

**SUMMARY REPORT FOR
SAMPLING RESULTS
FOR OCTOBER 27, 2005
INVESTIGATION OF
“LOW-LYING AREAS”**

**Coliseum Boulevard
Plume Investigation**



January 9, 2006

Submitted to:

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



**SUMMARY REPORT FOR THE
OCTOBER 27, 2005,
SAMPLING EVENT**

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

TABLE OF CONTENTS

Introduction	1
Sample Collection	2
Results	2
Recommendations	3
Tables	
Figures	
Attachment	



**SUMMARY REPORT FOR THE
OCTOBER 27, 2005,
SAMPLING EVENT**

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

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 October 27, 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 less frequently because TCE has not been detected in surface water or sediment in this area. Sample locations I through M are north of the Northern Boulevard but south of the railroad tracks and are monitored semi-annually. Locations N through P are south of the Northern Boulevard and are currently monitored quarterly.



SUMMARY REPORT FOR THE OCTOBER 27, 2005, SAMPLING EVENT

INVESTIGATION OF "LOW-LYING AREAS"

This report provides the results for the October 27, 2005, quarterly sampling event.

Sample Collection

On October 27, 2005, three (3) locations (location N, O, and P) were sampled for sediments and surface-water (see Tables 1 and 2 and Figures 1 and 2).

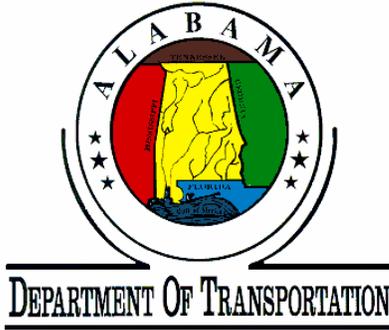
A hand auger was used to collect sediment samples at locations N, O and P on October 27, 2005. All sediment samples were collected from the hand auger using an EnCore sampler. Sampling depth has varied as sedimentation depth is influenced by the velocity and depth of the water flow in the Low-Lying areas. The sediment samples were collected immediately above the first stiff silt, clay, or organic layer, which was approximately 8 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 1 (sediment results) and 2 (surface water results). Analytical results for the October 27, 2005, sampling event are shown on Figures 1 (sediment results) and 2 (surface water results).



**SUMMARY REPORT FOR THE
OCTOBER 27, 2005,
SAMPLING EVENT**

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

Sediment

None of the sediment samples collected from the three aforementioned locations on October 27, 2005 had reportable concentrations of constituents of concern (see Figure 1 and Table 1). Laboratory reports are included in the Attachment.

Surface Water

TCE concentrations were reported for two of the three surface water samples (see Figure 2 and Table 2) for the October 2005 sampling event. TCE was reported at concentrations of 7.1J micrograms per liter ($\mu\text{g/l}$) and 9.8J $\mu\text{g/l}$ at locations N and P, respectively. In July 2005, the definition of a "J" flag was modified to flag samples with concentrations below the practical quantitation level, rather than the calibration curve values. Additionally, cis-1,2-Dichloroethene was reported at a concentration of 3.3J $\mu\text{g/l}$ at location O. The duplicate surface-water sample collected at location O also contained a cis-1,2-dichloroethene concentration of 2.8J $\mu\text{g/l}$. Laboratory reports are included in the Attachment.

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. The next surface-water and sediment monitoring event of the Low-Lying areas is scheduled for January 2006. During the January annual event, samples will be collected from all of the 16 sampling locations as approved for annual monitoring.

TABLES

Table 1. Concentrations of detected volatile organic compounds (VOCs)¹ in samples of sediment from the "Low-Lying Area";December 2005 Low-Lying Area Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in sediment/soil samples are shown on Figure 1.]

Sample Location Identifier	Sample Date	Approximate Sample Depth (inches)	Sediment Lab Results											
			Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Benzene	Cis-1,3-Dichloropropene	M,P,O-Xylenes	Methylene Chloride ²	Toluene	Trichlorofluoromethane	Ethyl Benzene	Trans-1,2-Dichloroethene	
			[Concentrations are in micrograms per kilogram (µg/kg)]											
			3.0 µg/kg ³	3.0 µg/kg ³	3.0 µg/kg ³	3.0 µg/kg ³	3.0 µg/kg ³	3.0 µg/kg ³	3.0 µg/kg ³	3.0 µg/kg ³	3.0 µg/kg ³	3.0 µg/kg ³	3.0 µg/kg ³	
N	11/15/01	3	50.6J ⁴	ND ⁵	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 ⁶	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-dup ⁷	9/17/02 ⁶	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	10/31/02	12	ND	ND	ND	ND	ND	ND	ND	ND	3.2J	ND	ND	ND
	1/14/03 ⁸	8	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	ND (<1.2)	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
N-dup	10/20/04	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	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
N	5/4/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-dup	5/4/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	7/21/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-dup	7/21/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	10/27/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O	11/15/01	3	ND	ND	ND	ND	ND	ND	ND	3.1J	3.3J	ND	ND	ND
	2/13/02	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/22/02	8	ND	ND	ND	ND	ND	ND	ND	4.8J	4.0J	5.7J	ND	ND
	9/17/02 ⁶	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/31/02	12	ND	ND	35.1	ND	ND	ND	ND	ND	7.1J	ND	ND	ND
	1/14/03 ⁸	11	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)	ND (<1.6)
	7/21/03	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/29/04	8	750	18.8J	ND	ND	ND	ND	31.2J	ND	15.9J	ND	5.2J	ND
	3/9/04 ⁹	15	104	35.4J	6.3J	ND	ND	ND	ND	ND	5.5J	ND	ND	ND
	4/14/04 ¹⁰	8-12	ND	3.4J	3.9J	ND	ND	ND	ND	ND	6.1J	ND	ND	ND
	7/26/04	12	ND	3.9J	ND	ND	ND	ND	31.4J	ND	12.1J	ND	6.8J	ND
	10/20/04	10	54.4	5.6J	ND	ND	ND	ND	ND	ND	4.5J	ND	ND	ND
	1/31/05	10	ND	3.9J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5/4/05	8	16.8J	370	5.9J	ND	ND	ND	ND	3.1J	8.3J	ND	ND	7.8J	
7/21/05	8	ND	4.1J	ND	ND	ND	ND	ND	ND	4.0J	ND	ND	ND	
10/27/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
O-dup	10/27/05	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table continued on next page

Table 1. Concentrations of detected volatile organic compounds (VOCs)¹ in samples of sediment from the "Low-Lying Area"; December 2005 Low-Lying Area Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in sediment/soil samples are shown on Figure 1.]

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

Notes:

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

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

³ MDL - Method Detection Limit of 3.0 micrograms per kilogram (µg/kg) for the soil laboratory analyses

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

⁵ ND - Not Detected

⁶ Results on September 17, 2002, are reported on "wet-weight" basis.

⁷ dup - Duplicate sample collected for quality assurance/quality control purposes.

⁸ Sediment samples collected on 1/14/03 were analyzed by STL Laboratories because **TTL's** laboratory equipment malfunctioned. STL's method detection limits varied for some samples and are indicated in parentheses ().

⁹ In the sediment sample collected at location O on January 29, 2004, low mass and low percent solids present in the sample possibly resulted in an ambiguous level of TCE; therefore another sample was collected on March 9, 2004.

¹⁰ On April 14, 2004, location O was sampled for verification and delineation of TCE detected in the sediment samples collected on January 29 and March 9, 2004.

Table 2. Concentrations of detected volatile organic compounds (VOCs)¹ in samples of surface water from the "Low-Lying Area"; December 2005 Low-Lying Area Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 2.]

Sample Identifier	Sample Date	Aqueous Lab Results					
		Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride ²	Toluene
		[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l ³	1.0 µg/l ³	1.0 µg/l ³	1.0 µg/l ³	1.0 µg/l ³	1.0 µg/l ³
N	11/15/01	7.0J ⁴	ND ⁵	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 ⁶	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
N-dup	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
	5/4/05	16.7J	ND	ND	ND	ND	ND
N-dup	5/4/05	16.5J	ND	ND	ND	ND	ND
N	7/21/05	18.1J	ND	ND	ND	ND	ND
N-dup	7/21/05	18.1J	ND	ND	ND	ND	ND
N	10/27/05	7.1J	ND	ND	ND	ND	ND
O	11/15/01	NC ⁷	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 ⁸	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
	5/4/05	3.1J	14.7J	1.0J	ND	ND	ND
	7/21/05	ND	1.9J	ND	ND	ND	1.6J
10/27/05	ND	3.3J	ND	ND	ND	ND	
O-dup	10/27/05	ND	2.8J	ND	ND	ND	ND

Table continued on next page

Table 2. Concentrations of detected volatile organic compounds (VOCs)¹ in samples of surface water from the "Low-Lying Area"; December 2005 Low-Lying Area Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama. [Distributions of VOCs in surface-water samples are shown on Figure 2.]

Sample Identifier	Sample Date	Aqueous Lab Results					
		Trichloroethylene	Cis-1,2-Dichloroethene	Vinyl Chloride	Chloromethane	Methylene Chloride ²	Toluene
		[Concentrations are in micrograms per liter (µg/l)]					
		1.0 µg/l ³	1.0 µg/l ³	1.0 µg/l ³	1.0 µg/l ³	1.0 µg/l ³	1.0 µg/l ³
P	11/15/01	16.8J	ND	ND	ND	ND	ND
	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
	5/4/05	20.9	ND	ND	ND	ND	ND
	7/21/05	21.1	ND	ND	ND	ND	ND
10/27/05	9.8J	ND	ND	ND	ND	ND	

Notes:

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

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

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

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

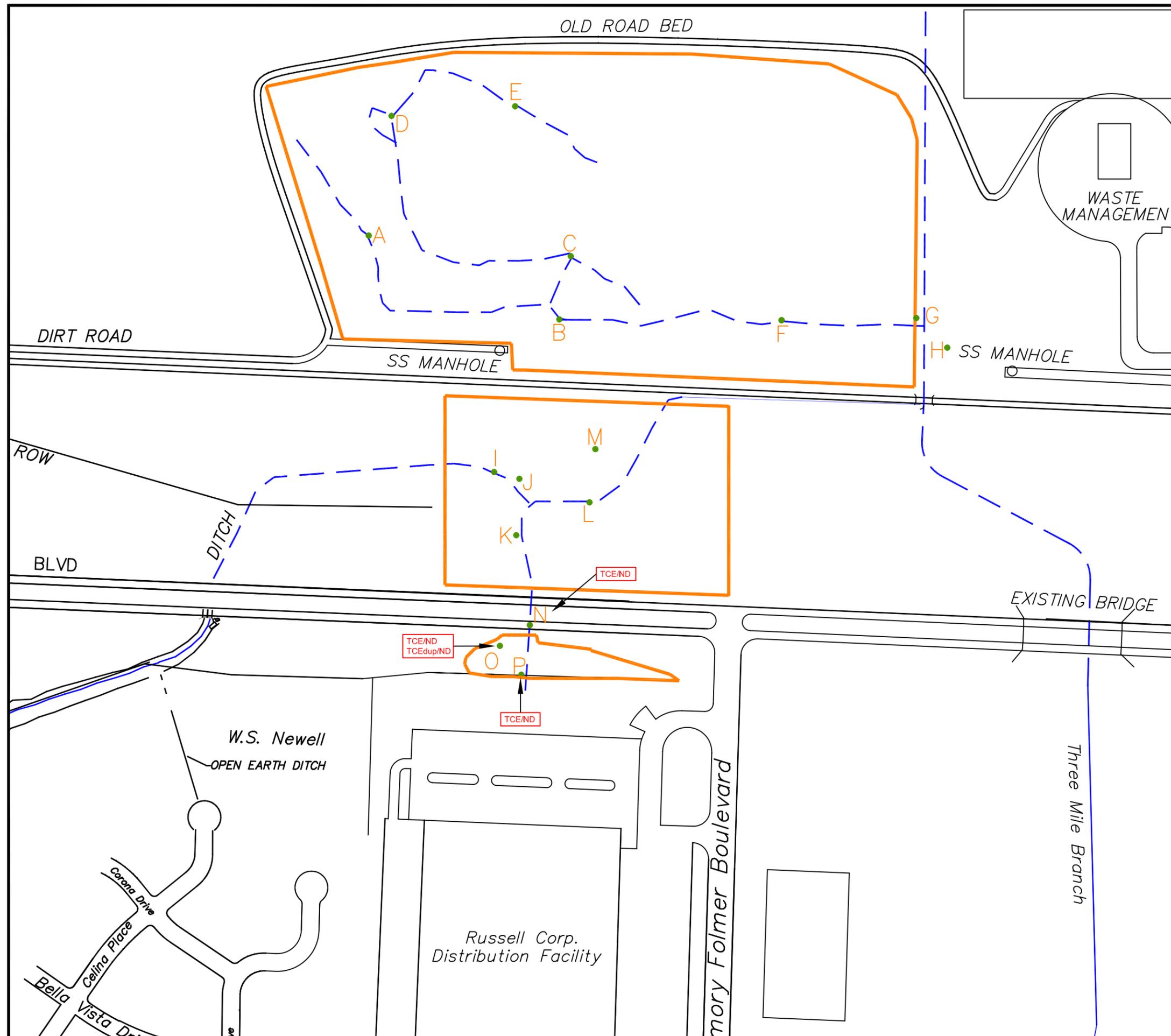
⁵ ND - Not Detected

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

⁷ 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.

⁸ NS - Not sampled; sample location was not sampled because of insufficient water for analyses

FIGURES



LEGEND:

TCE/ND TCE/concentration ug/kg
Method Detection Limit (MDL)=3.0
micrograms per kilogram (ug/kg)

ND Not Detected
dup Duplicate Sample
TCE Trichloroethylene

Boundary of Low Lying Area

Sample location and Identifier

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

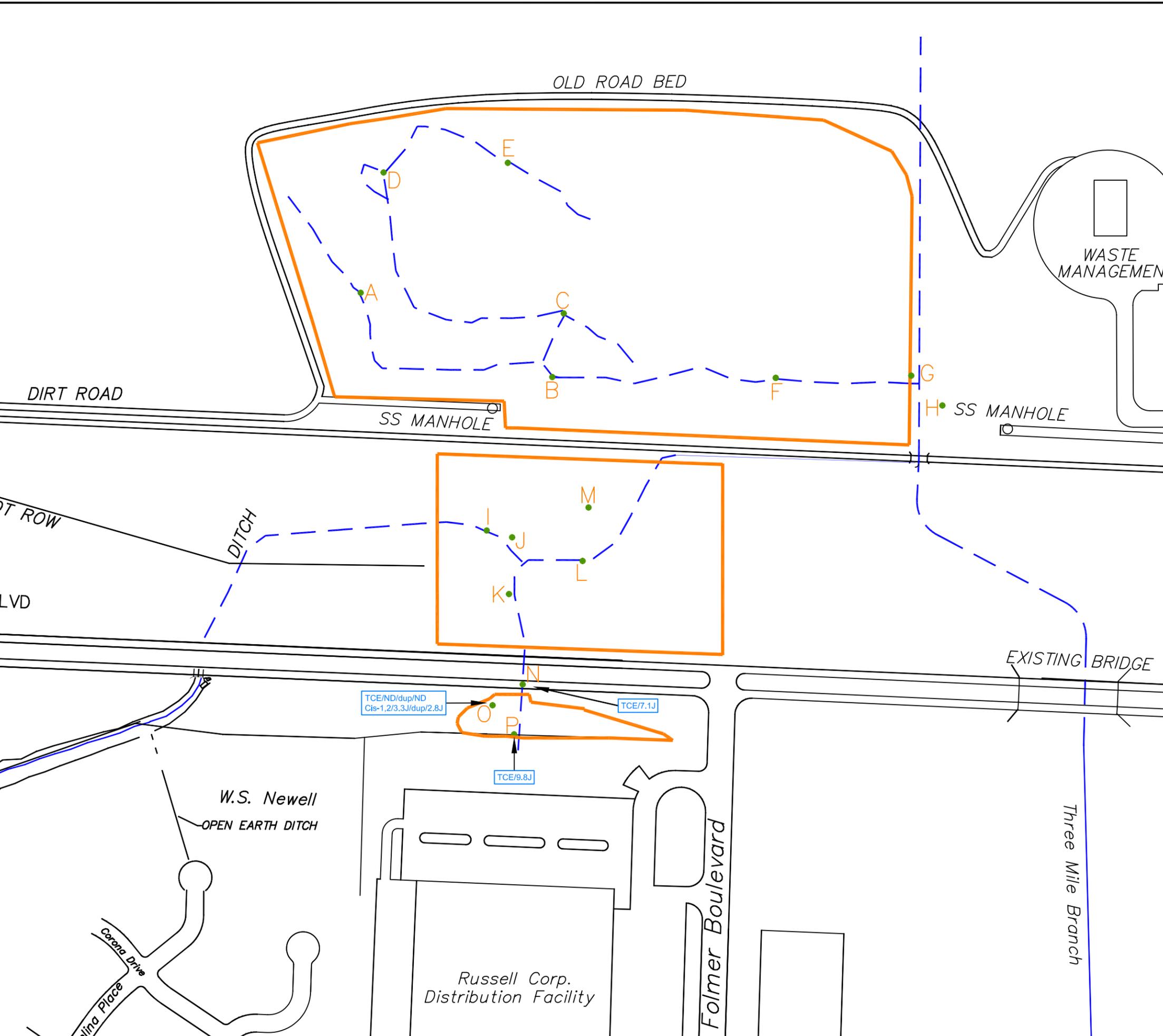
Analytical results of sediment samples collected from Low-Lying Areas on October 27, 2005. Work Plan 04- Investigation of "Low-Lying Areas"; Coliseum Boulevard Plume; Montgomery, Alabama.

TTL PROJECT NUMBER:0700-024

Drawing No. 051129

SCALE: 1" = 300'

Figure 1



LEGEND:

- TCE/ND TCE/ concentration (ug/L)
Method Detection Limit (MDL)=1.0 micro-grams per liter (ug/L)
- J Estimated (concentration below the practical quantitation level, rather than the calibration curve values)
- TCE Trichloroethylene
- Cis-1,2 Cis-1,2-Dichloroethene
- ND Not Detected
- 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 surficial water samples collected from Low-Lying Areas on October 27, 2005. Work plan 04- Investigation of "Low-Lying Areas"; Coliseum Boulevard Plume; Montgomery, Alabama.

TTL PROJECT NUMBER:0700-024

ATTACHMENT



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

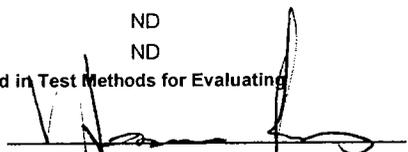
205.345.0816 tel
205.343.0635 fax
www.TTLINC.com

Client: Alabama Department of Transportation
Sample Date: October 27, 2005
Date Analyzed: November 1, 2005
Analyzed By: TTL Personnel (VJB)
Sample Type: Soil
Sampled By: TTL Personnel (RER, KPW, JPL)
Sample Site: Coliseum Boulevard Plume, Montgomery, AL
Sample ID: N 8" Depth
TTL Lab Number: 051027048-001A
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
P O Drawer 1128 (35403)
Tuscaloosa, AL 35401

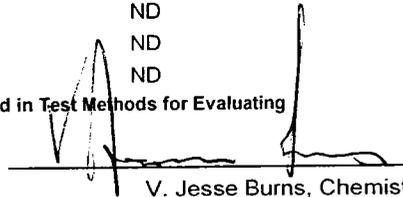
205.345.0816 tel
205.343.0635 fax
www.TTLINC.com

Client: Alabama Department of Transportation
Sample Date: October 27, 2005
Date Analyzed: November 1, 2005
Analyzed By: TTL Personnel (VJB)
Sample Type: Soil
Sampled By: TTL Personnel (RER, KPW, JPL)
Sample Site: Coliseum Boulevard Plume, Montgomery, AL
Sample ID: P 8" Depth
TTL Lab Number: 051027048-002A
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
P O Drawer 1128 (35403)
Tuscaloosa, AL 35401

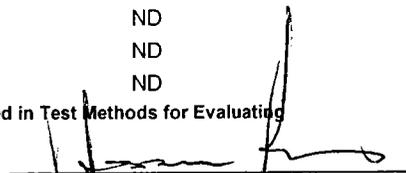
205.345.0816 tel
205.343.0635 fax
www.TTLINC.com

Client: Alabama Department of Transportation
Sample Date: October 27, 2005
Date Analyzed: November 1, 2005
Analyzed By: TTL Personnel (VJB)
Sample Type: Soil
Sampled By: TTL Personnel (RER, KPW, JPL)
Sample Site: Coliseum Boulevard Plume, Montgomery, AL
Sample ID: O 8" Depth
TTL Lab Number: 051027048-003A
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
P O Drawer 1128 (35403)
Tuscaloosa, AL 35401

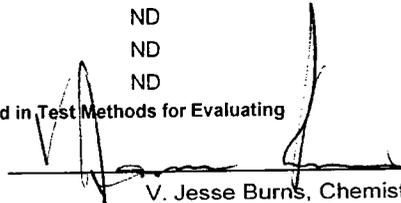
205.345.0816 tel
205.343.0635 fax
www.TTLINC.com

Client: Alabama Department of Transportation
Sample Date: October 27, 2005
Date Analyzed: November 1, 2005
Analyzed By: TTL Personnel (VJB)
Sample Type: Soil
Sampled By: TTL Personnel (RER, KPW, JPL)
Sample Site: Coliseum Boulevard Plume, Montgomery, AL
Sample ID: O Dup 8" Depth
TTL Lab Number: 051027048-004A
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
P O Drawer 1128 (35403)
Tuscaloosa, AL 35401

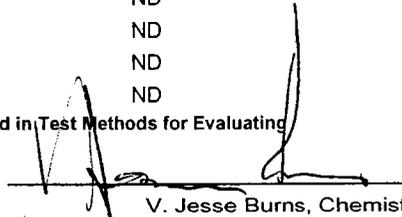
205.345.0816 tel
205.343.0635 fax
www.TTLINC.com

Client: Alabama Department of Transportation
Sample Date: October 27, 2005
Date Analyzed: October 28, 2005
Analyzed By: TTL Personnel (VJB)
Sample Type: Aqueous
Sampled By: TTL Lab Personnel
Sample Site: Coliseum Boulevard Plume, Montgomery, AL
Sample ID: Rinse Blank
TTL Lab Number: 051027048-005A
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.



TTL WORK
ORDER NUMBER
051027048

Chain of Custody Form

Sample Security Requirements

Client: ALDOT
Contact: Brannon McDonald
Mailing Address: 2743-B Gunter Park Drive West
City, State, Zip: Montgomery, Alabama 36109
Phone No.: (334) 244-0766
Date: 10-27-05
Sampled By: RER, KPW, JPL
Sample Site: Coliseum Boulevard Plume Investigation
TTL Job No.: 0700-024 Client P.O. # _____

- Condition of Contents: good
- Sealed for Shipping By: PKW
- Initial Contents Temp.: Ice °C Seal Applied Yes No
- Sampling Station(s): Complete Expected Completion Date _____
- Custody Seal Intact Upon Receipt by Laboratory: Yes No
- Condition of Contents: _____
- Comments: Low Lying Area
- Reporting Status: Routine; ASAP By _____; Rush By _____

Date	Time	Sample ID/Description	Sample Type	Sample Method		# of Containers	Preservatives	Analysis Parameters
				Solid, Etc.	Grab			
10/27	9:45	N 8" Depth	Soliel	X		4	Ice	VOC
	9:55	P						
	10:10	O						
	10:10	O Dup						
10/27	→	Frog Risse Blank	X	X		3	HCL	VOC

CUSTODY TRANSFERS PRIOR TO SHIPPING

SHIPPING DETAILS

Relinquished by: (signed) Date/Time
 1. [Signature] 10/27/05 10:30 AM
 2. [Signature] 10/27/05 1:05 PM
 3. _____

Received by: (signed) Date/Time
 1. [Signature] 10/27/05 10:30 AM
 2. _____
 3. _____

Air Bill #: _____
 Method of Shipment: TTL
 Received By Lab: Angela M. Dukes
 Date/Time: 10/27/05 1:05 PM

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
 Contact: Brannon McDonald
 Mailing Address: 2743-B Gunter Park Drive West
 City, State, Zip: Montgomery, Alabama 36109
 Phone No.: (334) 244-0766
 Date: 10-27-05
 Sampled By: RER, KPW, JPL
 Sample Site: Coliseum Boulevard Plume Investigation
 TTL Job No.: 0700-024 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: _____
7. Comments: low lying area
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			
10-27	7:45	N 8" Depth	Solid	X		4	Ice	VOC
	7:55	P						
	10:10	O						
	10:10	O Dup						
10-27		Raise Blank	X	X		3	Ice	VOC

CUSTODY TRANSFERS PRIOR TO SHIPPING

SHIPPING DETAILS

Relinquished by: (signed) Date/Time

Received by (signed) Date/Time

Air Bill #: _____

1 [Signature] 10/27/05 10:30 AM
 2 [Signature] 10/27/05 1:05 PM
 3 _____

1 [Signature] 10/27/05 10:30 AM
 2 _____
 3 _____

Method of Shipment: TTL

Received By Lab: Angela M. Oudens

Date/Time: 10/27/05 1:05 PM

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.

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

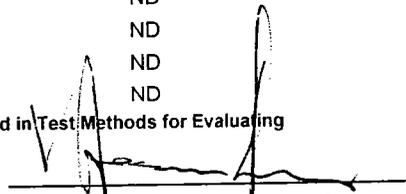
205.345.0816 tel
205.343.0635 fax
www.TTLINC.com

Client: Alabama Department of Transportation
Sample Date: October 27, 2005
Date Analyzed: October 28, 2005
Analyzed By: TTL Personnel (VJB)
Sample Type: Ground Water
Sampled By: TTL Personnel (RER, JPL, KPW)
Sample Site: Coliseum Boulevard Plume, Montgomery, AL
Sample ID: N
TTL Lab Number: 051027047-001A
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:	7.1	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.



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

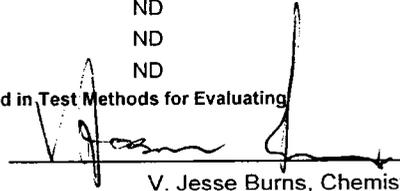
205.345.0816 tel
205.343.0635 fax
www.TTLINC.com

Client: Alabama Department of Transportation
Sample Date: October 27, 2005
Date Analyzed: October 28, 2005
Analyzed By: TTL Personnel (VJB)
Sample Type: Ground Water
Sampled By: TTL Personnel (RER, JPL, KPW)
Sample Site: Coliseum Boulevard Plume, Montgomery, AL
Sample ID: P
TTL Lab Number: 051027047-002A
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:	9.8	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.



3516 Greensboro Avenue
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Tuscaloosa, AL 35401

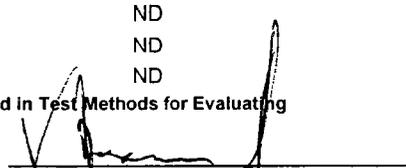
205.345.0816 tel
205.343.0635 fax
www.TTLINC.com

Client: Alabama Department of Transportation
Sample Date: October 27, 2005
Date Analyzed: October 28, 2005
Analyzed By: TTL Personnel (VJB)
Sample Type: Ground Water
Sampled By: TTL Personnel (RER, JPL, KPW)
Sample Site: Coliseum Boulevard Plume, Montgomery, AL
Sample ID: O
TTL Lab Number: 051027047-003A
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:	3.3	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:	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

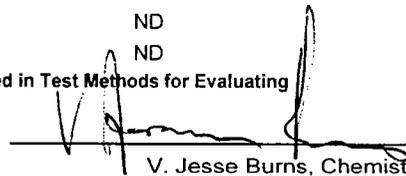
205.345.0816 tel
205.343.0635 fax
www.TTLINC.com

Client: Alabama Department of Transportation
Sample Date: October 27, 2005
Date Analyzed: October 28, 2005
Analyzed By: TTL Personnel (VJB)
Sample Type: Ground Water
Sampled By: TTL Personnel (RER, JPL, KPW)
Sample Site: Coliseum Boulevard Plume, Montgomery, AL
Sample ID: O Dup
TTL Lab Number: 051027047-004A
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:	2.8	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:	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

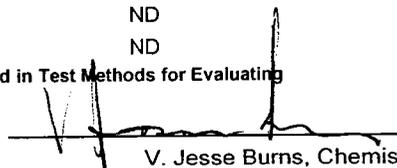
205.345.0816 tel
205.343.0635 fax
www.TTLINC.com

Client: Alabama Department of Transportation
Sample Date: October 27, 2005
Date Analyzed: October 28, 2005
Analyzed By: TTL Personnel (VJB)
Sample Type: Aqueous
Sampled By: TTL Lab Personnel
Sample Site: Coliseum Boulevard Plume, Montgomery, AL
Sample ID: Blank (N, O, O Dup, P)
TTL Lab Number: 051027047-005A
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.



TTL WORK
ORDER NUMBER
051027 047

Chain of Custody Form

Sample Security Requirements

Client: ALDOT
 Contact: Brannon McDonald
 Mailing Address: 2743-B Gunter Park Drive West
 City, State, Zip: Montgomery, Alabama 36109
 Phone No.: (334) 244-0766
 Date: 10-27-05
 Sampled By: Reggie Robinson, Josh Ledford Paul West
 Sample Site: Coliseum Boulevard Plume Investigation
 TTL Job No.: 0700-024 Client P.O. # _____

1. Condition of Contents: good
2. Sealed for Shipping By: AW
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: Low Lying Area
7. Comments: Low Lying Area
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			
10-27	9:45	N ₁	Ag	X		3	HCl	VOC
	9:55	P	↓	↓		↓	↓	↓
	10:10	O	↓	↓		↓	↓	↓
	10:10	O Dup	↓	↓		↓	↓	↓
		Tr. p Blanks	↓	↓		↓	↓	↓

CUSTODY TRANSFERS PRIOR TO SHIPPING

SHIPPING DETAILS

Relinquished by (signed) Date/Time: _____
 Received by (signed) Date/Time: _____
 1. [Signature] 10/27/05 10:30 AM [Signature] 10/27/05 10:30 AM
 2. [Signature] 10/27/05 1:05 PM
 3. _____ 3 _____

Air Bill #: _____
 Method of Shipment: TTL
 Received By Lab: Angela M Dudley
 Date/Time: 10/27/05 1:05 PM

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
 Contact: Brannon McDonald
 Mailing Address: 2743-B Gunter Park Drive West
 City, State, Zip: Montgomery, Alabama 36109
 Phone No.: (334) 244-0756
 Date: 10/27/05
 Sampled By: Reggie Robison Josh Campbell Paul West
 Sample Site: Coliseum Boulevard Plume Investigation
 TTL Job No.: 0700-024 Client P.O. # _____

1. Condition of Contents: good
2. Sealed for Shipping By: AW
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: Low lying Area
7. Comments: Low lying Area
8. Reporting Status: Routine; ASAP By _____; Rush By _____

Date	Time	Sample ID/Description	Sample Type		# of Containers	Preservatives	Analysis Parameters
			Solid, Etc.	Grab Comp			
10/27	9:45	N ₂	A _g	X	3	H ₂ O	VOC
	1:05	P	↓	↓	↓	↓	↓
	10:10	O	↓	↓	↓	↓	↓
	10:10	O Dup	↓	↓	↓	↓	↓
		Tr 2 Blanks	↓	↓	↓	↓	↓

CUSTODY TRANSFERS PRIOR TO SHIPPING

SHIPPING DETAILS

Relinquished by: (signed) Date/Time Received by: (signed) Date/Time

1 [Signature] 10/27/05 10:30 AM [Signature] 10/27/05 10:30 AM

2 [Signature] 10/27/05 1:05 PM _____

3 _____ 3 _____

Air Bill #: _____

Method of Shipment: TTL

Received By Lab: Angela M Dudley

Date/Time 10/27/05 1:05 PM

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