Received by (signed) Date/Time

Air Bill #: 3024437537

1 [Signature] 1-31-05 17:30  
 2 [Signature] 2-1-5/0900  
 3 \_\_\_\_\_

1 [Signature] 2-1-5/0850  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_

Method of Shipment: Box  
 Received By Lab: Arinda Walker  
 Date/Time 2/1/05 9:00 am

TTL, Inc. - Tuscaloosa Office/Laboratory: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401, Telephone (205) 345-0816, FAX (205) 345-0992  
 TTL, Inc. - Montgomery Office: 4154 Lomax Street, Montgomery, Alabama 36106, Telephone (334) 244-0766, FAX (334) 244-6668  
 TTL, Inc. - Florence Office: 523 South Wood Avenue, Florence, Alabama 35630, Telephone (256) 766-4622, FAX (256) 760-4626  
 TTL, Inc. - Decatur Office: 310 Bank Street, Decatur, Alabama 35601, Telephone (256) 353-2910, FAX (256) 353-3944

NOTE: Please read terms and conditions between TTL, Inc. and client on back of form.



3516 Greensboro Avenue  
P O Drawer 1128 (35403)  
Tuscaloosa, AL 35401

205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 2, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** A  
**TTL Lab Number:** 050201006-018A  
**TTL Job Number:** 0700-024

VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	1.0	ND
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



3516 Greensboro Avenue  
P O Drawer 1128 (35403)  
Tuscaloosa, AL 35401

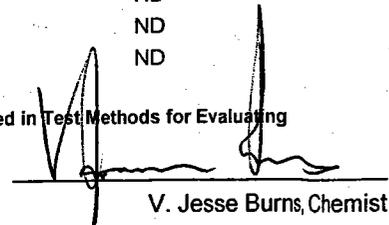
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

Client: Alabama Department of Transportation  
Sample Date: January 31, 2005  
Date Analyzed: February 3, 2005  
Analyzed By: TTL Personnel (VJB)  
Sample Type: Aqueous  
Sampled By: TTL Personnel (WGM, RER)  
Sample Site: Coliseum Boulevard Plume, Montgomery, AL  
Sample ID: B  
TTL Lab Number: 050201006-019A  
TTL Job Number: 0700-024

## VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane	1.0	ND
Vinyl Chloride	1.0	ND
Chloroethane	1.0	ND
Trichlorofluoromethane	1.0	ND
1,1-Dichloroethene	1.0	ND
Methylene Chloride	1.0	ND
Trans-1,2-Dichloroethene	1.0	ND
1,1-Dichloroethane	1.0	ND
Cis-1,2-Dichloroethene	1.0	ND
Chloroform	1.0	ND
1,1,1-Trichloroethane	1.0	ND
Carbon Tetrachloride	1.0	ND
Benzene	1.0	ND
1,2-Dichloroethane	1.0	ND
Trichloroethylene	1.0	ND
1,2-Dichloropropane	1.0	ND
Bromodichloromethane	1.0	ND
Cis-1,3-Dichloropropene	1.0	ND
Toluene	1.0	ND
Trans-1,3-Dichloropropene	1.0	ND
1,1,2-Trichloroethane	1.0	ND
Tetrachloroethylene	1.0	ND
Dibromochloromethane	1.0	ND
Chlorobenzene	1.0	ND
1,1,1,2-Tetrachloroethane	1.0	ND
Ethyl Benzene	1.0	ND
M,P-Xylenes	1.0	ND
O-Xylene	1.0	ND
Bromoform	1.0	ND
1,1,2,2-Tetrachloroethane	1.0	ND
1,3-Dichlorobenzene	1.0	ND
1,4-Dichlorobenzene	1.0	ND
1,2-Dichlorobenzene	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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3516 Greensboro Avenue  
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Tuscaloosa, AL 35401

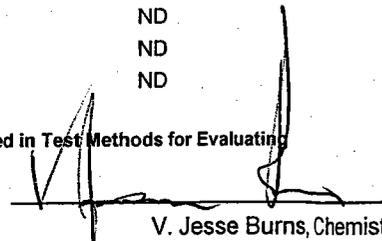
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** 01/31/2005  
**Date Analyzed:** 02/03/2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** C  
**TTL Lab Number:** 050201006-020A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS. µg/L</u>	<u>FLAG*</u>
Chloromethane	1.0	ND
Vinyl Chloride	1.0	ND
Chloroethane	1.0	ND
Trichlorofluoromethane	1.0	ND
1,1-Dichloroethene	1.0	ND
Methylene Chloride	1.0	ND
Trans-1,2-Dichloroethene	1.0	ND
1,1-Dichloroethane	1.0	ND
Cis-1,2-Dichloroethene	1.0	ND
Chloroform	1.0	ND
1,1,1-Trichloroethane	1.0	ND
Carbon Tetrachloride	1.0	ND
Benzene	1.0	ND
1,2-Dichloroethane	1.0	ND
Trichloroethylene	1.0	ND
1,2-Dichloropropane	1.0	ND
Bromodichloromethane	1.0	ND
Cis-1,3-Dichloropropene	1.0	ND
Toluene	1.0	ND
Trans-1,3-Dichloropropene	1.0	ND
1,1,2-Trichloroethane	1.0	ND
Tetrachloroethylene	1.0	ND
Dibromochloromethane	1.0	ND
Chlorobenzene	1.0	ND
1,1,1,2-Tetrachloroethane	1.0	ND
Ethyl Benzene	1.0	ND
M,P-Xylenes	1.0	ND
O-Xylene	1.0	ND
Bromoform	1.0	ND
1,1,2,2-Tetrachloroethane	1.0	ND
1,3-Dichlorobenzene	1.0	ND
1,4-Dichlorobenzene	1.0	ND
1,2-Dichlorobenzene	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



3516 Greensboro Avenue  
P O Drawer 1128 (35403)  
Tuscaloosa, AL 35401

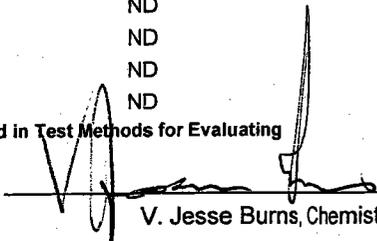
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** D  
**TTL Lab Number:** 050201006-021A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	1.0	ND
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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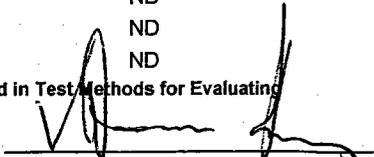
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** E  
**TTL Lab Number:** 050201006-022A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	1.0	ND
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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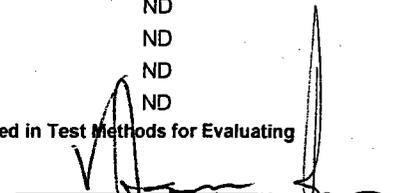
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** F  
**TTL Lab Number:** 050201006-023A  
**TTL Job Number:** 0700-024

VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, $\mu\text{g/L}$	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	1.0	ND
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.1	J
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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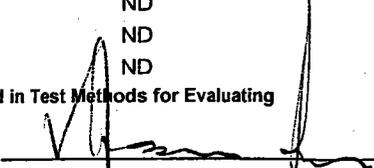
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** G  
**TTL Lab Number:** 050201006-024A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

<u>COMPOUNDS</u>	<u>RESULTS, µg/L</u>	<u>FLAG*</u>
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	1.0	ND
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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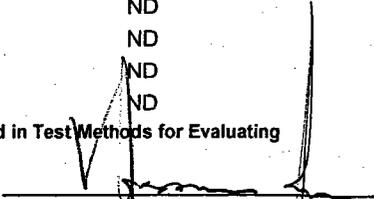
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** H  
**TTL Lab Number:** 050201006-025A  
**TTL Job Number:** 0700-024

VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	1.0	J
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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Client: Alabama Department of Transportation  
Sample Date: January 31, 2005  
Date Analyzed: February 3, 2005  
Analyzed By: TTL Personnel (VJB)  
Sample Type: Aqueous  
Sampled By: TTL Personnel (WGM, RER)  
Sample Site: Coliseum Boulevard Plume, Montgomery, AL  
Sample ID: I  
TTL Lab Number: 050201006-026A  
TTL Job Number: 0700-024

VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	2.6	J
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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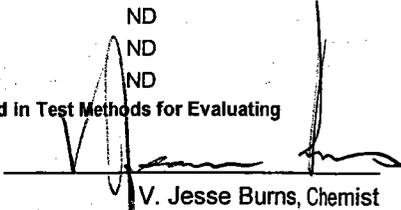
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** J  
**TTL Lab Number:** 050201006-027A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	1.6	J
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** K  
**TTL Lab Number:** 050201006-028A  
**TTL Job Number:** 0700-024

VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	7.9	J
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** L  
**TTL Lab Number:** 050201006-029A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, ug/L</u>	<u>FLAG*</u>
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	4.2	J
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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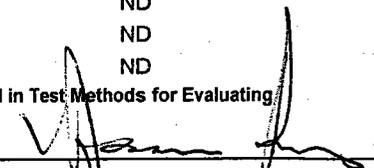
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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** M  
**TTL Lab Number:** 050201006-030A  
**TTL Job Number:** 0700-024

VOLATILE ORGANIC HYDROCARBONS

<u>COMPOUNDS</u>	<u>RESULTS, µg/L</u>	<u>FLAG*</u>
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	1.0	ND
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



3516 Greensboro Avenue  
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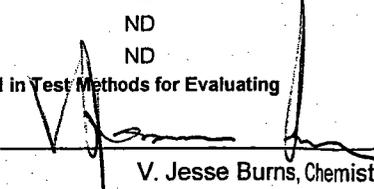
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** N  
**TTL Lab Number:** 050201006-031A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	11.2	J
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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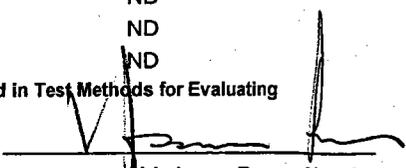
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** O  
**TTL Lab Number:** 050201006-032A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	J
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	18.2	J
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	14.6	J
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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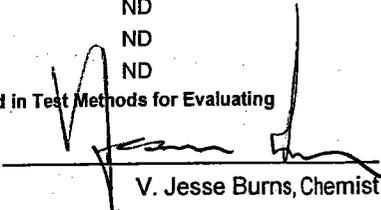
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Personnel (WGM, RER)  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** P  
**TTL Lab Number:** 050201006-033A  
**TTL Job Number:** 0700-024

VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	27.5	
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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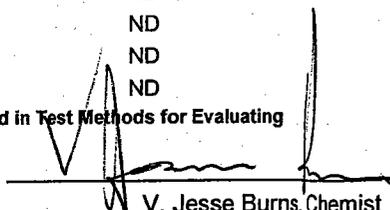
205.345.0816 tel  
205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Lab Personnel  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** Blank (Low Lying Area)  
**TTL Lab Number:** 050201006-034A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, ug/L</u>	<u>FLAG*</u>
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	1.0	ND
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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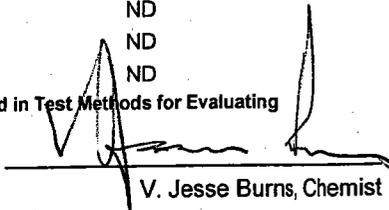
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205.343.0635 fax  
www.TTLINC.com

**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Lab Personnel  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** Duplicate K  
**TTL Lab Number:** 050201006-035A  
**TTL Job Number:** 0700-024

## VOLATILE ORGANIC HYDROCARBONS

COMPOUNDS	RESULTS, µg/L	FLAG*
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	8.1	J
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.



V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.

\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



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**Client:** Alabama Department of Transportation  
**Sample Date:** January 31, 2005  
**Date Analyzed:** February 3, 2005  
**Analyzed By:** TTL Personnel (VJB)  
**Sample Type:** Aqueous  
**Sampled By:** TTL Lab Personnel  
**Sample Site:** Coliseum Boulevard Plume, Montgomery, AL  
**Sample ID:** Rinsate Blank  
**TTL Lab Number:** 050201006-036A  
**TTL Job Number:** 0700-024

**VOLATILE ORGANIC HYDROCARBONS**

<u>COMPOUNDS</u>	<u>RESULTS, µg/L</u>	<u>FLAG*</u>
Chloromethane:	1.0	ND
Vinyl Chloride:	1.0	ND
Chloroethane:	1.0	ND
Trichlorofluoromethane:	1.0	ND
1,1-Dichloroethene:	1.0	ND
Methylene Chloride:	1.0	ND
Trans-1,2-Dichloroethene:	1.0	ND
1,1-Dichloroethane:	1.0	ND
Cis-1,2-Dichloroethene:	1.0	ND
Chloroform:	1.0	ND
1,1,1-Trichloroethane:	1.0	ND
Carbon Tetrachloride:	1.0	ND
Benzene:	1.0	ND
1,2-Dichloroethane:	1.0	ND
Trichloroethylene:	1.0	ND
1,2-Dichloropropane:	1.0	ND
Bromodichloromethane:	1.0	ND
CIS-1,3-Dichloropropene:	1.0	ND
Toluene:	1.0	ND
Trans-1,3-Dichloropropene:	1.0	ND
1,1,2-Trichloroethane:	1.0	ND
Tetrachloroethylene:	1.0	ND
Dibromochloromethane:	1.0	ND
Chlorobenzene:	1.0	ND
1,1,1,2-Tetrachloroethane:	1.0	ND
Ethylbenzene:	1.0	ND
M,P-Xylenes:	1.0	ND
O-Xylene:	1.0	ND
Bromoform:	1.0	ND
1,1,2,2-Tetrachloroethane:	1.0	ND
1,3-Dichlorobenzene:	1.0	ND
1,4-Dichlorobenzene:	1.0	ND
1,2-Dichlorobenzene:	1.0	ND

The sample was analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

  
V. Jesse Burns, Chemist

\*\* The sample was reanalyzed out of holding time.  
\* J = reportable concentration less than the lowest concentration level of the instrument calibration curve but above the detection limit. ND = concentration of the compound cannot be found at or above the detection limit. B = concentration of the compound was found above the detection limit in the laboratory blank sample. Blank = a reportable contaminant present.



Chain of Custody Form

Sample Security Requirements

Client: ADOT-CBP  
 Contact: Kidada Dixon  
 Mailing Address: 2743 B Gunter Park Dr W  
 City, State, Zip: Montgomery AL 36109  
 Phone No.: 334-244-0766  
 Date: 1-31-05  
 Sampled By: WGM, REP  
 Sample Site: LOW LYING AREA  
 TTL Job No.: 0200-024 Client P.O. # \_\_\_\_\_

- Condition of Contents: Good
- Sealed for Shipping By: REP
- Initial Contents Temp.: ICE °C Seal Applied Yes  No \_\_\_\_\_
- Sampling Status: Complete Expected Completion Date \_\_\_\_\_
- Custody Seal Intact Upon Receipt by Laboratory: Yes  No \_\_\_\_\_
- Condition of Contents: Good
- Comments: ICE
- Reporting Status: Routine; ASAP By \_\_\_\_\_; Rush By \_\_\_\_\_

Date	Time	Sample ID/Description	Sample Type		# of Containers	Preservatives	Analysis Parameters
			Solid, Etc.	Grab / Comp			
1-31-05	1:40 pm	K	Aqueous	✓	3	HCl, ICE	NOC
	2:00	L	↓	↓	↓	↓	↓
	2:15	M	↓	↓	↓	↓	↓
	12:12	N	↓	↓	↓	↓	↓
	12:45	O	↓	↓	↓	↓	↓
	12:30	P	↓	↓	↓	↓	↓
	-	BLANK	↓	↓	↓	↓	↓
	1:10	DUPLICATE K	↓	↓	↓	↓	↓
✓	12:45	RINSATE BLANK	↓	↓	↓	↓	↓

CUSTODY TRANSFERS PRIOR TO SHIPPING

SHIPPING DETAILS

Relinquished by: (signed) Date/Time  
 1. [Signature] 1-31-05 17:30  
 2. [Signature] 2-1-5/0900  
 3. \_\_\_\_\_

Received by: (signed) Date/Time  
 1. [Signature] 2-1-5/0850  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_

Air Bill #: 3024437537  
 Method of Shipment: Best  
 Received By Lab: [Signature]  
 Date/Time 2/1/05 9:00 am

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 TTL, Inc. - Montgomery Office: 4154 Lomac Street, Montgomery, Alabama 36106, Telephone (334) 244-0766, FAX (334) 244-6668  
 TTL, Inc. - Florence Office: 523 South Wood Avenue, Florence, Alabama 35630, Telephone (256) 766-4622, FAX (256) 760-4626  
 TTL, Inc. - Decatur Office: 310 Bank Street, Decatur, Alabama 35601, Telephone (256) 353-2910, FAX (256) 353-3944

NOTE: Please read terms and conditions between TTL, Inc. and client on back of form.