FEBRUARY 2002 STATUS REPORT

COLISEUM BOULEVARD PLUME INVESTIGATION

ALABAMA

DEPARTMENT OF TRANSPORTATION

March 28, 2002

Submitted to:
The Alabama Department of Environmental Management
Montgomery, Alabama

February 2002
Status Report

Water Level Measurements

- February 14, 2002: Depths to ground-water were measured in the piezometers and monitoring wells along the main and west branches of the Kilby Ditch. The ground-water elevations are presented in Table 1.

- February 25 & 26, 2002: Depths to ground-water were measured in all piezometers and monitoring wells associated with the Coliseum Boulevard Plume Investigation. Ground-water elevations on February 25 and 26, 2002 are provided in Table 1 and are shown on Plates 1 and 2. Ground-water elevations and contours for the 100-series "shallow zone" monitoring wells and piezometers are shown on Plate 1 and the 200-series "shallow zone" monitoring wells are shown on Plate 2. The locations of the monitoring wells and piezometers are shown on Figure 1.

Surface Water Sampling

- February 13, 2002: Surface-water samples were collected along the main and west branches of the Kilby ditch and from two storm sewer manholes (SW-15 and SW-16). Locations from which the surface-water samples were collected are shown on Figure 2. The surface water samples were analyzed for VOCs (volatile organic compounds). Results of these analyses are provided in Table 2. On February 13, 2002, 15 out of 17 of the surface water locations (SW-1, SW-2A, SW-2B, SW-3, SW-4, SW-5, and SW-8 thru SW-16) that have been sampled at the site were sampled and analyzed. Surface water sample locations SW-6 and SW-7 were dry on February 13, 2002. Surface water samples at locations SW-1, SW-4, SW-12, and SW-13 did not contain TCE.

Investigation of Elevated Concentrations of TCE near Probehole 12 (Addendum 03 Work Plan)

- February 20 – 27, 2002: Based on the vertical distribution of TCE in ground-water samples from probehole location 2R, continuous collection of ground-water samples (from the water table to the first distinct clay beneath the water table) were collected from "step-out" probehole locations 37, 38, and 39 and from probehole locations 6R, 14R, 22R, 23R, 29R, and 30R. Probehole Locations 6R, 14R, 22R, 23R, 29R, and 30R were probeholes adjacent to previously sampled probeholes 6, 14, 22, 23, 29, and 30, respectively. Locations of the probeholes are shown on Figure 3. Continuous soil samples were collected from probehole locations 37, 38, and 39 and described by an on-site geologist. Boring logs of probehole locations 37, 38, and 39 are provided in Attachment A. Soil and ground-water samples collected from the probeholes were analyzed for VOCs with an on-site field gas chromatograph (GC) equipped with a FID (Flame Ionization Detector). Results of the field GC analyses for VOCs in the soil and ground-water samples are provided in Tables 3 and 4, respectively. Approximately 10 percent of the soil and ground-water samples were split and analyzed by **TTL**'s laboratory in Tuscaloosa, Alabama. These ground-water samples also were analyzed for alkalinity, chloride, nitrate, nitrite, sulfate, and iron (see Table 5) by **TTL**'s laboratory and for methane, ethane, and ethene by Severn Trent Laboratories (STL) in Mobile, Alabama. Laboratory reports of the results of the analyses performed by **TTL** and STL are provided in Attachment B. The ground-water samples that were collected for analyses at the fixed laboratory were measured in the field for pH, conductivity, dissolved oxygen, oxidation-reduction (redox) potential and temperature (see Table 6).

Installation, Development, and Sampling of Monitoring Wells (Addendum 06 Work Plan)

February 4, 12, and 14, 2002: On January 30 and 31, 2002, an eight-inch steel casing was installed to a depth of 83.5 feet below land surface (BLS) as part of installation of a 300-series monitoring well (identified as MW-311). On February 4, 2002, monitoring well MW-311 was completed to a depth of 93.5 feet BLS. Construction characteristics of the monitoring well are provided in Table 7. The boring log of monitoring well MW-311 is provided in Attachment A. On February 12, 2002, the monitoring well was developed. On February 14, 2002, a ground-water sample was collected from monitoring well MW-311. The ground-water sample was shipped to **TTL**'s laboratory in Tuscaloosa, Alabama and analyzed for VOCs (see Table 8). The laboratory report of the results of the analyses for

VOCs in the ground-water sample from monitoring well MW-311 is provided in Attachment B. The ground-water sample collected from monitoring well MW-311 did not contain detectable TCE; however, chloroform [estimated concentration of 1.2 micrograms per liter (µg/l)] was detected. Prior to collecting the ground-water sample, monitoring well MW-311 was purged until field parameters (pH, conductivity, and turbidity) stabilized. Results of the field parameter measurements during development and purging of the monitoring well are provided in Attachment C.

Deep Zone Assessment

February 5 – 15, 2002: Four exploratory borings (DZ 5 through DZ 8) were drilled to the top of the Gordo Formation using sonic drilling. The boring logs for exploratory borings (DZ 5 through DZ 8) are provided in Attachment A. The locations of these borings are shown on Figure 1. Soil/sediment samples were collected, with Shelby tubes, from three of the borings and submitted for laboratory measurements of hydraulic conductivity and grain-size analyses. Shelby tubes were used to collect samples of the first distinct clay beneath the water table at borings DZ 5, DZ 6, and DZ 7. The attempt to collect a sample of the first distinct clay beneath the water table at boring DZ 8 was unsuccessful. The Shelby tubes were transported to **TTL**'s laboratory in Tuscaloosa, Alabama for measurement of hydraulic conductivity. The Shelby tube samples from borings DZ 5, DZ 6, and DZ 7 had hydraulic conductivities of 5.8×10^{-7} cm/sec (centimeter per second), 7.4×10^{-7} cm/sec, and 5.9×10^{-8} cm/sec, respectively (see Attachment B).

A total of nine soil/sediment samples were collected from the four borings and submitted for laboratory analyses for VOCs (see Table 9). At each boring, a soil/sediment sample was collected from the top of the first distinct clay beneath the water table and from the top of the next (for example, deeper) distinct clay. A third soil/sediment sample (at 11 feet BLS) also was collected from boring DZ 8 for VOC analysis based on a PID measurement of 2.4 parts per million. No ionizable vapors were detected in any of the other soil/sediment samples. The soil/sediment sample from 38 feet BLS from boring DZ 5, which was from the top of the first distinct clay beneath the water table, contained an estimated concentration of 3.3 micrograms per kilogram of TCE. Boring DZ 5 was east of the entrance to the Montgomery Zoo near the Chisholm Community Center Ball Fields. VOCs were not detected in any of the other soil/sediment samples (see Table 9). Laboratory reports of the results of the analyses for VOCs in the soil/sediment samples are provided in Attachment B.

Ground-water samples were collected from each of the borings and submitted for laboratory analysis for VOCs (see Table 10). The ground-water samples were collected

from the second saturated zone [zone that is between the first distinct clay beneath the water table and the next (for example, deeper) clay]. These ground-water samples were collected by temporarily setting an 8-inch override casing into the upper few feet of the first distinct clay beneath the water table. A six-inch casing then was extended through the 8-inch temporary casing and into the upper few feet of the Gordo Formation. The top of the Gordo Formation was about 20 feet below the bottom of the first distinct clay at borings DZ 5, DZ 6, and DZ 8 and about 30 feet below the bottom of the first distinct clay at boring DZ 7. The end of the 6-inch casing then was retracted to the lower 5 feet of the second saturated zone. A five-foot-long stainless steel screen, connected to stainless steel riser pipe, then was inserted through the inside of the 6-inch override casing. Prior to collecting each ground-water sample, a Grundfos pump was used to purge about 100 gallons of water slowly from each boring. The ground-water samples were transported to **TTL**'s laboratory for analyses for VOCs. The results of these analyses are provided in Table 10. None of the ground-water samples contained TCE. Small concentrations of other VOCs were detected in the ground-water samples. Toluene was detected in each of the ground-water samples. Xylenes and chloroform were detected in two ground-water samples. Bromodichloroethane was detected in one ground-water sample.

Upon completion of sample collection, each boring was pressure-grouted to land surface with a bentonite grout.

Construction and Sampling of CMT Wells

- February 13, 14, and 21, 2002: On February 13 and 14, 2002 continuous multi-channel tubing (CMT) wells, identified as CMT#1 and CMT#2, were constructed adjacent to probehole locations 2R (Gardendale Dr.) and 9R (Broadway Street), respectively. Locations of the CMT wells are shown on Figure 1. The boreholes of the wells were drilled using sonic drilling methods. Construction characteristics of the wells are provided in Table 11. Boring logs of locations 2R and 9R and corresponding CMT well diagrams are provided in Attachment A. The wells are each comprised of 7 screened intervals (referenced as "ports"). With the exception of the bottom port, each port (screen) is approximately 3.5-inches long, and covered with a 100-mesh wire wrap screen. The bottom port is an approximately ¼ -inch diameter hole that is covered with the wire mesh. The ports of CMT wells #1 and #2 are within intervals from which ground-water samples were collected from their respective adjacent probehole (2R and 9R). On February 21, 2002, ground-water samples were collected from within each port of the CMT wells with the exception of port #4 (screened interval of 31.6 to 31.9 feet

BLS) of CMT #1. Bentonite is most-likely within the screened interval of this port. Prior to collection of the ground-water samples, the depth to water in each port was measured (see Table 12). After measuring depths to water, each port was purged using a peristaltic pump. A total of about 3 gallons of water were removed from each CMT well prior to sample collection. During sample collection, the tubing from the pump was disconnected and withdrawn from the port. The water samples were collected by pouring the water from the bottom end of the tubing (end previously inside the port). Six ground-water samples were collected from CMT #1 and seven ground-water samples were collected from CMT #2 and analyzed for VOCs. Two ground-water samples (from ports 3 and 5 from CMT #1) were analyzed by a field GC (see Table 13). The remaining samples were transported to **TTL**'s laboratory for analyses. Results of the analyses for VOCs in the ground-water samples are provided in Table 13. Laboratory reports of these analyses are provided in Attachment B. Generally, results of ground-water samples collected from the CMT wells were lower than results of ground-water samples collected with the Geoprobe from corresponding intervals. These differences may be attributed to low volumes developed from each port of the CMT sampler or differences in screen lengths of the ports. The CMT wells will be redeveloped and resampled in March for further evaluation.

Water Treatment

- February 4 – 19, 2002: Water accumulated during well installation, decontamination of equipment, well development, purging, and sampling during the month of February 2002 was treated through a liquid–phase carbon filter treatment system at the ALDOT staging area. A total of 1,481 gallons of water were treated (see Table 14). The treated water was discharged into the sanitary sewer at the staging area. Samples were collected daily from water discharged from the first carbon filter to monitor for breakthrough and the third carbon filter to monitor for compliance with the Montgomery Water Works and Sanitary Sewer Board discharge requirements. The water samples were submitted for VOC analyses. Results of these analyses are provided in Table 14. Laboratory reports of the analytical results for samples collected through the month of February are provided in Attachment B.

"Low Lying" Areas

- February 13 and 14, 2002: Soil/sediment and surface water samples were collected at 16 previously selected locations (see Figure 4) in the "low lying" areas and submitted for VOC analyses. The results of the analyses for VOCs in the soil/sediment and surface water samples are provided in Table 15 and are shown on Figure 4. Laboratory reports of the analyses are provided in Attachment B.

Quality Assurance/Quality Control

- During field activities in February 2002, quality assurance/quality control measures were performed. Equipment rinse samples were collected and trip blank samples accompanied water samples that were submitted for analyses for VOCs. Results of the analyses for VOCs in the rinse and trip blank samples are provided in Table 16. Laboratory reports of the analyses are provided in Attachment B.

TABLES

Table 1a. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (ALDOT Central Complex)									
	ALDOT MW1	ALDOT MW2	ALDOT MW3	ALDOT MW4	ALDOT MW5	ALDOT MW6	ALDOT MW7	ALDOT MW8	ALDOT MW9	
Elevation of Measuring Point (ft. AMSL)[1]	218.42	218.76	211.01	213.79	218.06	218.76	217.97	218.62	216.97	
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
3/7/01	194.68	194.67	194.79	194.71	194.43	194.06	194.55	194.56	194.32	
3/23/01			195.68							
4/20/01	196.39	197.01	196.63	196.42	195.99	195.53	196.18	196.57	196.70	
5/4/01			196.61							
5/16/01	196.52	196.97	196.50	196.29	195.95	195.66	196.03	196.41	196.76	
6/14/01	196.37	196.66	196.32	196.10	195.86	195.72	197.02	196.51	196.49	
6/26/01			196.33							
7/13/01	196.55	196.80	196.44	194.32	196.03	195.81	196.10	196.61	---[2]	
8/9/01	196.33	196.54	196.24	196.04	195.79	195.63	195.96	196.43	196.37	
9/7/01	196.31	196.43	196.17	195.99	195.78	195.72	195.74	196.47	196.34	
10/3/01	196.08	196.19	195.91	195.79	195.59	195.50	195.53	196.25	196.16	
10/31/01	196.39	195.86	195.60	195.19	195.23	195.16	195.21	195.92	195.80	
12/3/01*	195.32	195.39	195.20	195.01	194.86	195.25	194.95	195.52	195.33	
12/14/01			195.09							
12/27/01	195.06	195.19	195.05	194.89	194.70	195.68	194.70	195.30	195.09	
1/11/02			194.97							
1/21-22/02	194.81	195.01	194.94	194.78	194.48	195.58	194.46	195.32	194.92	
2/14/02			195.32							
2/25/02	195.37	195.34	195.36	195.20	194.95	194.71	195.02	195.35	195.10	

Note:

[1] Feet above mean sea level. Elevations of land surface and measuring points of monitoring wells at ALDOT Complex and piezometers PZ5 through PZ16 and PD-1 through PD-4 were surveyed by Larry E. Speaks & Associates. Elevations of land surface and measuring points of Alfa monitoring wells and piezometers PZ1 through PZ4 were surveyed by Goodwyn, Mills & Cawood.

[2] ALDOT monitoring well MW-9 was not accessible because the gate was locked.

* Depth to water not measured in November 2001 due to scheduling conflicts.

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Table 1b. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers)									
	PZ1	PZ2	PZ3	PZ4	PZ5	PZ6	PZ7	PZ8	PZ9	PZ10
Elevation of Measuring Point (ft. AMSL)[1]	220.93	207.20	220.50	216.19	204.72	212.41	206.20	209.51	205.12	213.93
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
3/7/01	194.26	196.15	194.38	187.74	196.27	193.42	196.20	196.05	194.22	193.18
3/23/01										
4/5/01										
4/20/01	197.05	197.53	196.78	191.13	197.80	196.29	197.85	197.91	195.99	196.68
5/4/01										
5/16/01	196.81	197.44	196.75	190.34	196.62	195.64	197.21	196.81	194.69	195.93
6/1/01										
6/14/01	196.82	196.84	196.65	191.22	196.81	---[2]	196.84	193.16	194.61	195.73
6/26/01										
7/13/01	196.67	197.00	196.56	191.07	197.15		197.16	196.87	194.96	195.79
7/26/01										
8/9/01	196.56	197.43	196.35	190.83			196.54	199.08	194.15	195.44
8/24/01										
9/7/01	196.56	196.35	196.50	190.84	196.18		196.19	195.64	193.63	195.28
9/20/01										
10/3/01	196.17	195.70	196.15	190.39	195.59		195.58	194.95	193.06	194.97
10/15/01										
10/31/01	195.39	195.25	195.78	187.99	195.07		195.05	194.26	192.40	194.53
12/3/01*	---[3]	191.50	195.49	188.28	194.62		194.69		191.81	193.91
12/14/01										
12/27/01	195.01	194.99	195.07	188.93	194.82		194.76	193.90	191.75	193.63
1/11/02										
1/21-22/02	194.83	191.85	195.00	188.47	194.88		194.80	193.21	191.37	193.52
2/14/02										
2/26/02	193.88	191.89	194.96	188.48	195.23		194.85	193.16	187.84	191.78

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Table 1b. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers) - Continued									
	PZ11	PZ12	PZ13	PZ14	PZ15	PZ16				
Elevation of Measuring Point (ft. AMSL)[1]	211.76	212.26	207.95	204.54	220.37	193.44				
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
3/7/01	188.16	196.08	196.75	196.20	180.06	188.55				
3/23/01						188.65				
4/5/01						188.58				
4/20/01	191.66	198.26	196.12	197.95	183.32	187.68				
5/4/01						187.34				
5/16/01	190.85	197.03	195.42	197.37	184.08	187.15				
6/1/01						187.10				
6/14/01	190.77	197.21	195.77	197.01	183.91	184.56				
6/26/01						187.45				
7/13/01	190.95	197.35	195.97	197.13	183.79	187.58				
7/26/01						187.27				
8/9/01	190.45	196.68	198.52	196.56	183.66	187.24				
8/24/01						187.17				
9/7/01	190.08	196.12	198.35	196.03	183.41	187.09				
9/20/01						186.95				
10/3/01	189.69	195.26	195.00	195.19	183.12	186.78				
10/15/01						188.29				
10/31/01	189.10	194.62	194.75	194.63	182.59	186.70				
12/3/01*	188.42	194.36	194.65	194.44	182.02	186.75				
12/14/01						187.04				
12/27/01	188.08	194.46	194.95	194.62	181.54	186.99				
1/11/02						186.93				
1/21-22/02	188.15	194.63	194.85	189.30	181.82	187.03				
2/14/02						187.59				
2/26/02	185.44	192.32	188.01	189.58	176.98	184.42				

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Table 1b. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers) - Continued									
	PD1	PD2	PD3	PD4	PD-101	PD-102	PD-103	PD-104	PD-105	PD-106
Elevation of Measuring Point (ft. AMSL)[1]	205.97	201.74	202.52	202.15	200.76	205.52	208.29	200.01	199.20	199.59
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
3/7/01	195.44	195.25	193.37	194.56	193.94	193.52	194.39	188.83	191.18	185.10
3/23/01	196.47	196.09	193.51	194.73	193.92	194.07	195.08	188.86	191.36	190.19
4/5/01	197.09	196.51	193.44	194.77	193.92	194.02	195.05	188.87	191.31	185.10
4/20/01	196.51	196.20	192.89	194.59	193.66	193.40	194.34	188.86	190.92	185.09
5/4/01	196.37	196.02	192.62	194.43	193.51	193.02	193.99	188.86	190.74	185.14
5/16/01	196.17	195.83	192.42	194.25	193.39	192.72	193.69	194.12	190.60	184.98
6/1/01	196.03	195.66	192.35	194.13	193.36	192.52	193.45	188.86	190.68	185.06
6/14/01	196.03	195.73	188.28	194.20	193.39	189.17	189.54	188.86	190.60	184.62
6/26/01	196.07	195.73	192.56	194.23	193.47	192.69	193.64	188.86	190.63	185.09
7/13/01	196.86[4]	195.98	192.77	194.40	193.66	191.99	193.98	191.30	190.77	189.30
7/26/01	197.03[4]	195.74	192.49	194.54	193.71	195.79	193.90	188.99	190.78	189.19
8/9/01	195.98	195.60	192.37	194.16	193.41	195.54	Dry	189.85	190.51	182.96
8/15/01			192.78[5]	194.44[5]	193.70[5]	199.44[5]		188.97[5]	190.85[5]	
8/21/01	---[6]	195.56[7]	192.42[7]	194.17[7]	193.61[7]	195.70[7]	193.59[7]	188.81[7]	188.05[7]	185.10[7]
8/24/01	195.91	195.55	192.39	194.15	193.40	192.53	193.51	188.85	190.48	185.12
9/7/01	195.79	195.45	192.27	193.95	193.48	192.48	193.54	188.86	190.60	185.29
9/20/01	195.62	195.28	192.14	193.92	193.24	192.29	193.14	188.87	190.36	185.13
10/3/01	195.45	194.94	191.98	194.05	193.27	192.13	202.94	188.96	190.48	185.31
10/15/01	195.37	195.09	191.92	193.72	193.01	191.93	192.84	191.16		188.59
10/31/01	195.16	194.84	191.74	193.55	192.86	191.76	192.69	188.84	190.12	185.12
12/3/01*	194.82	194.64	191.60	193.35	192.71	191.51	192.35	188.75	189.95	185.09
12/14/01	194.87	194.64	191.97	193.64	193.06	191.49	192.38	188.96	190.33	185.07
12/27/01	194.75	194.63	191.87	193.46	192.85	191.67	192.68	191.81	190.20	185.10
1/11/02	194.57	194.44	192.01	191.95	192.94	191.62	192.39	188.71	190.19	185.03
1/21-22/02	194.55	189.29	192.37	192.03	188.51	192.04	192.69	188.76	190.56	184.79
2/14/02	195.27	195.16	192.65	194.07	193.38	192.70	193.56	188.19	190.69	184.74
2/26/02	194.82	----[8]	192.28	192.01	188.53	192.32	192.99	188.44	190.50	183.73

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Table 1b. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Piezometers) - Continued									
Elevation of Measuring Point (ft. AMSL)[1]	PD-107	PD-108	PD-109							
	205.63	205.58	204.59							
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
3/7/01	188.03	194.87								
3/23/01	188.09	195.63	194.62							
4/5/01	188.07	195.88	194.54							
4/20/01	188.04	191.08	Dry							
5/4/01	187.97	191.03	Dry							
5/16/01	188.12	191.08	Dry							
6/1/01	188.05	191.08	Dry							
6/14/01	188.08	191.04	Dry							
6/26/01	188.07	191.09	Dry							
7/13/01	188.05	191.07	Dry							
7/26/01	195.12	195.73	Dry							
8/9/01	194.93	195.38	Dry							
8/15/01	188.13[5]	191.03[5]								
8/21/01	188.03[7]	190.78[7]	Dry							
8/24/01	188.05	191.08	Dry							
9/7/01	194.76		Dry							
9/20/01	194.52		Dry							
10/3/01	188.03	Abandoned	Dry							
10/15/01	193.88		Dry							
10/31/01	188.01		Dry							
12/3/01*	193.13		Dry							
12/14/01	188.18		Dry							
12/27/01	187.99		Dry							
1/11/02	187.78		Dry							
1/21-22/02	187.85		Dry							
2/14/02	187.80		Dry							
2/26/02	187.87		Dry							

Note:

[1] Feet above mean sea level. Elevations of land surface and measuring points of monitoring wells at ALDOT Complex and piezometers PZ5 through PZ16 and PD-1 through PD-4 were surveyed by Larry E. Speaks & Associates. Elevations of land surface and measuring points of Alfa monitoring wells and piezometers PZ1 through PZ4 were surveyed by Goodwyn, Mills & Cawood.

[2] PZ-6 could not located because it was covered due to road construction.

[3] PZ-1 was not measured on 12/3/01 because a car was parked over the piezometer well.

[4] Based on mini troll data.

[5] Swabbed prior to measuring depth to water.

[6] Mini troll data logger in piezometer.

[7] Measured during coffer dam study.

[8] The depth to water was not measured at PD-2 on 2/26/02 due to mud covering the tip of the measuring probe.

* Depths to water were not measured in November due to scheduling conflicts.

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Table 1c. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Alfa Monitoring Wells Vista View Development)									
	Alfa MW-1	Alfa MW-2	Alfa MW-3	Alfa MW-4	Alfa MW-5					
Elevation of Measuring Point (ft. AMSL)[1]	213.53	206.01	209.67	213.18	203.42					
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
3/7/01	194.48	196.06	195.52	194.41	188.45					
3/23/01					188.63					
4/5/01			194.88		188.43					
4/20/01	196.08	186.53	197.47	195.66	187.81					
5/4/01					187.36					
5/16/01	195.78	194.62	196.97	195.59	187.10					
6/1/01					187.02					
6/14/01	---[2]	---[2]	---[2]	---[2]	187.17					
7/13/01	195.86	195.16	196.96	195.67	187.36					
7/26/01					187.49					
8/9/01	195.43		196.52	195.44	187.19					
8/21/01	195.43[3]									
8/24/01			194.97		184.77					
9/4/01			198.27		187.05					
9/7/01		194.21		195.38	186.93					
9/20/01			194.71		186.82					
10/3/01	195.08	193.67	195.87	203.14	186.70					
10/15/01					186.72					
10/31/01	195.27	196.37	194.41	194.88	186.84					
12/3/01*	194.43	193.24	195.04	194.47	186.51					
12/14/01					185.92					
12/27/01	194.38	193.61	194.99	194.29	186.98					
1/11/02					186.87					
1/22/02	194.38	191.40	197.83	194.18	187.24					
2/14/02					187.64					
2/26/02	194.89	194.23	195.38	194.52	187.16					

Note:

[1] Feet above mean sea level. Elevations of land surface and measuring points of monitoring wells at ALDOT Complex and piezometers PZ5 through PZ16 and PD-1 through PD-4 were surveyed by Larry E. Speaks & Associates. Elevations of land surface and measuring points of Alfa monitoring wells and piezometers PZ1 through PZ4 were surveyed by Goodwyn, Mills & Cawood.

[2] The Alfa monitoring wells were inadvertently not measured on 6/14/01.

[3] Measured during coffer dam study.

* Depths to water were not measured in November due to scheduling conflicts.

Continued on next page

Table 1d. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (Monitoring Wells Kilby Ditch)									
	MW 101	MW 201	MW 102	MW 202	MW 103	MW 203	OW-2	OW-3	OW-4	Pump Test Well
Elevation of Measuring Point (ft. AMSL)[1]	202.44	202.43	200.49	200.64	206.81	206.91	203.05	203.53	200.52	206.01
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
5/16/01	194.32	194.23	190.68	190.50	193.09	192.96				
6/1/01	194.19	194.10	190.67	190.58	192.86	192.75				
6/14/01	194.23	194.14	190.79	190.54	192.79	192.74				
6/26/01	194.29	194.21	190.88	190.65	193.12	192.89				
7/13/01	194.48	194.86	191.06	190.82	193.49	193.22				
7/26/01	194.32	194.24	190.74	190.59	193.10	192.91	194.36	194.42	193.67	194.29
8/9/01	194.18	194.10	190.70	190.49	192.96	192.77	194.21	194.28	193.57	194.45
8/15/01[2]	194.28	194.19								
8/21/01[3]	194.22	194.14	190.64	190.41	193.02	192.88	194.26	194.31	193.58	194.18
8/24/01	194.16	194.08	190.69	190.39	192.94	192.76	194.20	194.26	193.58	194.13
9/7/01	194.09	193.98	190.65	192.34	192.69	192.57	194.11	194.18		197.21
9/20/01	193.96	193.89	190.48	190.23	192.50	192.43	194.05	194.04		197.12
10/3/01	193.84	193.77	190.29	190.10	192.32	192.25	193.85	193.93	Abandoned	196.93
10/15/01	193.74	193.67	190.57	190.14	192.27	192.16	193.77	193.78		196.90
10/31/01	193.60	193.51	190.29	190.08	192.08	192.00	193.62	193.63		196.76
12/3/01*	193.19	193.30	190.28	190.14	190.98	191.71	193.39	193.13		196.57
12/14/01	193.64	194.06	190.60	190.44	191.79	191.74	193.61	193.63		196.79
12/27/01	193.49	193.43	190.67	190.38	191.96	191.86	193.50	193.53		196.65
1/11/02	193.48	193.43	190.69	190.39	191.96	191.84	193.50	193.39		196.64
1/22/02	193.79	193.70	191.29	190.83	192.55	192.20	193.35	193.78		196.96
2/14/02	194.14	194.06	191.31	190.98	193.37	192.90	194.15	194.19		197.29
2/26/02	193.92	193.85	190.92	190.67	192.76	192.52	193.96	193.99		197.09

Note:

[1] Feet above mean sea level. Elevations of land surface and measuring points of monitoring wells were surveyed by Larry E. Speaks & Associates.

[2] Swabbed prior to measuring depth to water.

[3] Measured during coffer dam study.

* Depths to water were not measured in November due to scheduling conflicts.

Continued on next page

Table 1e. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells)									
	MW 104	MW 204	MW304	MW 105	MW 205	MW 106	MW 206	MW 107	MW 207	
Elevation of Measuring Point (ft. AMSL)[1]	217.68	217.91	217.64	216.63	217.04	222.24	222.17	222.33	222.42	
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
7/13/01			195.64							
8/9/01			195.46							
9/7/01			195.45							
10/3/01			195.22							
10/31/01			194.94							
12/3/01*			194.54							
12/27-28/01	194.75	194.76	194.38	195.21	195.20	195.14	195.17	195.18	195.14	
1/21-22/02	194.47	194.51	194.23	195.03	195.04	194.89	194.95	194.98	195.00	
2/25-26/02	194.96	194.98	194.59	195.23	195.23	195.16	195.18	195.26	195.29	

Continued on next page

Table 1e. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
	MW 108	MW 208	MW 109	MW 209	MW 210	MW 111	MW 211	MW 311	MW 112	MW 212
Elevation of Measuring Point (ft. AMSL)[1]	212.59	212.76	220.91	220.31	188.74	211.52	211.75	210.82	220.34	220.40
Date of	Ground-Water Elevation (ft. AMSL)[1]									
7/13/01										
8/9/01										
9/7/01										
10/3/01										
10/31/01										
12/3/01*										
12/27-28/01	195.09	195.11	195.26	195.21	185.76	173.52	173.30		191.61	191.65
1/21-22/02	195.03	195.06	195.05	195.10	185.59	173.17	172.95		191.63	191.55
2/25-26/02	195.38	195.40	195.39	195.37	186.19	172.91	172.74	173.06	191.97	191.91

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Table 1e. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
	MW 113	MW 213	MW 214	MW 214A	MW 115	MW 215	MW 116	MW 216	MW 117	MW 217
Elevation of Measuring Point (ft. AMSL)[1]	207.37	207.41	174.73	174.71	212.06	211.81	194.02	194.04	218.90	218.86
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
7/13/01										
8/9/01										
9/7/01										
10/3/01										
10/31/01										
12/3/01*										
12/27-28/01	194.97	194.96	167.75	166.11	194.68	194.17	185.58	185.47	182.57	182.06
1/21-22/02	195.17	195.07	169.93	166.69	194.74	194.21	185.69	185.53	181.73	181.56
2/25-26/02	195.36	195.36	168.27	167.25	195.14	194.58	185.84	185.67	181.45	181.33

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Table 1e. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
Elevation of Measuring Point (ft. AMSL)[1]	MW 118	MW 218	MW 219	MW 220	MW 221	MW 122	MW 222	MW 123	MW 223	
	203.18	203.23	202.88	219.25	183.60	214.65	214.47	216.44	216.34	
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
7/13/01										
8/9/01										
9/7/01										
10/3/01										
10/31/01										
12/3/01*										
12/28/01	191.44	191.34	193.48	193.28	166.78	194.15	194.06	194.28	194.20	
1/21-22/02	191.62	191.53	194.55	193.22	166.68	194.04	193.77	194.02	193.97	
2/25-26/02	192.07	192.00	194.31	193.47	166.96	194.25	194.12	194.05	193.96	

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Table 1e. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
	MW 124	MW 224	MW 125	MW 225	MW 226	MW 227	MW 128	MW 228	MW 129	MW 229
Elevation of Measuring Point (ft. AMSL)[1]	219.11	219.25	206.43	206.32	203.61	205.16	212.11	212.23	214.62	214.32
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
7/13/01										
8/9/01										
9/7/01										
10/3/01										
10/31/01										
12/3/01*										
12/28/01	189.71	190.08	188.71	188.78	188.66	194.39	191.41	191.42	194.58	194.22
1/21-22/02	190.11	190.13	188.81	188.83	188.79	194.44	191.31	191.26	194.56	194.55
2/25-26/02	190.69	190.68	189.25	189.24	189.13	194.94	191.63	191.58	195.04	195.03

Continued on next page

Table 1e. Ground-water elevations; February 2002 Status Report; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

	Well Identifier (100-, 200-, and 300- Series Monitoring Wells) - Continued									
Elevation of Measuring Point (ft. AMSL)[1]	MW 130	MW 230	MW 131	MW 231	MW 132	MW 232	MW 133	MW 233	MW 134	MW 234
	215.71	215.68	205.92	205.92	215.20	215.25	205.04	204.90	209.33	209.51
Date of Measurement	Ground-Water Elevation (ft. AMSL)[1]									
7/13/01										
8/9/01										
9/7/01										
10/3/01										
10/31/01										
12/3/01*										
12/27-28/01	194.37	194.38	194.87	194.89	193.00	192.96	194.42	194.49	194.07	194.06
1/21-22/02	194.29	194.31	195.01	195.04	192.75	192.66	194.59	194.43	193.88	194.01
2/25-26/02	194.64	194.70	195.31	195.29	192.95	192.89	194.94	194.89	194.47	194.57

Note:

[1] Feet above mean sea level. Elevations of land surface and measuring points of monitoring wells were surveyed by Larry E. Speaks & Associates.

* Depths to water were not measured in November due to scheduling conflicts.

Table 2. Results of analyses[1] of surface-water samples; February 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 2.]

	SAMPLE SITE																			
	SW-1*	SW-2*	SW-2A*	SW-2B*	SW-3**	SW-4*	SW-5*	SW-5A*	SW-5B**	SW-6**	SW-7**	SW-8**	SW-9**	SW-10**	SW-11**	SW-12	SW-13	SW-14	SW-15***	SW-16****
	Concentrations are expressed in micrograms/liter																			
	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]
July 24, 2000 (No storm events several days prior to sampling)																				
Trichloroethylene	NS	15	----	----	10.2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
cis,1,2-Dichloroethene	NS	2.5	----	----	2.8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Toluene	NS	13.4	----	----	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloroform	NS	3.2	----	----	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
August 2, 2000 (Storm event during sampling)																				
Trichloroethylene	<1.0	<1.0	----	----	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
August 11, 2000 (Storm event prior evening - August 10, 2000)																				
Trichloroethylene	<1.0	<1.0	----	----	2.1	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Toluene	<1.0	1.1	----	----	<1.0	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
September 18, 2000																				
Trichloroethylene	NS	<1.0	----	----	2.1	NS	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Bromodichloromethane	NS	6.2	----	----	1.8	NS	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Dibromochloromethane	NS	1.5	----	----	<1.0	NS	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloroform	NS	41.6	----	----	10.3	NS	----	----	----	----	----	----	----	----	----	----	----	----	----	----
November 9, 2000 (Storm event during sampling)																				
Trichloroethylene	<1.0	<1.0	----	----	<1.0	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
December 15, 2000																				
Trichloroethylene	<1.0	<1.0	----	----	8.1	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Toluene	<1.0	2.5	----	----	<1.0	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
January 31, 2001																				
Trichloroethylene	<1.0	34.5	----	----	17.4	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloroform	<1.0	1.3	----	----	<1.0	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
February 27, 2001																				
Trichloroethylene	<1.0	100	----	----	21.1	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1,1-Dichloroethene	<1.0	1.1	----	----	<1.0	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
cis,1,2-Dichloroethene	<1.0	1.5	----	----	1.4	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Chloroform	<1.0	1.2	----	----	<1.0	<1.0	----	----	----	----	----	----	----	----	----	----	----	----	----	----
March 30, 2001																				
Trichloroethylene	<1.0	156	----	----	68.0	<1.0	157	----	----	<1.0	<1.0	51.9	33.8	19.7	18.3	<1.0	3.4	----	----	----
1,1-Dichloroethene	<1.0	2.0	----	----	<1.0	<1.0	1.1	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----	----
cis,1,2-Dichloroethene	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	----	----	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----	----
April 26, 2001																				
Trichloroethylene	<1.0	156	----	----	66.6	NS	88.8	----	----	NS	NS	46.4	21.9	16.7	15.7	1.8	<1.0	----	----	----
1,1-Dichloroethene	<1.0	2.0	----	----	<1.0	NS	1.0	----	----	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----	----
cis,1,2-Dichloroethene	<1.0	<1.0	----	----	<1.0	NS	<1.0	----	----	NS	NS	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	----	----	----
May 25, 2001																				
Trichloroethylene	<1.0	140	----	----	24.3	<1.0	95.5	----	----	<1.0	<1.0	23.8	31.6	21.7	21.3	1.4	<1.0	----	----	----
1,1-Dichloroethene	<1.0	1.6	----	----	<1.0	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----	----
cis,1,2-Dichloroethene	<1.0	<1.0	----	----	<1.0	<1.0	1.1	----	----	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	----	----	----

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Table 2. Results of analyses[1] of surface-water samples; February 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 2.]

	SAMPLE SITE																			
	SW-1*	SW-2*	SW-2A*	SW-2B*	SW-3**	SW-4*	SW-5*	SW-5A*	SW-5B**	SW-6**	SW-7**	SW-8**	SW-9**	SW-10**	SW-11**	SW-12	SW-13	SW-14	SW-15***	SW-16****
	Concentrations are expressed in micrograms/liter																			
	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]
June 7, 2001																				
Trichloroethylene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	21.4	----	----
June 21, 2001																				
Trichloroethylene	<1.0	118	----	----	39.6	<1.0	87.9	----	----	<1.0	<1.0	19.4	15.6	9.8	10.5	1.1	<1.0	14.8	----	----
1,1-Dichloroethene	<1.0	1.2	----	----	<1.0	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
cis,1,2-Dichloroethene	<1.0	<1.0	----	----	<1.0	<1.0	1.2	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
Chloroform	<1.0	3.4	----	----	<1.0	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
Chloromethane	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	----	----
July 24, 2001																				
Trichloroethylene	<1.0	154	----	----	46.0	NS	68.2	----	----	NS	NS	25.4	15.1	5.9	6.3	<1.0	<1.0	12.0	----	----
1,1-Dichloroethene	<1.0	1.5	----	----	<1.0	NS	<1.0	----	----	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
cis,1,2-Dichloroethene	<1.0	<1.0	----	----	<1.0	NS	1.0	----	----	NS	NS	1.3	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
August 17, 2001																				
Trichloroethylene	<1.0	191	----	----	39.9	NS	66.6	----	----	NS	<1.0	18.4	6.0	5.6	7.0	<1.0	<1.0	6.4	----	----
1,1-Dichloroethene	<1.0	1.2	----	----	<1.0	NS	1.7	----	----	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
August 22, 2001 (3:30 p.m.)																				
Trichloroethylene	----	----	87.3	195	----	----	63.3	----	----	----	----	----	----	----	----	----	----	10.2	227	295
cis,1,2-Dichloroethene	----	----	9.1	<1.0	----	----	1.4	----	----	----	----	----	----	----	----	----	----	<1.0	<1.0	<1.0
Vinyl Chloride	----	----	1.8	<1.0	----	----	<1.0	----	----	----	----	----	----	----	----	----	----	<1.0	<1.0	<1.0
1,1-Dichloroethene	----	----	<1.0	2.4	----	----	<1.0	----	----	----	----	----	----	----	----	----	----	<1.0	5.6	3.4
Chloroform	----	----	<1.0	<1.0	----	----	<1.0	----	----	----	----	----	----	----	----	----	----	1.3	<1.0	<1.0
August 22, 2001 (9:55 p.m.)																				
Trichloroethylene	----	----	143	174	----	----	69.3	----	----	----	----	----	----	----	----	----	----	9.4	222	300
cis,1,2-Dichloroethene	----	----	16.8	<1.0	----	----	1.5	----	----	----	----	----	----	----	----	----	----	<1.0	<1.0	<1.0
Vinyl Chloride	----	----	2.9	<1.0	----	----	<1.0	----	----	----	----	----	----	----	----	----	----	<1.0	<1.0	<1.0
1,1-Dichloroethene	----	----	1.5	2.1	----	----	<1.0	----	----	----	----	----	----	----	----	----	----	<1.0	5.9	3.6
Chloroform	----	----	<1.0	<1.0	----	----	<1.0	----	----	----	----	----	----	----	----	----	----	1.3	<1.0	<1.0
Chloromethane	----	----	1.2	<1.0	----	----	2.3	----	----	----	----	----	----	----	----	----	----	<1.0	<1.0	<1.0
August 23, 2001 (8:30 a.m.)[3]																				
Trichloroethylene	----	----	116	146	----	----	----	62.3	<1.0	----	----	----	----	----	----	----	----	9.6	212	252
cis,1,2-Dichloroethene	----	----	13.8	<1.0	----	----	----	1.3	<1.0	----	----	----	----	----	----	----	----	<1.0	<1.0	<1.0
Vinyl Chloride	----	----	2.8	<1.0	----	----	----	<1.0	<1.0	----	----	----	----	----	----	----	----	<1.0	<1.0	<1.0
1,1-Dichloroethene	----	----	1.2	1.6	----	----	----	<1.0	<1.0	----	----	----	----	----	----	----	----	<1.0	6.3	3.1
Chloroform	----	----	<1.0	<1.0	----	----	----	<1.0	<1.0	----	----	----	----	----	----	----	----	1.2	<1.0	<1.0
Chloromethane	----	----	<1.0	<1.0	----	----	----	1.5	<1.0	----	----	----	----	----	----	----	----	<1.0	<1.0	<1.0

Continued on next page

Table 2. Results of analyses[1] of surface-water samples; February 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama. [Locations of surface-water sample sites are shown on Figure 2.]

	SAMPLE SITE																			
	SW-1*	SW-2*	SW-2A*	SW-2B*	SW-3**	SW-4*	SW-5*	SW-5A*	SW-5B**	SW-6**	SW-7**	SW-8**	SW-9**	SW-10**	SW-11**	SW-12	SW-13	SW-14	SW-15***	SW-16****
	Concentrations are expressed in micrograms/liter																			
	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]
September 20, 2001[4]																				
Trichloroethylene	<1.0	----	88.3	156	33.0	<1.0	69.2	----	----	<1.0	<1.0	23.0	21.0	7.0	10.5	<1.0	<1.0	6.2	----	----
cis,1,2-Dichloroethene	<1.0	----	8.4	<1.0	<1.0	<1.0	1.2	----	----	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
Vinyl Chloride	<1.0	----	1.6	<1.0	<1.0	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
1,1-Dichloroethene	<1.0	----	<1.0	1.5	<1.0	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
Chloroform	<1.0	----	1.6	3.4	1.6	<1.0	1.5	----	----	<1.0	<1.0	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
Chloromethane	<1.0	----	<1.0	<1.0	<1.0	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	----	----
Chloroethane	<1.0	----	<1.0	<1.0	<1.0	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	----	----
September 28, 2001																				
Trichloroethylene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	160	225
cis,1,2-Dichloroethene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	<1.0	1.7
1,1-Dichloroethene	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	3.5	2.4
Chloroform	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1.0	<1.0
October 10, 2001																				
Trichloroethylene	NS	----	87.2	115	19.9	NS	49.3	----	----	NS	NS	17.2	4.6	3.0	8.7	<1.0	<1.0	5.8	171	233
cis,1,2-Dichloroethene	NS	----	5.6	<1.0	<1.0	NS	<1.0	----	----	NS	NS	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	NS	----	<1.0	<1.0	<1.0	NS	<1.0	----	----	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.4	2.0
November 8, 2001																				
Trichloroethylene	NS	----	106	130	39.2	NS	91.8	----	----	<1.0	<1.0	33.5	16.7	9.0	14.2	<1.0	<1.0	NS	NS[5]	190
cis,1,2-Dichloroethene	NS	----	5.7	<1.0	<1.0	NS	1.5	----	----	<1.0	<1.0	1.5	1.0	<1.0	<1.0	<1.0	<1.0	NS	NS[5]	<1.0
1,1-Dichloroethene	NS	----	1.0	1.1	<1.0	NS	<1.0	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	NS[5]	1.8
December 4, 2001																				
Trichloroethylene	<1.0	----	107	27.5	37.3	<1.0	79.0	----	----	NS	NS	21.0	8.7J	<1.0	<1.0	<1.0	<1.0	NS	366	NS[6]
cis,1,2-Dichloroethene	<1.0	----	1.1J[7]	2.1J	<1.0	<1.0	1.4J	----	----	NS	NS	1.5J	<1.0	<1.0	<1.0	<1.0	<1.0	NS	2.8J	NS[6]
1,1-Dichloroethene	<1.0	----	<1.0	<1.0	<1.0	<1.0	<1.0	----	----	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	2.4J	NS[6]
Chloroform	<1.0	----	<1.0	1.7J	<1.0	<1.0	<1.0	----	----	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	<1.0	NS[6]
January 7, 2002																				
Trichloroethylene	<1.0	----	28.6	30.1	47.5	<1.0	14.4J	----	----	<1.0	<1.0	8.6J	8.5J	4.8J	4.6J	<1.0	<1.0	22.3	229	48.3
1,1-Dichloroethene	<1.0	----	<1.0	<1.0	<1.0	<1.0	<1.0	----	----	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.2J	<1.0
February 13, 2002																				
Trichloroethylene	<1.0	----	226	158	82.6	<1.0	129	----	----	NS	NS	42.9	9.1J	5.9J	14.0J	<1.0	<1.0	6.4J	195	311
cis,1,2-Dichloroethene	<1.0	----	<1.0	7.1J	<1.0	<1.0	1.2J	----	----	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	----	2.3J	2.1J	<1.0	<1.0	<1.0	----	----	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.1J	4.0J
Chloroform	<1.0	----	<1.0	<1.0	<1.0	<1.0	<1.0	----	----	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	6.3J	<1.0	<1.0

Notes:

* West Kilby ditch

** Main Kilby ditch

*** Manhole northwest of Pizza Hut.

**** Manhole northeast of Pizza Hut.

---- Sample point not included in sampling plan.

NS Not sampled (sample site was "dry").

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

[2] MDL = Method Detection Limit of 1.0 micrograms per liter for the laboratory analyses

[3] SW-5 was sampled as SW-5A and SW-5B on August 23, 2001.

[4] Location SW-2 which has historically been a single sample from the dual pipes under Coliseum Boulevard, was sampled as two separate locations (SW-2A and SW-2B) beginning September 20, 2001.

[5] Storm sewer (identifier SW-15) was not sampled on November 8, 2001 because the manhole of the sewer was covered.

[6] On December 4, 2001, manhole SW-16 was not sampled because a very small amount of water was present.

[7] J - Concentration below calibration curve, but above detection limit

Table 3. Results[1] of volatile organic compounds (VOCs) detected in soil samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

Boring ID	Sample ID[2]	Depth of Sample (ft. BLS)[3]	Sample Date	Trichloroethylene	Vinyl Chloride	1, 1 Dichloroethene[4]	Tetrachloroethylene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform[5]	1, 1, 1-Trichloroethane	Carbon Tetrachloride[5]	Trans-1,2-Dichloroethene[6]	Benzene	Toluene	Ethyl Benzene	m,p,o-Xylene
				[Concentrations are in micrograms per kilogram (µg/kg)][7]													
				10.0 µg/kg[8]	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg
Loc 01	ALDOT.C06	15-16	12/03/2001	ND[9]	NA[10]	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 02	ALDOT.C16	12.5	12/04/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 03	ALDOT.C31	9	12/05/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 04	ALDOT.C48	9	12/07/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 04	Confirmation[11]	8.5-9	12/07/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 05	ALDOT.C66	9	12/10/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 06	ALDOT.C70	27.5	12/10/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 07	ALDOT.C86	9	12/11/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 08	ALDOT.C87	2	12/11/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 08	ALDOT.C88	15	12/11/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 08	ALDOT.C92	23.5	12/11/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 09	ALDOTB.C18	1.5	12/12/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 09	ALDOTB.C22	9	12/12/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 09	ALDOTB.C23	26	12/12/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 10	ALDOT.C40	2	12/06/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 10	ALDOT.C41	9	12/06/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 10	ALDOT.C42	24	12/06/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 11	ALDOTB.C39	1.5	12/12/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 11	ALDOTB.C40	8	12/12/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 11	ALDOTB.C41	25.5	12/12/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 11	Confirmation	1-2	12/12/2001	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 11 dup[12]	Confirmation	1-2	12/12/2001	6.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 12	ALDOTB.C61	1.5	12/13/2001	ND	NA	200	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 12	ALDOTB.C64	9	12/13/2001	ND	NA	530	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 12	ALDOTB.C65	26	12/13/2001	ND	NA	63	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 12R	ALDOTD.C74	1.5	01/09/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 12R	ALDOTD.C75	9	01/09/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 12R	ALDOTD.C77	26	01/09/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 12R	Confirmation	1.5	01/09/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 12R	Confirmation	9	01/09/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 12R	Confirmation	26	01/09/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Table 3. Results[1] of volatile organic compounds (VOCs) detected in soil samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

Boring ID	Sample ID[2]	Depth of Sample (ft. BLS)[3]	Sample Date	Trichloroethylene	Vinyl Chloride	1, 1 Dichloroethene[4]	Tetrachloroethylene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform[5]	1, 1, 1-Trichloroethane	Carbon Tetrachloride[5]	Trans-1,2-Dichloroethene[6]	Benzene	Toluene	Ethyl Benzene	m,p,o-Xylene
				[Concentrations are in micrograms per kilogram (µg/kg)][7]													
				10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg
Loc 13	ALDOTB.C81	1.5	12/14/2001	ND	NA	800	ND	ND	720	NA	ND	NA	NA	ND	ND	ND	ND
Loc 13	ALDOTB.C83	20.5	12/14/2001	ND	NA	250	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 13	ALDOTB.C84	26	12/14/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 13R	ALDOTD.C84	1.5	01/09/2002	ND	NA	1,000J	ND	ND	1,000J	NA	ND	NA	NA	ND	ND	ND	ND
Loc 13R	ALDOTD.C86	20.5	01/09/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 13R	Confirmation	1.5	01/09/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 13R	Confirmation	20.5	01/09/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 14	ALDOTC.C05	1.5	12/17/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 14	ALDOTC.C06	9	12/17/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 14	ALDOTC.C07	24	12/17/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 14	Confirmation	1.5	12/17/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 15	ALDOTC.C44	16	12/19/2001	ND	NA	6,000J[13]	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 15	Confirmation	15-16	12/19/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 15R	ALDOTD.C39	16	01/09/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 15R	Confirmation	16	01/09/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 16	ALDOTC.C15	9	12/17/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 16	ALDOTC.C16	20	12/17/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 17	ALDOTC.C25	9	12/18/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 18	ALDOTC.C42	19.5	12/19/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 19	ALDOTC.C53	3	12/19/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 20	ALDOTC.C65	9	12/20/2001	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 21	ALDOTD.C05	9	01/03/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 22	ALDOTD.C33	9	01/07/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 23	ALDOTD.C79	9	01/09/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 24	ALDOTE.C13	10	01/11/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 25	ALDOTE.C22	9	01/14/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 26	ALDOTD.C17	1.5	01/04/2002	ND	NA	20J	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 26	ALDOTD.C18	9	01/04/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 26	ALDOTD.C19	22.5	01/04/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 26	Confirmation	1.5	01/04/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 27	ALDOTD.C55	3	01/08/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND

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Table 3. Results[1] of volatile organic compounds (VOCs) detected in soil samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

Boring ID	Sample ID[2]	Depth of Sample (ft. BLS)[3]	Sample Date	Trichloroethylene	Vinyl Chloride	1, 1 Dichloroethene[4]	Tetrachloroethylene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform[5]	1, 1, 1-Trichloroethane	Carbon Tetrachloride[5]	Trans-1,2-Dichloroethene[6]	Benzene	Toluene	Ethyl Benzene	m,p,o-Xylene
				[Concentrations are in micrograms per kilogram (µg/kg)][7]													
				10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg	10.0 µg/kg
Loc 28	ALDOTD.C51	9	01/08/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 29	ALDOTE.C35	9	01/15/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 30	ALDOTE.C33	9	01/15/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 31	ALDOTF.C37	15.5	01/18/2002	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	3,600	5,900	800J	4,000J
Loc 32	ALDOTF.C53	18.5	01/21/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 32	Confirmation	18.5	01/21/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 33	ALDOTF.C76	3.5	01/22/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 34	ALDOTG.C06	9	01/23/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 35	ALDOTG.C62	9	01/25/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 36	ALDOTG.C32	9	01/24/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 36	Confirmation	9	01/24/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 37[14]	ALDOTI.C42	9	02/27/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND
Loc 38[14]	Confirmation	9	02/26/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 39[14]	ALDOTI.C43	9	02/27/2002	ND	NA	ND	ND	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND

Note:

[1] All analysis were performed on-site by Plains Environmental Services using GC/FID.

[2] Sample ID: "ALDOT" series ID numbers represent samples analyzed by Plains Environmental Services using a heated head-space method in a mobile laboratory. "Confirmation" and "ADEM Split" IDs represent samples analyzed by **TTL, Inc.** in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

[3] ft BLS - feet below land surface

[4] Results for 1,1-Dichloroethene are estimates due to the coelution of 1,1-Dichloroethene and isopropyl alcohol.

[5] Carbon tetrachloride and chloroform were reported as nondetect on the preliminary report. However, carbon tetrachloride and chloroform were not in the list of analytes as the FID detector does not have the capability of detecting these compounds.

[6] Confirmation samples were analyzed for Trans-1,2-Dichloroethene by **TTL**'s fixed laboratory.

[7] All samples reported in µg/kg represent soil samples that were analyzed by headspace analysis. Approximately four grams of sample was accurately weighed into a 40-mL VOC vial and tightly capped. The vial was heated at 80 degrees Celsius for at least 30 minutes. This technique drives the volatile components from the soil into the headspace. A 1-cc sample of the headspace was then injected into the gas chromatograph for analysis.

[8] A reporting limit of 10.0 micrograms per kilogram (µg/kg) was used to analyze VOCs.

[9] ND - Not detected

[10] NA - Not analyzed

[11] Confirmation samples were analyzed by **TTL** laboratory using a method detection limit of 3.0 micrograms per kilogram (µg/kg).

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

[13] J - Concentration below calibration curve, but above detection limit

[14] Preliminary results of VOCs in ground-water samples.

Table 4. Results[1] of volatile organic compounds (VOCs) detected in ground-water samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

Boring ID	Sample ID[2]	Depth of Sample (ft. BLS)[3]	Sample Date	Trichloroethylene	Chloromethane	Vinyl Chloride	1, 1 Dichloroethene[4]	Methylene Chloride	Trans-1,2-Dichloroethene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform[5]	1, 1, 1-Trichloroethane	Carbon Tetrachloride[5]	Benzene[6]	1, 2 Dichloroethane[6]	1, 1, 2 Trichloroethane	Tetrachloroethylene	M,P,O-Xylenes	Methane[7]	Ethane[7]	Ethene[7]
				[Concentrations are in micrograms per liter (µg/l)][8]																		
				1.0 µg/l[9]	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
Loc 01	ALDOT.C08	24-28	12/03/2001	23	NA[10]	NA	ND[11]	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 01	ALDOT.C09	46-50	12/03/2001	170	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 01	Confirmation	46-50	12/03/2001	347	ND	ND	233	ND	ND	1.7J[12]	ND	4.0J	ND	62.3	ND	1.1J	1.3J	ND	ND	ND	ND	ND
Loc 02	ALDOT.C18	24-27	12/04/2001	70	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 02	ALDOT.C20	29-31	12/04/2001	400	NA	NA	100J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 02	ALDOT.C22	51-54	12/04/2001	10,000J	NA	NA	1,700J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 02 dup[13]	ALDOT.C23	51-54	12/04/2001	10,000J	NA	NA	1,500J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 2R	ALDOTE.C82	24-27	01/16/2002	480	NA	NA	44	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 2R	ALDOTE.C80	27-29	01/16/2002	720	NA	NA	59	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 2R	ALDOTE.C78	29-31	01/16/2002	540	NA	NA	20	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 2R	ALDOTE.C75	31-34	01/16/2002	1,400	NA	NA	49	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 2R	ALDOTE.C72	34-38	01/16/2002	5,200	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 2R dup	ALDOTE.C73	34-38	01/16/2002	4,200	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 2R	ALDOTE.C66	38-42	01/16/2002	20,000J	NA	NA	590	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 2R	ALDOTE.C63	42-46	01/16/2002	20,000J	NA	NA	2,000J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 2R	ALDOTE.C61	46-50	01/16/2002	20,000J	NA	NA	3,000J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 2R	ALDOTE.C59	50-54	01/16/2002	20,000J	NA	NA	3,000J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 03	ALDOT.C32	24-28	12/05/2001	380	NA	NA	9	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 03	ALDOT.C33	44.5-48.5	12/05/2001	460	NA	NA	300J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 03	Confirmation	44.5-48.5	12/05/2001	512	ND	ND	96.4	ND	ND	ND	2.6J	3.6J	ND	21.0	ND	ND	ND	ND	ND	ND	ND	ND
Loc 04	Confirmation	8.5-9	12/07/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 04	ALDOT.C50	18-21	12/07/2001	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 04	ALDOT.C52	25-28	12/07/2001	240	NA	NA	7	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 04	ALDOT.C54	39-43	12/07/2001	1,100	NA	NA	500J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 04 dup	ALDOT.C55	39-43	12/07/2001	1,500	NA	NA	500J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 04	Confirmation	39-43	12/07/2001	2,050	ND	ND	294	ND	ND	2.7J	ND	7.6J	ND	79.2	ND	1.1J	3.6J	ND	ND	ND	ND	ND
Loc 05	ALDOT.C69	21-24	12/10/2001	7	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 05	ALDOT.C74	26-28	12/10/2001	130	NA	NA	46	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 05	ALDOT.C80	38-42	12/10/2001	430	NA	NA	500J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 06	ALDOT.C71	28-32	12/10/2001	690	NA	NA	54	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 06	ALDOT.C77	36.5-38.5	12/10/2001	10,000J	NA	NA	300J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 06	ALDOT.C79	52-56	12/10/2001	10,000J	NA	NA	500J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 06	Confirmation	52-56	12/10/2001	12,200	ND	ND	474J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6	ND	ND
Loc 06 R[17]	TTL Results[14]	28-32	02/27/2002	287	ND	ND	1.7J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 06 R[17]	TTL Results	32-36	02/27/2002	841	ND	ND	5.2J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 06 R[17]	TTL Results	36-40	02/27/2002	9,120	ND	ND	91.0J	76.0B[15]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 06 R[17]	TTL Results	40-44	02/27/2002	18,800	ND	ND	755J	77.0B	ND	ND	ND	ND	ND	173J	ND	ND	ND	ND	ND	NA	NA	NA
Loc 06 R[17]	TTL Results	44-48	02/27/2002	23,400	ND	ND	1,080	76.0B	ND	ND	ND	ND	ND	368J	ND	ND	ND	ND	NA	NA	NA	NA
Loc 06 R[17]	TTL Results	48-52	02/27/2002	21,200	ND	ND	849J	80.0B	ND	ND	ND	ND	ND	248J	ND	ND	ND	ND	NA	NA	NA	NA
Loc 06 R dup	Confirmation	48-52	02/27/2002	21,300	ND	ND	860J	ND	ND	ND	ND	ND	ND	243J	ND	ND	ND	ND	ND	ND	ND	ND
Loc 06 R[17]	TTL Results	52-56	02/27/2002	16,300	ND	ND	462J	77.5B	ND	ND	ND	ND	ND	279J	ND	ND	ND	ND	ND	NA	NA	NA
Loc 07	ALDOT.C89	31-34	12/11/2001	280	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 07 dup	ALDOT.C90	31-34	12/11/2001	490	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 07	ALDOT.C97	44-48	12/11/2001	10,000J	NA	NA	2,000J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 07	ALDOTB.C06	56-60	12/11/2001	7	NA	NA	74	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 08	ALDOT.C93	24.5-28.5	12/11/2001	260	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 08	ALDOT.C99	34-38	12/11/2001	4,100	NA	NA	100J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA

Continued on next page

Table 4. Results[1] of volatile organic compounds (VOCs) detected in ground-water samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

[Concentrations are in micrograms per liter (µg/l)][8]

Boring ID	Sample ID[2]	Depth of Sample (ft. BLS)[3]	Sample Date	Trichloroethylene	Chloromethane	Vinyl Chloride	1, 1 Dichloroethene[4]	Methylene Chloride	Trans-1,2-Dichloroethene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform[5]	1, 1, 1-Trichloroethane	Carbon Tetrachloride[5]	Benzene[6]	1, 2 Dichloroethane[6]	1, 1, 2 Trichloroethane	Tetrachloroethylene	M,P,O-Xylenes	Methane[7]	Ethane[7]	Ethene[7]
				1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
Loc 08	ALDOTB.C04	46-50	12/11/2001	3,700	NA	NA	500J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 08	ALDOTB.C08	54-58	12/11/2001	3	NA	NA	20J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 09	ALDOTB.C28	26-30	12/12/2001	200	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 09	ALDOTB.C34	34-37	12/12/2001	10,000J	NA	NA	440	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 09 dup	ALDOTB.C35	34-37	12/12/2001	10,000J	NA	NA	250	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 09	ALDOTB.C46	44-48	12/12/2001	10,000J	NA	NA	360	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 09	ALDOTB.C50	58.5-62.5	12/12/2001	8	NA	NA	5	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 9R	ALDOTF.C21	26-30	01/17/2002	350	NA	NA	4	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 9R	ALDOTF.C19	30-34	01/17/2002	2,900	NA	NA	17	NA	NA	ND	4	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 9R	ALDOTF.C17	34-38	01/17/2002	10,000J	NA	NA	150	NA	NA	ND	4	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 9R	ALDOTF.C15	38-42	01/17/2002	10,000J	NA	NA	110	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 9R	ALDOTF.C13	42-46	01/17/2002	10,000J	NA	NA	390	NA	NA	ND	ND	NA	7	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 9R	ALDOTF.C11	46-50	01/17/2002	20,000J	NA	NA	340	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 9R	ALDOTF.C08	50-54	01/17/2002	280	NA	NA	20	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 9R	ALDOTF.C05	54-58	01/17/2002	9,300	NA	NA	80J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 9R	Confirmation	54-58	01/17/2002	4,150	ND	ND	69.2J	ND	ND	ND	ND	14.4J	ND	ND	ND	ND	ND	ND	ND	14	ND	3.2
Loc 9R	ALDOTF.C03	58-62	01/17/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 10	ALDOT.C43	25-28	12/06/2001	150	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 10	ALDOTB.C20	40-43	12/12/2001	10,000J	NA	NA	1,000J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 10	Confirmation	40-43	12/12/2001	11,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 10	ALDOTB.C31	57-61	12/12/2001	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 11	ALDOTB.C42	26.5-30.5	12/12/2001	280	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 11	ALDOTB.C48	34-38	12/12/2001	3,000	NA	NA	200J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 11	ALDOTB.C52	44-48	12/12/2001	1,600	NA	NA	4,000J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 11	ALDOTB.C71	61-65	12/13/2001	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 12	ALDOTB.C67	27-31	12/13/2001	1,300	NA	NA	13	NA	NA	ND	7	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 12 dup	ALDOTB.C68	27-31	12/13/2001	1,300	NA	NA	14	NA	NA	ND	10	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 12	ALDOTB.C70	36-40	12/13/2001	430	NA	NA	100J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 12	Confirmation	36-40	12/13/2001	429	ND	ND	4.2J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND
Loc 12 dup	Confirmation	36-40	12/13/2001	410	ND	ND	3.9J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 12	ALDOTB.C87	51-55	12/14/2001	ND	NA	NA	3	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 13	ALDOTB.C86	27-31	12/14/2001	5,800	NA	NA	20J	NA	NA	ND	10	NA	22	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 13	ALDOTB.C88	36-39	12/14/2001	41	NA	NA	10	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 13	ALDOTB.C90	46-50	12/14/2001	7	NA	NA	20J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 13	ALDOTB.C93	52-56	12/14/2001	9	NA	NA	1	NA	NA	ND	ND	NA	6	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14	ALDOTC.C09	25-28	12/17/2001	6,200	NA	NA	20J	NA	NA	ND	6	NA	20J	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14 dup	ALDOTC.C11	25-28	12/17/2001	5,800	NA	NA	20J	NA	NA	ND	7	NA	20J	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14	ALDOTC.C12	42-46	12/17/2001	8	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA

Continued on next page

Table 4. Results[1] of volatile organic compounds (VOCs) detected in ground-water samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

[Concentrations are in micrograms per liter (µg/l)][8]

Boring ID	Sample ID[2]	Depth of Sample (ft. BLS)[3]	Sample Date	Trichloroethylene	Chloromethane	Vinyl Chloride	1, 1 Dichloroethene[4]	Methylene Chloride	Trans-1,2-Dichloroethene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform[5]	1, 1, 1-Trichloroethane	Carbon Tetrachloride[5]	Benzene[6]	1, 2 Dichloroethane[6]	1, 1, 2 Trichloroethane	Tetrachloroethylene	M,P,O-Xylenes	Methane[7]	Ethane[7]	Ethene[7]
				1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
Loc 14	ALDOTC.C21	52-56	12/17/2001	ND	NA	NA	30J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14	ALDOTC.C79	25-28	12/21/2001	2,800	NA	NA	6	NA	NA	ND	4	NA	4	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14 dup	ALDOTC.C81	25-28	12/21/2001	2,900	NA	NA	10	NA	NA	ND	6	NA	7	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14	Confirmation	25-28	12/21/2001	2,290	ND	ND	7.9J	ND	ND	ND	7.6J	ND	16.5J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 14R[17]	ALDOTH.C06	24-28	02/21/2002	3,697	NA	NA	8	NA	NA	ND	7	NA	15	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14R[17]	ALDOTH.C08	28-32	02/21/2002	4,236	NA	NA	13	NA	NA	ND	6	NA	14	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14R[17]	ALDOTH.C10	32-36	02/21/2002	4,338	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14R[17]	ALDOTH.C11	36-40	02/21/2002	11	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14R[17]	ALDOTH.C12	40-44	02/21/2002	12	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14R[17]	ALDOTH.C13	44-48	02/21/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14R	Confirmation	44-48	02/21/2002	5.7J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 14R[17]	ALDOTH.C15	48-52	02/21/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 14R[17]	ALDOTH.C16	52-56	02/21/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 15	ALDOTC.C48	28-32	12/19/2001	3,400	NA	NA	ND	NA	NA	ND	30J	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 15 Split	TTL Results	28-32	12/19/2001	2,260	ND	ND	ND	ND	ND	ND	32.6J	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	ADEM Results	28-32	12/19/2001	3,115	6.4	ND	ND	ND	ND	ND	52.0	ND	8.8	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 15	ALDOTC.C52	44-48	12/19/2001	120	NA	NA	100J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 15	ALDOTC.C59	53.5-57.5	12/19/2001	ND	NA	NA	6	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 15 dup	ALDOTC.C60	53.5-57.5	12/19/2001	ND	NA	NA	8	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 16	ALDOTC.C14	25.5-29.5	12/17/2001	190	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 16	ALDOTC.C29	47-51	12/18/2001	ND	NA	NA	30J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 16	ALDOTC.C31	53-57	12/18/2001	ND	NA	NA	10J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 16 dup	ALDOTC.C32	53-57	12/18/2001	ND	NA	NA	8	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 16	ALDOTC.C36	59-63	12/18/2001	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 17	ALDOTC.C27	27-31	12/18/2001	150	NA	NA	ND	NA	NA	ND	24	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 17	ALDOTC.C30	38-42	12/18/2001	180	NA	NA	ND	NA	NA	ND	4	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 17	ALDOTC.C33	56.5-60.5	12/18/2001	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 17	Confirmation	56.5-60.5	12/18/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND
Loc 18	ALDOTC.C46	28-32	12/19/2001	120	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 18	ALDOTC.C50	48-52	12/19/2001	760	NA	NA	5	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 18	Confirmation	48-52	12/19/2001	902	ND	ND	5.1J	1.6J	1.6J	1.6J	3.1J	2.3J	ND	ND	ND	ND	ND	ND	ND	6.7	ND	ND
Loc 18	ALDOTC.C73	63-67	12/20/2001	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 19	ALDOTC.C57	28-32	12/19/2001	460	NA	NA	8	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 19	ALDOTC.C85	52-56	12/21/2001	360	NA	NA	20J	NA	NA	ND	9	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 19	ALDOTC.C86	66-70	12/21/2001	6	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 20	ALDOTC.C66	22.5-26.5	12/20/2001	13	NA	NA	10J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 20	ALDOTC.C67	32-36	12/20/2001	21	NA	NA	9	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 20	ALDOTC.C69	46-50	12/20/2001	220	NA	NA	24	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 20	ALDOTC.C72	54-58	12/20/2001	22	NA	NA	6	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 21	ALDOTD.C00	26-30	01/03/2002	200J	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 21	ALDOTD.C10	44-48	01/03/2002	1,500	NA	NA	6,000J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 21	ALDOTD.C36	44-48	01/07/2002	9,700	NA	NA	1,000J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 21	Confirmation	44-48	01/07/2002	5,230	ND	ND	484	ND	ND	ND	ND	11.0J	ND	133J	ND	ND	ND	ND	ND	ND	ND	ND
Loc 21	ALDOTD.C38	56-60	01/07/2002	4,900	NA	NA	1,000J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA

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Table 4. Results[1] of volatile organic compounds (VOCs) detected in ground-water samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

Boring ID	Sample ID[2]	Depth of Sample (ft. BLS)[3]	Sample Date	Trichloroethylene	Chloromethane	Vinyl Chloride	1, 1 Dichloroethene[4]	Methylene Chloride	Trans-1,2-Dichloroethene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform[5]	1, 1, 1-Trichloroethane	Carbon Tetrachloride[5]	Benzene[6]	1, 2 Dichloroethane[6]	1, 1, 2 Trichloroethane	Tetrachloroethylene	M,P,O-Xylenes	Methane[7]	Ethane[7]	Ethene[7]
				[Concentrations are in micrograms per liter (µg/l)][8]																		
				1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
Loc 22	ALDOTD.C34	28-32	01/07/2002	31	NA	NA	20J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 22	ALDOTD.C40	33-36	01/07/2002	540	NA	NA	20J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 22	ALDOTD.C45	56-60	01/07/2002	1,000J	NA	NA	400J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 22 R[17]	TTL Results	28-32	02/22/2002	15.2J	ND	ND	ND	2.0B	ND	ND	ND	1.2J	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 22 R[17]	TTL Results	32-36	02/22/2002	194	ND	ND	1.3J	2.1B	ND	ND	ND	4.4J	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 22 R[17]	TTL Results	36-40	02/22/2002	1,260	ND	ND	5.4J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 22 R[17]	TTL Results	40-44	02/22/2002	1,910	ND	ND	ND	26.2B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 22 R[17]	TTL Results	44-48	02/22/2002	4,070	ND	ND	143J	51.0B	ND	ND	ND	ND	ND	82.8J	ND	ND	ND	ND	ND	NA	NA	NA
Loc 22 R[17]	TTL Results	48-52	02/22/2002	376	ND	ND	213	5.8B	ND	ND	ND	5.1J	ND	52.2	ND	2.5J	ND	ND	ND	NA	NA	NA
Loc 22 R[17]	TTL Results	52-56	02/27/2002	971	ND	ND	170	11.5B	ND	ND	ND	ND	ND	48.0J	ND	ND	ND	ND	ND	NA	NA	NA
Loc 22 R dup	Confirmation	52-56	02/22/2002	922	ND	ND	193	ND	ND	ND	ND	ND	ND	47.6J	ND	ND	ND	ND	ND	ND	ND	ND
Loc 22 R[17]	TTL Results	56-60	02/22/2002	99.3	ND	ND	121	1.7B	ND	ND	ND	2.5J	ND	26.6	ND	1.2J	ND	ND	ND	NA	NA	NA
Loc 23	ALDOTD.C81	23-27	01/09/2002	1,000	NA	NA	5	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23	ALDOTD.C88	37-41	01/09/2002	54	NA	NA	3	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23	ALDOTE.C05	50-54	01/10/2002	33	NA	NA	7	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23	ALDOTE.C06	60-64	01/10/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R[17]	ALDOTH.C23	23-27	02/21/2002	1,201	NA	NA	14J	NA	NA	ND	ND	NA	9	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R[17]	ALDOTH.C25	27-31	02/21/2002	4,932	NA	NA	32J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R dup[17]	ALDOTH.C26	27-31	02/21/2002	5,363	NA	NA	32J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R[17]	ALDOTH.C29	31-35	02/21/2002	4,126	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R[17]	ALDOTH.C30	36-39	02/21/2002	30	NA	NA	2	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R[17]	ALDOTH.C54	40-44	02/26/2002	46	NA	NA	7	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R[17]	ALDOTH.C55	44-48	02/26/2002	5	NA	NA	10J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R[17]	ALDOTH.C56	48-52	02/26/2002	49	NA	NA	9J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R[17]	ALDOTH.C57	52-56	02/26/2002	13	NA	NA	2	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R[17]	ALDOTH.C58	56-60	02/26/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 23R	Confirmation	56-60	02/21/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 23R[17]	ALDOTH.C61	60-64	02/26/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 24	ALDOTE.C12	26.5-30.5	01/11/2002	1,000	NA	NA	4	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 24	ALDOTE.C14	42-46	01/11/2002	20	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 24	Confirmation	42-46	01/11/2002	31	ND	ND	ND	ND	ND	ND	1.2J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 24	ALDOTE.C17	59-63	01/11/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 25	ALDOTE.C23	28-32	01/14/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 25	ALDOTE.C24	39.5-43.5	01/14/2002	8	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 25 dup	ALDOTE.C25	39.5-43.5	01/14/2002	8	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 25	ALDOTE.C76	58-62	01/16/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 26	ALDOTD.C20	23.5-27.5	01/04/2002	50	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 26 dup	ALDOTD.C21	23.5-27.5	01/04/2002	49	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 26	ALDOTD.C22	34-38	01/04/2002	200J	NA	NA	20J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 26	ALDOTD.C27	45-49	01/04/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 27	ALDOTD.C57	27.5-31.5	01/08/2002	210	NA	NA	100J	NA	NA	ND	8	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 27	ALDOTD.C60	35-39	01/08/2002	250	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 27	ALDOTD.C69	60-64	01/08/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA

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Table 4. Results[1] of volatile organic compounds (VOCs) detected in ground-water samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

Boring ID	Sample ID[2]	Depth of Sample (ft BLS)[3]	Sample Date	Trichloroethylene	Chloromethane	Vinyl Chloride	1, 1 Dichloroethene[4]	Methylene Chloride	Trans-1,2-Dichloroethene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform[5]	1, 1, 1-Trichloroethane	Carbon Tetrachloride[5]	Benzene[6]	1, 2 Dichloroethane[6]	1, 1, 2 Trichloroethane	Tetrachloroethylene	M,P,O-Xylenes	Methane[7]	Ethane[7]	Ethene[7]
				[Concentrations are in micrograms per liter (µg/l)][8]																		
				1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
Loc 28	ALDOTD.C53	24-28	01/08/2002	320	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 28 dup	ALDOTD.C54	24-28	01/08/2002	270	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 28	Confirmation	28-32	01/08/2002	309	ND	ND	ND	ND	ND	1.3J	ND	1.0J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 28	ALDOTD.C62	40-44	01/08/2002	6,200	NA	NA	70J	NA	NA	ND	7	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 28	ALDOTD.C68	51-55	01/08/2002	580	NA	NA	70J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29	ALDOTE.C37	25.5-29.5	01/15/2002	230	NA	NA	3	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29	ALDOTE.C42	38.5-42.5	01/15/2002	220	NA	NA	200J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29	ALDOTE.C52	56.5-60.5	01/15/2002	ND	NA	NA	70J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29R[17]	ALDOTI.C21	25-29	02/27/2002	96	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29R[17]	ALDOTI.C23	29-33	02/27/2002	110	NA	NA	2	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29R[17]	ALDOTI.C26	33-37	02/27/2002	436	NA	NA	95J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29R[17]	ALDOTI.C28	37-41	02/27/2002	403	NA	NA	138J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29R	Confirmation	37-41	02/27/2002	630	ND	ND	111	ND	ND	ND	ND	3.3J	ND	36.7J	ND	ND	ND	ND	ND	ND	ND	ND
Loc 29R[17]	ALDOTI.C30	41-45	02/27/2002	13	NA	NA	63	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29R[17]	ALDOTI.C31	45-49	02/27/2002	20	NA	NA	362	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29R dup[17]	ALDOTI.C32	45-49	02/27/2002	20	NA	NA	332	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29R[17]	ALDOTI.C38	49-53	02/27/2002	7	NA	NA	191J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29R[17]	ALDOTI.C40	53-57	02/27/2002	2	NA	NA	114J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 29R[17]	ALDOTI.C41	56-60	02/27/2002	ND	NA	NA	4	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30	ALDOTE.C34	18-22	01/15/2002	90	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30	ALDOTE.C40	24-25.5	01/15/2002	270	NA	NA	10J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30	Confirmation	24-25.5	01/15/2002	336	ND	ND	10.6J	ND	ND	ND	ND	1.2J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 30	ALDOTE.C44	27.5-31.5	01/15/2002	3,500	NA	NA	300J	NA	NA	ND	ND	NA	7	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30	ALDOTE.C50	40-44	01/15/2002	390	NA	NA	400J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30R[17]	ALDOTH.C62	18-22	02/26/2002	38	NA	NA	2	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30R[17]	ALDOTH.C64	22-26	02/26/2002	299	NA	NA	23	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30R[17]	ALDOTH.C66	26-28	02/26/2002	334	NA	NA	28	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30R[17]	ALDOTH.C68	32-36	02/26/2002	335	NA	NA	185J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30R[17]	ALDOTH.C70	36-40	02/26/2002	1,147	NA	NA	312J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30R dup[17]	ALDOTH.C71	36-40	02/26/2002	1,477	NA	NA	381J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30R[17]	ALDOTH.C76	40-44	02/26/2002	192	NA	NA	123J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 30R	Confirmation	40-44	02/26/2002	549J	ND	ND	186	2.1B	ND	ND	ND	4.0J	ND	50.4	ND	1.2J	1.7J	ND	ND	ND	ND	ND
Loc 31	ALDOTF.C33	22-26	01/18/2002	540	NA	NA	40J	NA	NA	52	90	NA	ND	NA	21	ND	NA	ND	ND	NA	NA	NA
Loc 31	Confirmation	22-26	01/18/2002	883	ND	ND	1.9J	ND	ND	ND	43	3.4J	ND	ND	16.9J	ND	2.2J	ND	28.8J[16]	ND	ND	ND
Loc 31	ALDOTF.C35	26-30	01/18/2002	500	NA	NA	5	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 31	ALDOTF.C41	30-34	01/18/2002	220	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 31	ALDOTF.C42	34-38	01/18/2002	14	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 31	ALDOTF.C43	38-42	01/18/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 31	ALDOTF.C44	42-46	01/18/2002	9	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 31	Confirmation	42-46	01/18/2002	9.3J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 31	ALDOTF.C48	46-49.5	01/18/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 32	ALDOTF.C55	26-30	01/21/2002	190	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 32 dup	ALDOTF.C56	26-30	01/21/2002	250	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 32	ALDOTF.C58	30-34	01/21/2002	590	NA	NA	4	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 32	ALDOTF.C60	34-38	01/21/2002	820	NA	NA	20J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA

Continued on next page

Table 4. Results[1] of volatile organic compounds (VOCs) detected in ground-water samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

Boring ID	Sample ID[2]	Depth of Sample (ft BLS)[3]	Sample Date	Trichloroethylene	Chloromethane	Vinyl Chloride	1, 1 Dichloroethene[4]	Methylene Chloride	Trans-1,2-Dichloroethene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform[5]	1, 1, 1-Trichloroethane	Carbon Tetrachloride[5]	Benzene[6]	1, 2 Dichloroethane[6]	1, 1, 2 Trichloroethane	Tetrachloroethylene	M,P,O-Xylenes	Methane[7]	Ethane[7]	Ethene[7]
				[Concentrations are in micrograms per liter (µg/l)][8]																		
				1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
Loc 32	ALDOTF.C62	38-42	01/21/2002	580	NA	NA	10J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 32	ALDOTF.C63	42-46	01/21/2002	45	NA	NA	3	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 32	ALDOTF.C64	46-50	01/21/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 32	ALDOTF.C67	50-54	01/21/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 32	ALDOTF.C68	54-58	01/21/2002	7	NA	NA	3	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 32	ALDOTF.C69	58-62	01/21/2002	22	NA	NA	3	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 32	ALDOTF.C72	62-66	01/21/2002	11	NA	NA	2	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 33	ALDOTF.C77	18-22	01/22/2002	6	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 33	ALDOTF.C78	22-26	01/22/2002	51	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 33	ALDOTF.C80	26-30	01/22/2002	280	NA	NA	12	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 33	ALDOTF.C83	30-34	01/22/2002	800	NA	NA	100J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 33	ALDOTF.C85	34-38	01/22/2002	130	NA	NA	70J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 33	ALDOTF.C86	38-42	01/22/2002	13	NA	NA	10J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 33 dup	ALDOTF.C87	38-42	01/22/2002	9	NA	NA	10J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 33	ALDOTF.C88	42-46	01/22/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 33	Confirmation	42-46	01/22/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 34	ALDOTG.C07	12-16	01/23/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 34	ALDOTG.C08	16-20	01/23/2002	11	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 34	ALDOTG.C09	20-24	01/23/2002	280J	NA	NA	40J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 34	Confirmation	20-24	01/23/2002	468	ND	ND	34	ND	ND	ND	ND	1.4J	ND	7.9J	ND	ND	ND	ND	ND	2.3	ND	ND
Loc 34	ALDOTG.C13	24-28	01/23/2002	310	NA	NA	50J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 34	ALDOTG.C16	28-32	01/23/2002	360	NA	NA	50J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 34	ALDOTG.C20	32-36	01/23/2002	410	NA	NA	70J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 34 dup	ALDOTG.C21	32-36	01/23/2002	430	NA	NA	70J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 34	ALDOTG.C22	36-40	01/23/2002	56	NA	NA	20J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 34	ALDOTG.C23	40-44	01/23/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 34	ALDOTG.C26	44-48	01/23/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 35	ALDOTG.C63	16-20	01/25/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 35	ALDOTG.C64	20-24	01/25/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 35	ALDOTG.C66	24-28	01/25/2002	50	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 35	Confirmation	24-28	01/25/2002	85.8	ND	ND	2.9J	ND	ND	ND	ND	6.6J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 35	ALDOTG.C67	28-32	01/25/2002	130	NA	NA	8	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 35	ALDOTG.C69	32-36	01/25/2002	240	NA	NA	10J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 35	ALDOTG.C71	36-40	01/25/2002	340	NA	NA	20J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 35	ALDOTG.C73	40-44	01/25/2002	380	NA	NA	40J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 35	ALDOTG.C74	44-48	01/25/2002	410	NA	NA	60J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 36	ALDOTG.C33	18-22	01/24/2002	89	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 36	ALDOTG.C36	22-26	01/24/2002	220	NA	NA	10J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 36	Confirmation	22-26	01/24/2002	496	ND	ND	5.0J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Loc 36	ALDOTG.C40	26-30	01/24/2002	480	NA	NA	20J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 36	ALDOTG.C42	30-34	01/24/2002	390	NA	NA	50J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 36	ALDOTG.C44	34-38	01/24/2002	270	NA	NA	30J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 36	ALDOTG.C45	38-42	01/24/2002	80	NA	NA	30J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 36	ALDOTG.C47	42-46	01/24/2002	220	NA	NA	60J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 36	ALDOTG.C50	46-50	01/24/2002	19	NA	NA	10J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 36 dup	ALDOTG.C51	46-50	01/24/2002	2	NA	NA	1	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA

Continued on next page

Table 4. Results[1] of volatile organic compounds (VOCs) detected in ground-water samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

Boring ID	Sample ID[2]	Depth of Sample (ft. BLS)[3]	Sample Date	Trichloroethylene	Chloromethane	Vinyl Chloride	1, 1 Dichloroethene[4]	Methylene Chloride	Trans-1,2-Dichloroethene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform[5]	1, 1, 1-Trichloroethane	Carbon Tetrachloride[5]	Benzene[6]	1, 2 Dichloroethane[6]	1, 1, 2 Trichloroethane	Tetrachloroethylene	M,P,O-Xylenes	Methane[7]	Ethane[7]	Ethene[7]
				[Concentrations are in micrograms per liter (µg/l)][8]																		
				1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l	1.0 µg/l
Loc 36	ALDOTG.C52	50-54	01/24/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 36	ALDOTG.C53	56-60	01/24/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 37[17]	ALDOTH.C77	18-22	02/26/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 37[17]	ALDOTH.C78	22-26	02/26/2002	31	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 37[17]	ALDOTI.C10	26-30	02/27/2002	202	NA	NA	6	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 37[17]	ALDOTI.C12	30-34	02/27/2002	273	NA	NA	30	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 37[17]	ALDOTI.C15	34-38	02/27/2002	164	NA	NA	215J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 37[17]	ALDOTI.C17	38-42	02/27/2002	106	NA	NA	119J	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 38[17]	TTL Results	20-24	02/26/2002	259	ND	ND	2.3J	1.7B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 38[17]	TTL Results	24-28	02/26/2002	515	ND	ND	8.7J	5.3B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 38[17]	TTL Results	28-32	02/26/2002	746	ND	ND	14.1J	7.5B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Loc 38[17]	TTL Results	32-36	02/26/2002	237	ND	ND	39.0	ND	ND	ND	ND	1.2J	ND	9.3J	ND	ND	ND	ND	ND	NA	NA	NA
Loc 38[17]	TTL Results	36-40	02/26/2002	1,300	ND	ND	498	ND	ND	ND	ND	7.2J	ND	115	ND	ND	5.4J	ND	ND	NA	NA	NA
Loc 38[17]	TTL Results	40-43	02/26/2002	762	ND	ND	276	ND	ND	ND	ND	ND	ND	72.6J	ND	ND	ND		ND	NA	NA	NA
Loc 39[17]	ALDOTI.C46	12-16	02/27/2002	ND	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 39[17]	ALDOTI.C48	16-20	02/27/2002	250	NA	NA	ND	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 39[17]	ALDOTI.C50	20-24	02/27/2002	703	NA	NA	3	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Loc 39[17]	ALDOTI.C52	24-28	02/27/2002	722	NA	NA	4	NA	NA	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA

Notes:

[1] All analysis were performed on-site by Plains Environmental Services using GC/FID.

[2] Sample ID: "ALDOT" series ID numbers represent samples analyzed by Plains Environmental Services using a heated head-space method in a mobile laboratory. "Confirmation" IDs represent samples analyzed by **TTL, Inc.** in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

[3] ft BLS - feet below land surface

[4] Results for 1,1-Dichloroethene are estimates due to the coelution of 1,1-Dichloroethene and isopropyl alcohol.

[5] Carbon tetrachloride and chloroform were reported as nondetect on the preliminary report. However, carbon tetrachloride and chloroform were not in the list of analytes as the FID detector does not have the capability of detecting these compounds.

[6] Results for Benzene and 1,2-Dichloroethane are estimates due to the coelution of Benzene and 1,2-Dichloroethane.

[7] Methane, Ethane, and Ethene analyses conducted only on confirmation samples. Samples analyzed by Severn Trent Laboratories in accordance with Method RSK-175.

[8] All samples reported in µg/l represent ground-water samples that were analyzed by headspace analysis. A 40-ml VOC vial was half-filled with sample and tightly capped. The vial was heated at 80 Celsius for at least 30 minutes. This technique drives the volatile components fromthe aqueous material into the headspace. A 1-cc sample of the headspace was then injected into the gas chromatograph for analysis.

[9] A reporting limit of 1.0 micrograms per liter (µg/L) was used to analyze the VOCs.

[10] NA - Not analyzed by field lab

[11] ND - Not detected

[12] J - Concentration below calibration curve, but above detection limit

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

[14] Ground-water samples collected from locations 6R, 22R, and 38 were analyzed by **TTL** because the field lab was down.

[15] B - compound of interest was found above the detection limit concentration in a laboratory blank sample.

[16] **TTL's** fixed lab separated the isomers; M,P-Xylene = 7.5 and O-Xylene = 21.3.

[17] Preliminary results of VOCs in ground-water samples.

Table 5. Results of analyses[1] for total alkalinity, chloride, nitrate, nitrite, sulfate, and iron in ground-water confirmation samples from probeholes; February 2002 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

Sample Location	Sample Date	Depth of Sample (ft BLS)[2]	Total Alkalinity, mg $CaCo_3$/L	Chloride, mg/L as Cl	Nitrate, mg NO_3-N/L	Nitrite, mg NO_2-N/L	Sulfate, mg/L as SO_4	Iron, mg/L as Fe
1	12/03/2001	46-50	2.1	11.7	8.48	<0.10	<0.50	42.5
3	12/05/2001	44.5-48.5	7.7	3.65	4.14	<0.10	<0.50	2.45
4	12/07/2001	39-43	8.6	6.73	5.87	<0.10	1.68	3.4
6	12/10/2001	52-56	25.5	7.47	3.26	<0.10	0.81	94.6
6R	02/07/2002	48-52	15.6	9.18	3.85	<0.10	0.87	12.1
10	12/12/2001	40-43	38.9	7.43	2.73	<0.10	1.41	22.5
12	12/13/2001	36-40	8	4.09	2.54	<0.10	<0.50	6.02
12 dup[3]	12/13/2001	36-40	7.8	4.20	2.67	<0.10	<0.50	5.3
14	12/21/2001	25-28	<1.0	5.00	1.07	<0.10	0.38	1.00
14R	02/20/2002	44-48	8.5	4.30	2.32	<0.10	<0.50	26.2
17	12/18/2001	56.5-60.5	7.1	2.94	0.98	<0.10	1.30	27.8
18	12/19/2001	48-52	29.6	3.85	1.88	<0.10	<0.50	37.0
21	01/07/2002	44-48	14.3	12.0	5.21	<0.10	<0.50	6.91
22R	02/27/2002	52-56	7.3	14.1	8.86	<0.10	0.69	37.5
23R	02/21/2002	56-60	7.9	1.73	<0.10	<0.10	2.18	6.84
24	01/11/2002	42-46	17.6	3.88	3.37	<0.10	0.65	31.0
28	01/08/2002	28-32	<1.0	7.07	3.15	<0.10	0.60	2.42
29R	02/26/2002	37-41	6.7	12.9	10.6	<0.10	<0.50	3.82
30	01/15/2002	24-25.5	<1.0	12.5	2.26	<0.10	3.72	6.41
30R	02/22/2002	40-44	3.6	11.0	11.3	<0.10	0.74	6.75
9R	01/17/2002	54-58	30.5	5.12	1.55	<0.10	1.11	437
31	01/18/2002	22-26	2.1	6.15	1.64	<0.10	<0.50	7.97
31	01/18/2002	42-46	2.8	3.08	3.23	<0.10	<0.50	5.65
33	01/22/2002	42-46	2.7	5.95	6.98	<0.10	<0.50	5.25
34	01/23/2002	20-24	2.2	10.7	2.57	<0.10	0.19	3.73
35	01/25/2002	24-28	1.2	9.89	1.42	<0.10	<0.50	2.32
36	01/24/2002	22-26	<1.0	6.24	2.74	<0.10	<0.50	2.01

Notes:

[1] The samples were analyzed in accordance with methods outlined in Standard Methods for the Examination of Water and Wastewater, Eighteenth Edition, 1992 and Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020.

[2] Ft BLS - Feet below land surface

[3] Dup - Duplicate sample for quality assurance/quality control

Table 6. Field parameters[1] (temperature, conductivity, dissolved oxygen, pH, and redox potential) for ground-water samples collected from probehole locations; February 2002 Status Report; Coliseum Boulevard Plume Project; Montgomery, Alabama.

Locations	Depth (ft BLS)[2]	Sampling Date	Temperature (°C)	Conductivity (mg/m)	Dissolved Oxygen (mg/l)	pH (s.u.)	Redox (mv)
Location 1	46-50	12/03/2001	21.70	122	3.42	4.86	501
Location 3	44.5-48.5	12/05/2001	22.76	71.0	2.57	5.41	278
Location 4	39-43	12/07/2001	21.40	95.0	1.83	5.12	256
Location 6	52-56	12/10/2001	20.15	82.4	2.80	5.37	558
Location 10	40-43	12/12/2001	19.56	69.8	4.52	5.47	550
Location 12	36-40	12/13/2001	22.67	55.7	4.43	5.26	130
Location 14	25-28	12/21/2001	20.79	38.0	2.95	5.75	441
Location 17	56.5-60.5	12/18/2001	20.8	37.0	1.09	5.25	210
Location 18	48-52	12/19/2001	22.76	82.0	1.72	5.70	170
Location 9R	54-58	01/17/2002	21.49	57.0	2.36	5.47	203
Location 21	44-48	01/07/2002	21.52	100	2.24	5.11	206
Location 24	42-46	01/11/2002	21.71	73.0	2.17	5.34	35.0
Location 28	28-32	01/08/2002	20.59	63.0	1.65	4.67	218
Location 30	24-25.5	01/15/2002	20.50	79.0	2.56	4.93	252
Location 31	22-26	01/18/2002	20.98	48.0	2.26	6.04	313
Location 31	42-46	01/18/2002	20.30	51.0	2.65	7.50	161
Location 33	42-46	01/22/2002	21.40	86.0	3.02	5.28	229
Location 34	20-24	01/23/2002	21.98	65.0	2.86	5.09	216
Location 35	24-28	01/25/2002	21.07	54.0	2.98	4.94	490
Location 36	22-26	01/24/2002	23.22	54.0	3.41	4.84	223
Location 14R	44-48	02/20/2002	21.78	48.5	4.07	5.27	510

Table Continued on the next page

Table 6. Field parameters[1] (temperature, conductivity, dissolved oxygen, pH, and redox potential) for ground-water samples collected from probehole locations; February 2002 Status Report; Coliseum Boulevard Plume Project; Montgomery, Alabama.

Locations	Depth (ft BLS)[2]	Sampling Date	Temperature (°C)	Conductivity (mg/m)	Dissolved Oxygen (mg/l)	pH (s.u.)	Redox (mv)
Location 23R	56-60	02/21/2002	22.65	31.7	3.16	5.72	285
Location 30R	40-44	02/22/2002	20.10	141.2	3.97	5.26	620
Location 29R	37-41	02/26/2002	19.80	146.4	3.94	5.33	517
Location 6R	48-52	02/27/2002	17.98	101	2.73	5.03	639
Location 22R	52-56	02/27/2002	20.15	164.0	3.53	4.82	640

Notes:
[1] All of the natural attenuation parameteres were measured with a Hydro-lab multi-parameter meter.
[2] Ft BLS - Feet below land surface

Table 7. Construction characteristics of 100, 200, and 300-series monitoring wells ; February 2002 Status Report; Coliseum Blvd. Plume Investigation (Addendum 06 Work Plan); Montgomery, Alabama.

Well/ Piezometer I.D.	Location	Date Augered/ Constructed	Total Depth (ft. BLS)[1]	Diameter of Borehole (Inches)	Diameter of PVC Casing (Inches)	Screened Interval (ft. BLS)	Slot Size of Screen (Inches)	Sand Pack (ft. BLS)	Bentonite Pellet Seal (ft. BLS)	Cement/ Bentonite Seal (ft. BLS)
MW 104	ALDOT Central Complex	11/20/01	31	6	2	21.5-30.5	0.010	19-31	17-19	0.5-17
MW 204	ALDOT Central Complex	10/25/01	64	6	2	57-63.5	0.010	55-64	51-55	0.5-51
MW 304	ALDOT Central Complex	5/15/01	87	6	2	72.5-86.8	0.010	70-87	67.5-70	0.5-67.5
MW105	ALDOT Central Complex	10/23/01	27	6	2	20.5-26.5	0.010	17-27	15-17	0.5-15
MW 205	ALDOT Central Complex	10/22/01	56	6	2	46.5-55.5	0.010	43.5-56	41-43.5	0.5-41
MW106	ALDOT Central Complex	11/5/01	34	6	2	24.5-33.5	0.010	22-34	20-22	0.5-20
MW 206	ALDOT Central Complex	10/24/01	54.5	6	2	45-54	0.010	43-54.5	40-43	0.5-40
MW107	ALDOT Central Complex	11/7/01	35	6	2	25.5-34.5	0.010	23-35	21-23	0.5-21
MW 207	ALDOT Central Complex	10/31/01	67.5	6	2	58-67	0.010	55-67.5	53-55	0.5-53
MW108	ALDOT Central Complex	11/2/01	25	6	2	15.5-24.5	0.010	13-25	11-13	0.5-11
MW 208	ALDOT Central Complex	10/26/01	52	6	2	47-51	0.010	44.5-52	42-44.5	0.5-42
MW109	ALDOT Central Complex	10/29/01	33	6	2	23.5-32.5	0.010	21-33	19-21	0.5-19
MW 209	ALDOT Central Complex	10/30/01	70	6	2	60.5-69.5	0.010	58-71	56-58	0.5-56
MW 210	North Blvd	10/31/01	9	6	2	4.5-8.5	0.010	2.5-9	1-2.5	0.5-1
MW111	Christian lab	11/6/01	46	6	2	36.5-45.5	0.010	34-46	32-34	0.5-32
MW 211	Christian lab	11/1/01	81	6	2	71.5-80.5	0.010	69.5-81	67-69.5	0.5-67
MW 311	Christian lab	1/30-31/02	83.5	10.25	8[2]	---	---	---	---	0-83.5
		2/4/02	93.5	6.25	2	88.5-93	0.010	86-93.5	84-86	0-84
MW 112	Newell Pkway	11/13/01	35	6	2	25.5-34.5	0.010	23-35	21-23	0.5-21
MW 212	Newell Pkway	11/7/01	71	6	2	61.5-70.5	0.010	59-71.5	57-59	0.5-57
MW 113	Zoo	11/9/01	20.5	6	2	11-20	0.010	9-20.5	7-9	0.5-7
MW 213	Zoo	11/8/01	36	6	2	31.5-35.5	0.010	29-36	27-29	0.5-27
MW 214	Wadsworth property	11/9/01	10	5.25	2	3-7	0.010	2-7.5	1-2	0-1
MW 214A	Wadsworth property	12/5/01	19	6	2	9.5-18.5	0.010	7.5-19	5.5-7.5	0.5-5.5
MW 115	Brockway Dr.	11/13/01	25	6	2	15.5-24.5	0.010	13-25	11-13	0.5-11
MW 215	Brockway Dr.	11/12/01	39.5	6	2	30-39	0.010	27.5-39.5	25.5-27.5	0.5-25.5
MW 116	Emory Folmar Blvd	11/20/01	19	6	2	9.5-18.5	0.010	7-19	5-7	0.5-5
MW 216	Emory Folmar Blvd.	11/13/01	40.5	6	2	31-40	0.010	29-40.5	27-29	0.5-27
MW 117	Broadway St.	12/12/01	44	6	2	34.5-43.5	0.010	32-44	30-32	0.5-30
MW 217	Broadway St.	11/14/01	74.5	6	2	65-74	0.010	63-74.5	61-63	0.5-61
MW 118	Kiwanis St.	11/20/01	19	6	2	9.5-18.5	0.010	7-19	5-7	0.5-5
MW 218	Kiwanis St.	11/15/01	39.5	6	2	35-39	0.010	33-39.5	31-33	0.5-31
MW 219	Coliseum Blvd	11/15/01	19.5	6	2	10-19	0.010	8-19.5	6-8	0.5-6
MW 220	ADEM	11/16/01	31.5	6	2	22-31	0.010	20-31.5	18-20	0.5-18
MW 221	Manley Dr.	11/26/01	26.5	6	2	15-26	0.010	13-26.5	11-13	0.5-11
MW 122	ADEM	11/27/01	27	6	2	17.5-26.5	0.010	15.5-27	13.5-15.5	0.5-13.5
MW 222	ADEM	11/26/01	57.5	6	2	48-57	0.010	46-57.5	44-46	0.5-44
MW 123	Harris St.	11/28/01	26	6	2	16.5-25.5	0.010	14.5-26	12.5-14.5	0.5-12.5
MW 223	Harris St.	11/27/01	70	6	2	60.5-69.5	0.010	58-70	56-58	0.5-56

Continued on next page

Table 7. Construction characteristics of 100, 200, and 300-series monitoring wells ; February 2002 Status Report; Coliseum Blvd. Plume Investigation (Addendum 06 Work Plan); Montgomery, Alabama.

Well/ Piezometer I.D.	Location	Date Augered/ Constructed	Total Depth (ft. BLS)[1]	Diameter of Borehole (Inches)	Diameter of PVC Casing (Inches)	Screened Interval (ft. BLS)	Slot Size of Screen (Inches)	Sand Pack (ft. BLS)	Bentonite Pellet Seal (ft. BLS)	Cement/ Bentonite Seal (ft. BLS)
MW 124	Vista View Place	11/29/01	39	6	2	24.5-38.5	0.010	22.5-39	20-22.5	0.5-20
MW 224	Vista View Place	11/28/01	54	6	2	44.5-53.5	0.010	42-54	39.5-42	0.5-39.5
MW 125	Cruz St.	11/30/01	25	6	2	15.5-24.5	0.010	13.5-25	11.5-13.5	0.5-11.5
MW 225	Cruz St.	11/29/01	40.5	6	2	31-40	0.010	29-40.5	27-29	0.5-27
MW 226	Corona Dr.	11/30/01	21	6	2	11.5-20.5	0.010	9.5-21	7.5-9.5	0.5-7.5
MW 227	Coliseum Pkwy.	12/3/01	27.5	6	2	18-27	0.010	15.5-27.5	13.5-15.5	0.5-13.5
MW 128	Gardendale Dr.	12/6/01	26.5	6	2	17-26	0.010	15-28.5	13-15	0.5-13
MW 228	Gardendale Dr.	12/4/01	50.5	6	2	41-50	0.010	39-50.5	37-39	0.5-37
MW 129	Vista View Entrance	12/6/01	27.5	6	2	18-27	0.010	16-27.5	14-16	0.5-14
MW 229	Vista View Entrance	12/4/01	40	6	2	30.5-39.5	0.010	28-40	26-28	0.5-26
MW 130	Gardendale Dr.	12/6/01	28	6	2	18.5-27.5	0.010	16.5-28	14.5-16.5	0.5-14.5
MW 230	Gardendale Dr.	12/5/01	51.5	6	2	42-51	0.010	40-51.5	38-40	0.5-38
MW 131	Eastern Meadows	12/6/01	24	6	2	17-23.5	0.010	15-24	13-15	0.5-13
MW 231	Eastern Meadows	12/5/01	33	6	2	28.5-32.5	0.010	26.5-33	24.5-26.5	0.5-24.5
MW 132	Broadway St.	12/10/01	29	6	2	19.5-28.5	0.010	16.5-29	14.5-16.5	0.5-14.5
MW 232	Broadway St.	12/7/01	56.5	6	2	46-55	0.010	44-56.5	42-44	0.5-42
MW 133	Coliseum Pkwy.	12/11/01	18.5	6	2	9-18	0.010	7-18.5	5-7	0.5-5
MW 233	Coliseum Pkwy.	12/10/01	30.5	6	2	26-30	0.010	24-30.5	22-24	0.5-22
MW 134	Brockway Dr.	12/12/01	26	6	2	11.5-25.5	0.010	9.5-26	7.5-9.5	0.5-7.5
MW 234	Brockway Dr.	12/11/01	39.5	6	2	35-39	0.010	33-39.5	31-33	0.5-31

Note:

[1] Feet below land surface.

[2] Permanent steel casing.

Table 8. Volatile organic compounds[1] (VOCs) detected in ground-water samples from monitoring wells; February 2002 Status Report; Coliseum Blvd. Plume Investigation (Addendum 06 2001 Work Plan); Montgomery, Alabama.

Sample Identifier	Sample Date	Trichloroethylene	Tetrachloroethylene	1,1,1-Trichloroethane	Vinyl Chloride	1,1-Dichloroethene	1,1-Dichloroethane	Cis-1,2-Dichloroethene	Carbon Tetrachloride	Chloroform	Bromodichloromethane	Dibromochloromethane	Chloromethane
		[Concentrations are in micrograms/liter]											
		1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]
MW 104	01/22/2002	ND[3]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 204	11/09/2001	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND
MW 304	10/29/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 105	10/31/2001	28.6	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND	ND
MW 105	11/16/2001	28.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 205	10/31/2001	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND
MW 106	11/17/2001	1,730	1.1	14.6	ND	12.5	3.4	7.2	7.4	4.0	ND	ND	ND
MW 206	11/08/2001	1.3	ND	ND	ND	ND	ND	ND	ND	3.6	ND	ND	ND
MW 107	11/16/2001	233	ND	ND	ND	1.3	ND	ND	ND	2.4	ND	ND	ND
MW 207	11/16/2001	259	ND	ND	ND	6.0	ND	ND	ND	5.8	1.2	ND	ND
MW 108	11/17/2001	227	ND	ND	ND	<1.0	ND	6.5	ND	ND	ND	ND	ND
MW 208	11/16/2001	342	ND	ND	ND	1.6	ND	ND	ND	1.3	ND	ND	ND
MW 109	11/30/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 209	11/30/2001	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND
MW 210	11/08/2001	ND	ND	ND	ND	ND	ND	10.6	ND	ND	ND	ND	ND
MW 111	11/17/2001	12.0	ND	ND	ND	ND	ND	ND	ND	21.0	ND	ND	ND
MW 211	11/08/2001	22.4	ND	ND	ND	2.3	ND	ND	ND	21.0	ND	ND	ND
MW 311	02/14/2002	ND	ND	ND	ND	ND	ND	ND	ND	1.2J[4]	ND	ND	ND
MW 112	12/12/2001	ND	ND	ND	ND	ND	ND	ND	ND	2.0J	ND	ND	ND
MW 212	12/14/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 113	01/16/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 213	01/16/2002	131	ND	ND	ND	7.8J	ND	ND	ND	ND	ND	ND	ND

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Table 8. Volatile organic compounds[1] (VOCs) detected in ground-water samples from monitoring wells; February 2002 Status Report; Coliseum Blvd. Plume Investigation (Addendum 06 2001 Work Plan); Montgomery, Alabama.

Sample Identifier	Sample Date	Trichloroethylene	Tetrachloroethylene	1,1,1-Trichloroethane	Vinyl Chloride	1,1-Dichloroethene	1,1-Dichloroethane	Cis-1,2-Dichloroethene	Carbon Tetrachloride	Chloroform	Bromodichloromethane	Dibromochloromethane	Chloromethane
		[Concentrations are in micrograms/liter]											
		1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]
MW 214	01/31/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3J
MW 214 A	01/11/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 214 A dup	01/11/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 115	01/04/2002	ND	ND	ND	ND	ND	ND	ND	ND	40.4	2.3J	ND	ND
MW 215	01/04/2002	3.8J	ND	ND	ND	1.8J	ND	ND	ND	44.0	5.4J	1.1J	ND
MW 116	12/07/2001	8.7J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 216	12/11/2001	12.8J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 216 dup	12/11/2001	12.5J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 117	01/30/2002	43.1	ND	ND	ND	1.6J	ND	ND	ND	1.2J	ND	ND	ND
MW 217	01/04/2002	23.3	ND	ND	ND	2.7J	ND	ND	ND	ND	ND	ND	ND
MW 217 dup	01/04/2002	24.4	ND	ND	ND	2.9J	ND	ND	ND	ND	ND	ND	ND
MW 118	12/11/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 218	12/11/2001	ND	ND	ND	ND	ND	ND	ND	ND	1.1J	ND	ND	ND
MW 219	12/07/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 220	12/12/2001	ND	ND	ND	ND	ND	ND	ND	ND	3.2J	ND	ND	ND
MW 221	12/14/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 122	12/19/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 222	12/19/2001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 123	01/09/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 223	01/09/2002	2.6J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 124	01/21/2002	38.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 224	01/21/2002	127	ND	ND	ND	14.6J	ND	ND	ND	ND	ND	ND	ND

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Table 8. Volatile organic compounds[1] (VOCs) detected in ground-water samples from monitoring wells; February 2002 Status Report; Coliseum Blvd. Plume Investigation (Addendum 06 2001 Work Plan); Montgomery, Alabama.

Sample Identifier	Sample Date	Trichloroethylene	Tetrachloroethylene	1,1,1-Trichloroethane	Vinyl Chloride	1,1-Dichloroethene	1,1-Dichloroethane	Cis-1,2-Dichloroethene	Carbon Tetrachloride	Chloroform	Bromodichloromethane	Dibromochloromethane	Chloromethane
		[Concentrations are in micrograms/liter]											
		1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]	1.0 μg/l[2]
MW 125	01/21/2002	2.9J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 225	01/21/2002	5.0J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 225 dup	01/21/2002	5.9J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 226	01/17/2002	491	ND	ND	ND	2.1J	ND	1.7J	ND	ND	ND	ND	ND
MW 227	01/17/2002	603	ND	ND	ND	2.7J	ND	ND	ND	1.2J	ND	ND	ND
MW 128	01/04/2002	21.8	ND	ND	ND	1.1J	ND	ND	ND	ND	ND	ND	ND
MW 228	01/04/2002	87.1	ND	ND	ND	6.9J	ND	ND	ND	ND	ND	ND	ND
MW 129	01/22/2002	856	ND	ND	ND	4.2J	ND	1.4J	ND	ND	ND	ND	ND
MW 229	01/22/2002	275	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW 130	01/21/2002	163	ND	ND	ND	ND	ND	1.3J	ND	ND	ND	ND	ND
MW 230	01/21/2002	300	ND	ND	ND	8.1J	ND	ND	ND	1.5J	ND	ND	ND
MW 131	01/16/2002	687	ND	ND	ND	2.8J	ND	ND	ND	ND	ND	ND	ND
MW 231	01/16/2002	1,690	ND (<5.0)	ND (<5.0)	ND (<5.0)	7.2J	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
MW 132	01/09/2002	ND	ND	ND	ND	ND	ND	ND	ND	1.5J	ND	ND	ND
MW 232	01/09/2002	46.6	ND	ND	ND	ND	ND	ND	ND	1.4J	ND	ND	ND
MW 133	01/17/2002	195	ND	ND	ND	6.9J	ND	ND	ND	1.3J	ND	ND	1.1J
MW 233	01/17/2002	392	ND	ND	ND	11.2J	ND	ND	ND	1.5J	ND	ND	ND
MW 134	01/10/2002	25.9	ND	ND	ND	1.9J	ND	ND	ND	ND	ND	ND	ND
MW 234	01/10/2002	341	ND	ND	ND	64.7	ND	ND	12.5J	2.9J	ND	ND	ND

Notes:
[1] Testing of the samples was in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.
[2] MDL = Method Detection Limit of 1.0 (or 5.0) micrograms per liter for the laboratory analyses
[3] ND - Not Detected
[4] J - Concentration below calibration curve but above detection limit

Table 9. Results[1] of volatile organic compounds detected in soil samples collected from "deep" exploratory borings; February 2002 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

Boring ID	Sample Date	Depth of Sample (ft. BLS[2])	Trichloroethylene	1, 1 Dichloroethene	Tetrachloroethylene	1, 1 Dichloroethane	Vinyl Chloride	cis-1,2-Dichloroethene	Chloroform	1, 1, 1-Trichloroethane	Carbon Tetrachloride	Trans-1,2-Dichloroethene	Benzene	Toluene	Ethyl Benzene	m,p,o-Xylene
			[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]	3.0 µg/kg[3]	3.0 µg/kg[3]	3.0 µg/kg[3]
DZ 1	01/23/2002	37	ND[4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 1	01/23/2002	79.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 1	01/23/2002	94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 2	01/22/2002	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 2	01/22/2002	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 3	01/25/2002	71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NC	ND
DZ 3	01/25/2002	86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 4	01/22/2002	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 4	01/22/2002	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 5	02/05/2002	38	3.3J[5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 5	02/05/2002	59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 6	02/07/2002	72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 6	02/07/2002	93.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 7	02/11/2002	53.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 7	02/11/2002	66.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 8	02/14/2002	11	NR[6]	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DZ 8	02/14/2002	63.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DZ 8	02/14/2002	86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Note:

[1] Soil samples from borings DZ 1 through DZ 7 were analyzed by **TTL, Inc.** in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846. Soil Samples from boring DZ 8 were analyzed by STL Laboratories.

[2] ft BLS - Feet below land surface

[3] MDL = Method Detection Limit of 3.0 micrograms per kilogram for the laboratory analyses

[4] ND - Not detected

[5] J - Concentration below calibration curve, but above detection limit

[6] NR - 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.

Table 10. Results[1] of volatile organic compounds (VOCs) detected in ground-water samples collected from exploratory borings; February 2002 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

Boring ID	Sample Date	Depth of Sample (ft. BLS[2])	Trichloroethylene	1, 1 Dichloroethene	Tetrachloroethylene	1, 1 Dichloroethane	Vinyl Chloride	cis-1,2-Dichloroethene	Chloroform	1, 1, 1-Trichloroethane	Carbon Tetrachloride	Trans-1,2-Dichloroethene	Benzene	Bromodichloroethane	Toluene	Ethyl Benzene	m,p,o-Xylene
			[Concentrations are in micrograms per kilogram (µg/kg)]														
			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]	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]	1.0 µg/l[3]	1.0 µg/l[3]	1.0 µg/l[3]
DZ 5	02/05/2002	54-59	ND[4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.0J[5]	ND	1.1J
DZ 6	02/08/2002	88.5-93.5	ND	ND	ND	ND	ND	ND	6.2J	ND	ND	ND	ND	1.4J	6.4J	ND	1.2J
DZ 7	02/14/2002	59-64	ND	ND	ND	ND	ND	ND	2.2J	ND	ND	ND	ND	ND	2.8J	ND	ND
DZ 8	02/15/2002	81-86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0J	ND	ND

Note:

[1] The 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] ft BLS - Feet below land surface

[3] MDL = Method Detection Limit of 1.0 micrograms per liter for the laboratory analyses

[4] ND - Not detected

[5] J - Concentration below calibration curve, but above the detection limit

Table 11. Construction characteristics of continuous multi-channel tubing (CMT) wells; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

CMT Well I.D.	Location	Date Constructed	Total Depth (ft. BLS)1	Diameter of Borehole (inches)	Diameter of CMT (inches)	Ports/Screened Intervals (ft. BLS)	Sand Pack (ft. BLS)	Bentonite Pellet Seal (ft. BLS)	Cement/ Bentonite Seal (ft. BLS)
CMT #1	Gardendale Dr. at Location 2R	2/13/02	51.5	6	1⅝	#1 / 43.1-43.4	42-45	41-42	0.5-27
						#2 / 39.3-39.6	39-41	37-39	
						#3 / 35.3-35.6	35-37	34-35	
						#4[2] / 31.6-31.9	32-34	31-32	
						#5 / 29.2-29.5	29-31	27-29	
						#6 / 47.4-47.7	46-49	45-46	
						#7 / 51.5	51-54	49-51	
CMT #2	Broadway St. at Location 9R	2/14/02	60	6	1⅝	#1 / 32.3-32.6	30.1-34	28-30.1	0.5-28
							35-37.2[3]	34-35	
						#2 / 40.3-40.6	38.2-40.5	37.2-38.2	
						#3 / 44.3-44.6	43-45.2	40.5-43	
						#4 / 48.4-48.7	47-49	45.2-47	
						#5 / 52.3-52.6	50.9-52.8	49-50.9	
						#6 / 56.1-56.4	54.4-57	52.8-54.4	
						#7 / 59.8	59-62	57-59	

Notes:

[1] Feet below land surface.

[2] Bentonite most likely around port.

[3] Interval of sand was used because of an insufficient supply of bentonite pellets.

Table 12. Ground-water elevations in CMT wells; Coliseum Blvd. Plume Investigation; Montgomery, Alabama.

Well Identifier	Elevation of Land Surface[1] (ft. AMSL)[2]	Elevation of Measuring Point[3] (ft. AMSL)	Date of Measurement	Ports/Screened Intervals (ft. BLS)[4]	Depth to Water (ft. BMP)[5]	Ground-Water Elevation (ft. AMSL)
CMT #1	219.70	219.50	2/21/02	#1 / 43.1-43.4	24.15	195.35
				#2 / 39.3-39.6	24.15	195.35
				#3 / 35.3-35.6	24.15	195.35
				#4 / 31.6-31.9	20.03[6]	199.46
				#5 / 29.2-29.5	24.15	195.35
				#6 / 47.4-47.7	24.15	195.35
				#7 / 51.45	24.15	195.35
CMT #2	222.18	221.85	2/21/02	#1 / 32.3-32.6	26.70	195.15
				#2 / 40.3-40.6	26.69	195.16
				#3 / 44.3-44.6	26.69	195.16
				#4 / 48.4-48.7	26.67	195.18
				#5 / 52.3-52.6	26.69	195.16
				#6 / 56.1-56.4	26.69	195.16
				#7 / 59.8	8.69[7]	----

[1] Elevations of land surface and measuring points were surveyed by Larry E. Speaks & Associates.
[2] Feet above mean sea level
[3] Top of casing
[4] Feet below land surface
[5] Feet below measuring point
[6] A bentonite plug probably surrounds the screen
[7] Erroneous water level; most likely caused by accumulation of water inside port during well construction.

Table 13. Results of analyses for volatile organic compounds (VOCs) detected in ground-water samples from continuous multi-channel tubing (CMT) wells; February 2002 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

Boring ID	Sample ID[1]	Screened Interval	Sample Date	Trichloroethylene	Chloromethane	Vinyl Chloride	1, 1 Dichloroethene	1, 1 Dichloroethane	cis-1,2-Dichloroethene	Chloroform	1, 1, 1-Trichloroethane	Carbon Tetrachloride	Benzene	1, 2 Dichloroethane	Bromodichloromethane	Toulene	1, 1, 2 Trichloroethane	Tetrachloroethylene	M,P,O-Xylenes
				[Concentrations are in micrograms per liter (µg/l)]															
				1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]
CMT-1	Port 1	43.1-43.4	02/21/2002	304	ND[3]	ND	35.9	ND	ND	61.1	ND	ND	ND	ND	ND	1.0J[4]	ND	ND	ND
CMT-1	Port 2	39.3-39.6	02/21/2002	84.2	ND	ND	5.4J	ND	ND	57.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
CMT-1	Port 3	35.3-35.6	02/21/2002	850	NA[5]	ND	20,000J	ND	ND	ND	23J	ND	ND	ND	NA	ND	NA	NA	ND
CMT-1	Port 4	31.6-31.9	02/21/2002	NS[6]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CMT-1	Port 5	29.2-29.5	02/21/2002	100	NA	ND	1,500J	ND	ND	ND	18J	ND	ND	ND	NA	ND	NA	NA	ND
CMT-1	Port 6	47.4-47.7	02/21/2002	157	ND	ND	27.0	ND	ND	54.7	ND	ND	ND	ND	2.7J	ND	ND	ND	ND
CMT-1	Port 7	51.5	02/21/2002	585	ND	ND	77.2	ND	ND	58.1	ND	14.8J	ND	ND	3.3J	ND	ND	ND	ND
CMT-2	Port 1	32.3-32.6	02/21/2002	1.4J	ND	ND	ND	ND	ND	35.4	ND	ND	ND	ND	1.4J	1.7J	ND	ND	ND
CMT-2	Port 2	40.3-40.6	02/21/2002	1.9J	ND	ND	ND	ND	ND	28.2	ND	ND	ND	ND	3.4J	ND	ND	ND	ND
CMT-2	Port 3	44.3-44.6	02/21/2002	5.6J	ND	ND	ND	ND	ND	43.5	ND	ND	ND	ND	1.3J	ND	ND	ND	ND
CMT-2	Port 4	48.4-48.7	02/21/2002	1.7J	ND	ND	ND	ND	ND	42.8	ND	ND	ND	ND	2.7J	1.0J	ND	ND	ND
CMT-2	Port 5	52.3-52.6	02/21/2002	ND	ND	ND	ND	ND	ND	45.4	ND	ND	ND	ND	2.2J	1.1J	ND	ND	ND
CMT-2	Port 6	56.1-56.4	02/21/2002	ND	ND	ND	ND	ND	ND	64.4	ND	ND	ND	ND	1.5J	1.9J	ND	ND	ND
CMT-2	Port 7	59.8	02/21/2002	ND	ND	ND	ND	ND	ND	46.0	ND	ND	ND	ND	ND	1.1J	ND	ND	ND

Notes:

[1] Samples collected on 2/21/02 were analyzed by TTL, Inc. in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846 with the exception of CMT-1 Ports 3 and 5 which were analyzed by Plains Environmental Services using a heated head-space method in a mobile laboratory.

[2] MDL - Method Detection Limit of 1.0 micrograms per liter for the laboratory analyses

[3] ND - Not detected

[4] J - Concentration below calibration curve, but above detection limit

[5] NA - Not analyzed

[6] NS - Not sampled; bentonite most likely around port

Table 14. Results of analyses[1] and treated volumes of water from the treatment system; February 2002 Status Report; Coliseum Boulevard Plume Investigation, Montgomery Alabama.

Sample Dates	Carbon Filter 1[2]	Carbon Filter 2	Carbon Filter 3	Blanks	Volume Treated (gallons)
	[Concentrations are expressed 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]	
February 4, 2002					
Trichloroethylene	ND[4]		ND	ND	
Chloromethane	ND	NA[5]	1.4J[6]	1.4J	456
Vinyl Choride	ND		ND	ND	
Chloroform	2.1J		ND	ND	
February 11, 2002					
Trichloroethylene	ND		ND	ND	
Chloromethane	2.6J		1.3J	1.5J	
Vinyl Choride	ND	NA	ND	ND	816
Chloroform	8.4J		ND	ND	
Bromodichloromethane	1.5J		ND	ND	
February 19, 2002					
Trichloroethylene	ND		ND	ND	
Chloromethane	ND	NA	ND	ND	209
Vinyl Choride	ND		ND	ND	
Choroform	1.5J		ND	ND	
Total Volume Treated - February					**1,481**

Notes:

[1] The samples were analyzed in accordance with Method 8260 outlined in Test Methods for Evaluating Solid Waste Physical/Chemical Methods, EPA, SW-846.

[2] Carbon filters installed in series; samples collected after Carbon Filter 1 (1st filter in series) to determine break through. Samples collected after Carbon Filter 3 for compliance with Montgomery Water Works and Sanitary Sewer Board discharge requirements.

[3] MDL = Method Detection Limit of 1.0 micrograms per liter for the laboratory analyses

[4] ND = Not detected

[5] NA = Not analyzed Carbon Filter 1 was disconnected on November 21, 2001, because breakthrough was observed and the pressure had increased on the first filter resulting in reduced flow.

[6] J - Concentration below calibration curve, but above detection limit

Table 15. Concentrations of volatile organic compounds[1] (VOCs) in samples of soils and surface water; "Low-Lying Areas" Investigation; March 2002 Status Report; Coliseum Blvd. Plume Site; Montgomery, Alabama.
[Distributions of VOCs in soils and ground water are shown on Figure 4.]

		Aqueous Lab Results			Soil Lab Results[2]			
		Trichloroethylene	Toluene	Approximate Sample Depth (inches)	Trichloroethylene	Trichlorofluoromethane	Benzene	Toluene
		[Concentrations are in micrograms per liter (µg/l)]			[Concentrations are in micrograms per kilogram (mg/kg)]			
Sample Location Identifier	Sample Date	1.0 µg/l[3]	1.0 µg/l[3]		3.0 µg/kg[4]	3.0 µg/kg[4]	3.0 µg/kg[4]	3.0 µg/kg[4]
A	11/15/2001	ND[5]	ND	6	ND	ND	ND	ND
A	02/13/2002	ND	ND	12	ND	6.3	ND	ND
B	11/15/2001	NC[6]	NC	5	ND	ND	ND	ND
B	02/13/2002	ND	ND	10	ND	ND	ND	ND
B - duplicate[7]	02/13/2002	ND	ND	10	ND	ND	ND	ND
C	11/15/2001	NC	NC	8	ND	ND	ND	ND
C	02/13/2002	ND	ND	8	NR[8]	NR	NR	NR
D	11/15/2001	NC	NC	8	ND	ND	ND	3.3J[9]
D-duplicate	11/15/2001	NC	NC	8	ND	ND	ND	12.4J
D	02/13/2002	ND	ND	8	ND	ND	5.0	ND
E	11/15/2001	NC	NC	4	ND	ND	ND	25.5J
E	02/13/2002	ND	ND	7	ND	ND	ND	9.5
F	11/15/2001	NC	NC	6	ND	ND	ND	8.8J
F	02/13/2002	ND	1.1J	11	ND	ND	ND	ND
G	11/15/2001	NC	NC	10	ND	ND	ND	ND
G	02/13/2002	ND	ND	7	ND	14.4	ND	ND
H	11/15/2001	ND	ND	6	ND	ND	ND	ND
H	02/13/2002	ND	ND	4	ND	ND	ND	ND
I	11/16/2001	4.6J	ND	3	ND	ND	ND	ND
I	02/14/2002	5.0J	ND	5	12.1	ND	ND	ND
J	11/16/2001	2.8J	ND	8	ND	ND	ND	ND
J	02/14/2002	3.9J	ND	5	ND	ND	ND	ND
K	11/16/2001	4.9J	ND	8	ND	ND	ND	ND
K-duplicate	11/16/2001	4.9J	ND	8	ND	ND	ND	ND
K	02/14/2002	16.4J	ND	11	ND	ND	ND	ND
K-duplicate	02/14/2002	16.2J	ND	11	ND	ND	ND	ND
L	11/16/2001	2.9J	ND	10	3.9J	ND	ND	ND
L	02/14/2002	7.9J	ND	8	ND	ND	ND	ND
M	11/16/2001	ND	ND	10	ND	ND	ND	ND
M	02/14/2002	ND	ND	10	ND	ND	ND	ND
N	11/15/2001	7.0J	ND	3	50.6J	ND	ND	16.4J
N	02/13/2002	16.8J	ND	9	ND	ND	ND	ND
O	11/15/2001	NC	NC	3	ND	ND	ND	3.3J
O	02/13/2002	ND	ND	8	ND	ND	ND	ND
P	11/15/2001	16.8J	ND	2	ND	7.1J	ND	ND
P	02/13/2002	41.2	ND	9	10.6	ND	ND	ND
Rinsate	11/15/2001	ND	ND	NA[10]	NA	NA	NA	NA
Blank	11/15/2001	ND	ND	NA	NA	NA	NA	NA
Rinsate	02/13/2002	ND	ND	NA	NA	NA	NA	NA
Blank	02/13/2002	ND	ND	NA	NA	NA	NA	NA
Rinsate 2	11/16/2001	ND	ND	NA	NA	NA	NA	NA
Blank	11/16/2001	ND	ND	NA	NA	NA	NA	NA
Rinsate 2	02/14/2002	ND	ND	NA	NA	NA	NA	NA
Blank	02/14/2002	ND	ND	NA	NA	NA	NA	NA

Notes:

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

[2] Methylene Chloride was detected in 11 soil samples. Methylene Chloride is believed to have been present in the laboratory during analysis of the soil samples.

[3] MDL = Method Detection Limit of 1.0 micrograms per liter for the aqueous laboratory analyses

[4] MDL = Method Detection Limit of 3.0 micrograms per gram for the soil laboratory analyses

[5] ND = Not Detected

[6] NC=Not Collected, aqueous sample not collected because surface water was not present.

[7] Duplicate samples were collected on November 15 and 16, 2001 and February 13 and 14, 2002 for quality assurance/quality control purposes.

[8] 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.

[9] J = Concentration below the calibration curve, but above the detection limit

[10] NA = Not analyzed

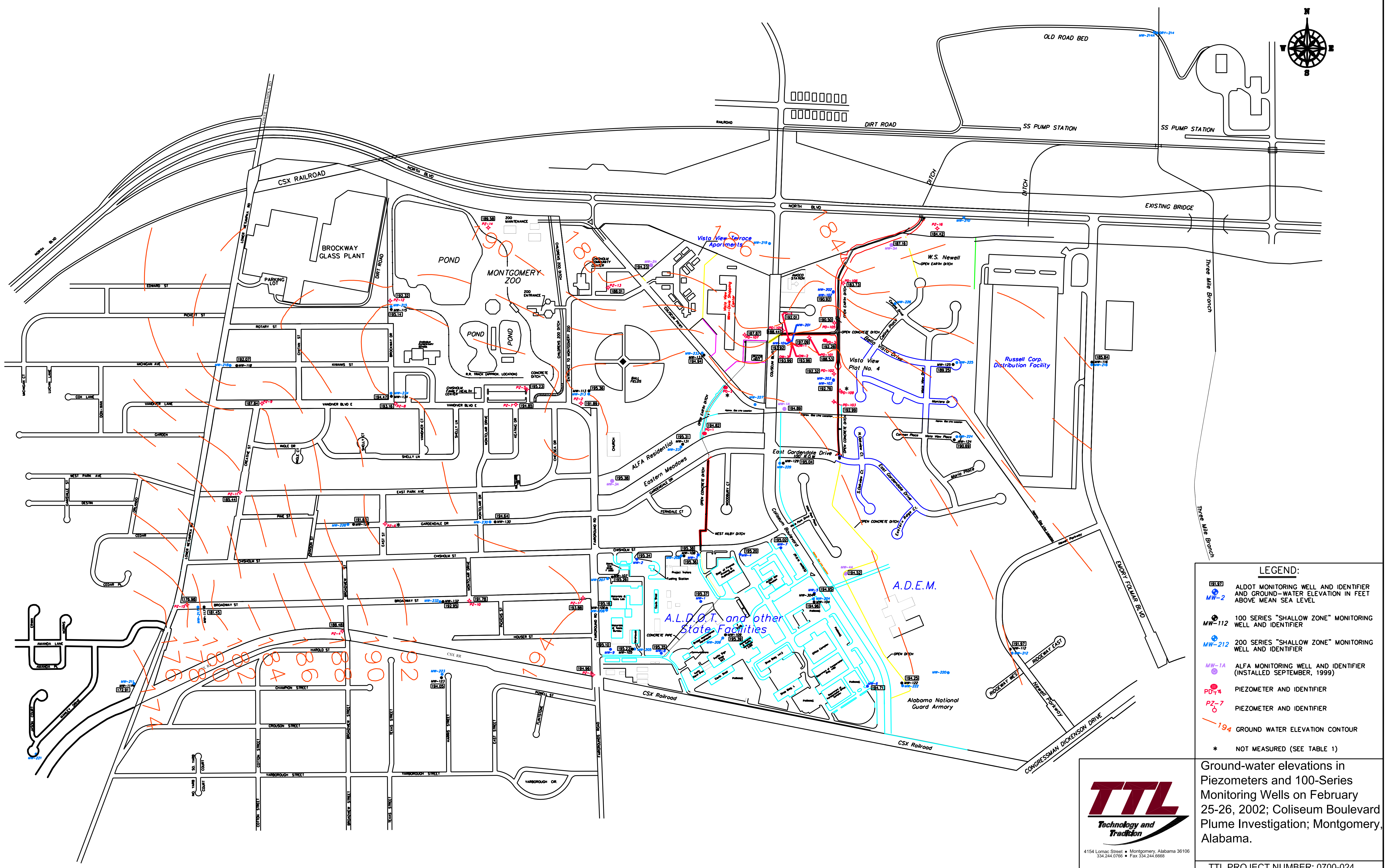
Table 16. Results of analyses[1] of Volatile Organic Hydrocarbons; February 2002 Status Report; Coliseum Boulevard Plume Project; Montgomery, Alabama.

		Trichloroethylene	Chloromethane	Vinyl Chloride	Methylene Chloride	Chloroform
		(Concentrations are expressed in micrograms/liter)				
Sample Date	Sample ID	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]	1.0 µg/l[2]
02/04/2002	Rinse (Core Rod)	ND[3]	ND	ND	ND	ND
02/04/2002	Blank	ND	ND	ND	ND	ND
02/11/2002	Rinse (Core Rod)	ND	ND	ND	ND	ND
02/11/2002	Blank	ND	ND	ND	ND	ND
02/07/2002	Rinse (8" diameter casing)	ND	ND	ND	ND	ND
02/07/2002	Blank	ND	ND	ND	ND	ND
02/13/2002	Rinse (6" Core Rod)	ND	ND	ND	ND	ND
02/13/2002	Blank	ND	ND	ND	ND	ND
02/14/2002	Rinse (4" Core Rod)	ND	ND	ND	ND	ND
02/14/2002	Blank	ND	ND	ND	ND	ND
02/20/2002	Geo 54 Rinse Grout Rod	ND	ND	ND	ND	1.0J[4]
02/20/2002	Blank	ND	ND	ND	ND	ND
02/21/2002	Geo 54 Rinse Grout Rod	ND	ND	ND	ND	ND
02/21/2002	Blank	ND	ND	ND	ND	ND
02/22/2002	Geo 54 Rinse Grout Rod	ND	ND	ND	2.2B[5]	ND
02/22/2002	Blank	ND	ND	ND	2.0B	ND
02/26/2002	Geo 54 Rinse (4' Rod)	ND	ND	ND	ND	ND
02/26/2002	Blank	ND	ND	ND	ND	ND
02/27/2002	Geo 54 Rinse (4' Rod)	ND	ND	ND	ND	ND
02/27/2002	Blank	ND	ND	ND	ND	ND
02/20/2002	Geo 66 Rinse (4' Rod)	ND	ND	ND	ND	ND
02/20/2002	Blank	ND	ND	ND	ND	ND
02/21/2002	Geo 66 Rinse (4' Rod)	ND	ND	ND	ND	ND
02/21/2002	Blank	ND	ND	ND	ND	ND
02/22/2002	Geo 66 Rinse (4' Rod)	ND	ND	ND	2.3B	ND
02/22/2002	Blank	ND	ND	ND	2.0B	ND
02/25/2002	Geo 66 Rinse (4' Rod)	ND	ND	ND	ND	ND
02/25/2002	Blank	ND	ND	ND	ND	ND
02/26/2002	Geo 66 Rinse (4' Rod)	ND	ND	ND	ND	ND
02/26/2002	Blank	ND	ND	ND	ND	ND
02/27/2002	Geo 66 Rinse (4' Rod)	ND	ND	ND	ND	ND
02/27/2002	Blank	ND	ND	ND	ND	ND

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

[2] MDL = Method Detection Limit of 1.0 micrograms per liter for the laboratory analyses
[3] ND - Not detected
[4] J - Concentration below the calibration curve, but above the detection limit
[5] B - Compound of interest was found above the detection limit concentration in a laboratory blank sample

PLATES



LEGEND:

191.97 MW-2	ALDOT MONITORING WELL AND IDENTIFIER AND GROUND-WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
MW-112	100 SERIES "SHALLOW ZONE" MONITORING WELL AND IDENTIFIER
MW-212	200 SERIES "SHALLOW ZONE" MONITORING WELL AND IDENTIFIER
MW-1A	ALFA MONITORING WELL AND IDENTIFIER (INSTALLED SEPTEMBER, 1999)
PD-4	PIEZOMETER AND IDENTIFIER
PZ-7	PIEZOMETER AND IDENTIFIER
194	GROUND WATER ELEVATION CONTOUR
*	NOT MEASURED (SEE TABLE 1)

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4154 Lomac Street ■ Montgomery, Alabama 36106
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Ground-water elevations in Piezometers and 100-Series Monitoring Wells on February 25-26, 2002; Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

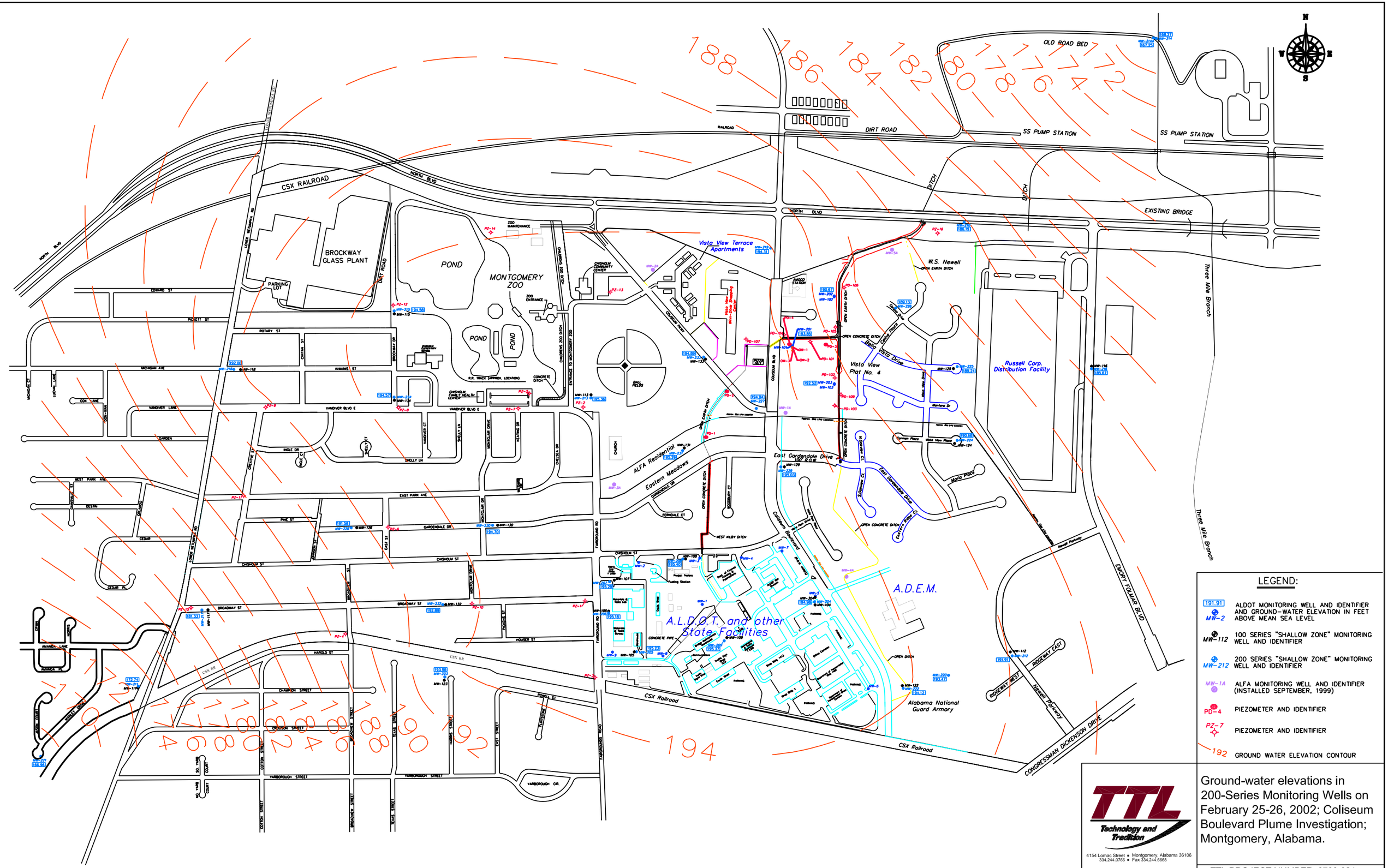
TTL PROJECT NUMBER: 0700-024

Drawing No. 020318

SCALE: 1" = 400'

Plate 1

Note: Base map is a composite of an initial base map compiled by Goodwyn, Mills & Cawood Environmental Consultants, Inc. and a June 16, 2000 map by Larry E. Speaks & Associates. The June 16, 2000 map of Larry Speaks & Associates was compiled from maps provided by TTL, Inc. and the Montgomery, Alabama Tax Assessor's Office.



LEGEND:

191.91 MW-2	ALDOT MONITORING WELL AND IDENTIFIER AND GROUND-WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
MW-112	100 SERIES "SHALLOW ZONE" MONITORING WELL AND IDENTIFIER
MW-212	200 SERIES "SHALLOW ZONE" MONITORING WELL AND IDENTIFIER
MW-1A	ALFA MONITORING WELL AND IDENTIFIER (INSTALLED SEPTEMBER, 1999)
PD-4	PIEZOMETER AND IDENTIFIER
PZ-7	PIEZOMETER AND IDENTIFIER
192	GROUND WATER ELEVATION CONTOUR

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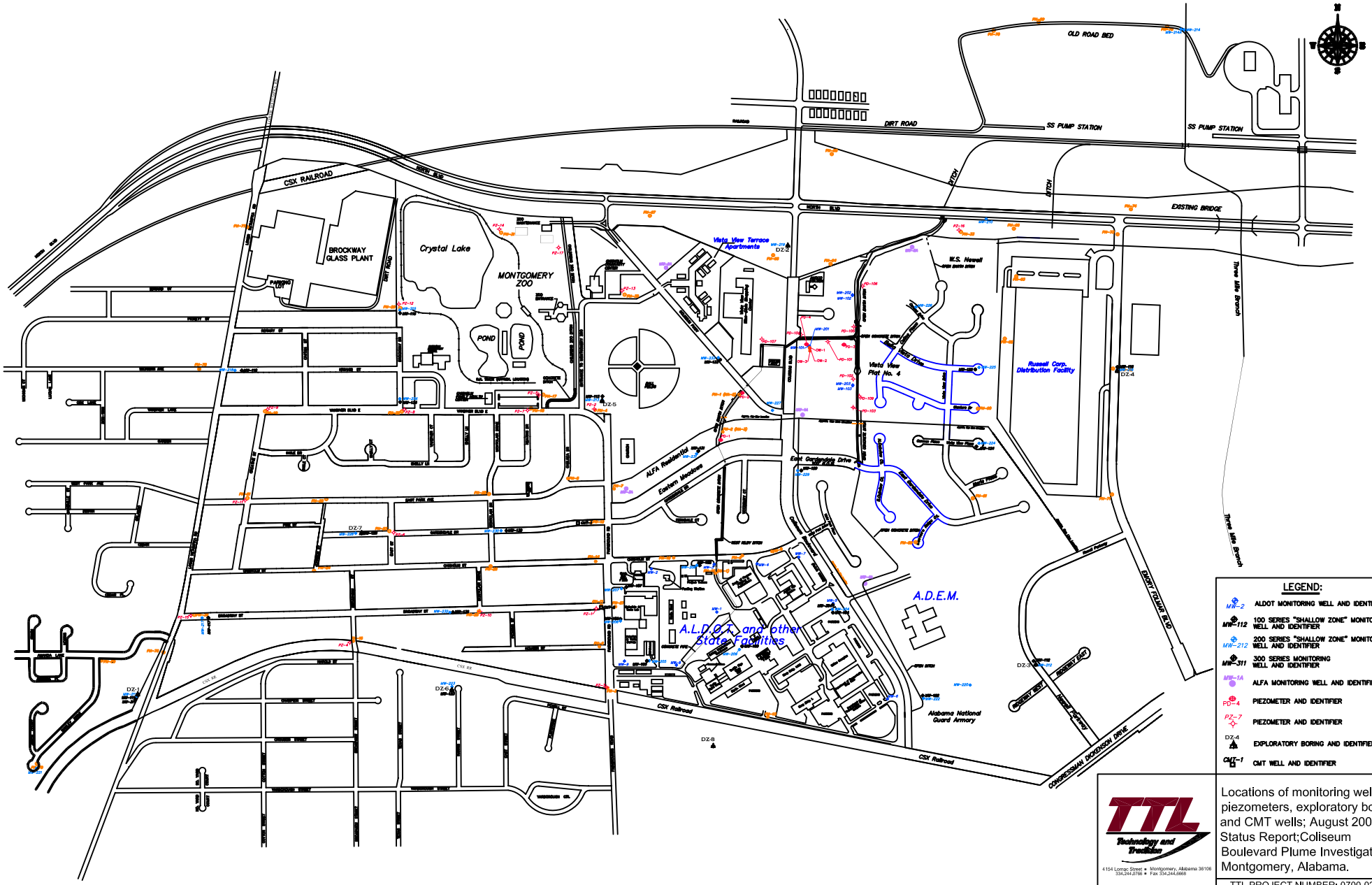
Ground-water elevations in 200-Series Monitoring Wells on February 25-26, 2002; Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

TTL PROJECT NUMBER: 0700-024

Drawing No. 0200318.1 | SCALE: 1" = 400' | Plate 2

Note: Base map is a composite of an initial base map compiled by Goodwyn, Mills & Cawood Environmental Consultants, Inc. and a June 16, 2000 map by Larry E. Speaks & Associates. The June 16, 2000 map of Larry Speaks & Associates was compiled from maps provided by TTL, Inc. and the Montgomery, Alabama Tax Assessor's Office.

FIGURES



Note: Base map is a composite of an initial base map compiled by Goodwyn, Mills & Cawood Environmental Consultants, Inc. and a June 16, 2000 map by Larry E. Speaks & Associates. The June 16, 2000 map of Larry Speaks & Associates was compiled from maps provided by TTL, Inc. and the Montgomery, Alabama Tax Assessor's Office.

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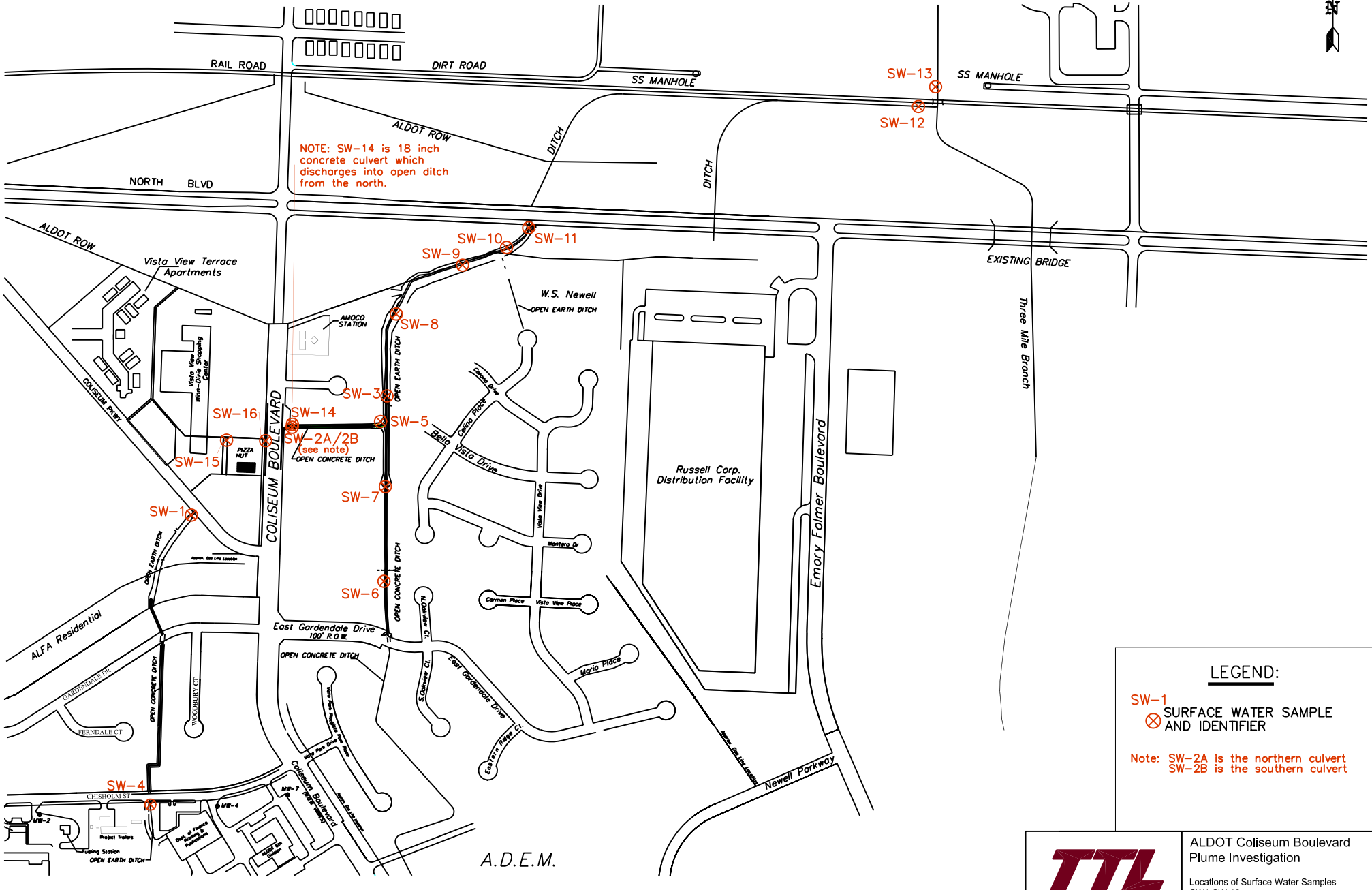
Locations of monitoring wells, piezometers, exploratory borings and CMT wells; August 2002 Status Report;Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

TTL PROJECT NUMBER: 0700-024

Drawing No. 020326

SCALE: 1" = 400'

Plate 3



LEGEND:

SW-1
⊗ SURFACE WATER SAMPLE AND IDENTIFIER

Note: SW-2A is the northern culvert
SW-2B is the southern culvert

Note: Base map is a composite of an initial base map compiled by Goodwyn, Mills & Cawood Environmental Consultants, Inc. and a June 16, 2000 map by Larry E. Speaks & Associates. The June 16, 2000 map of Larry Speaks & Associates was compiled from maps provided by TTL, Inc. and the Montgomery, Alabama Tax Assessor's Office.

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Drawing No. 020124

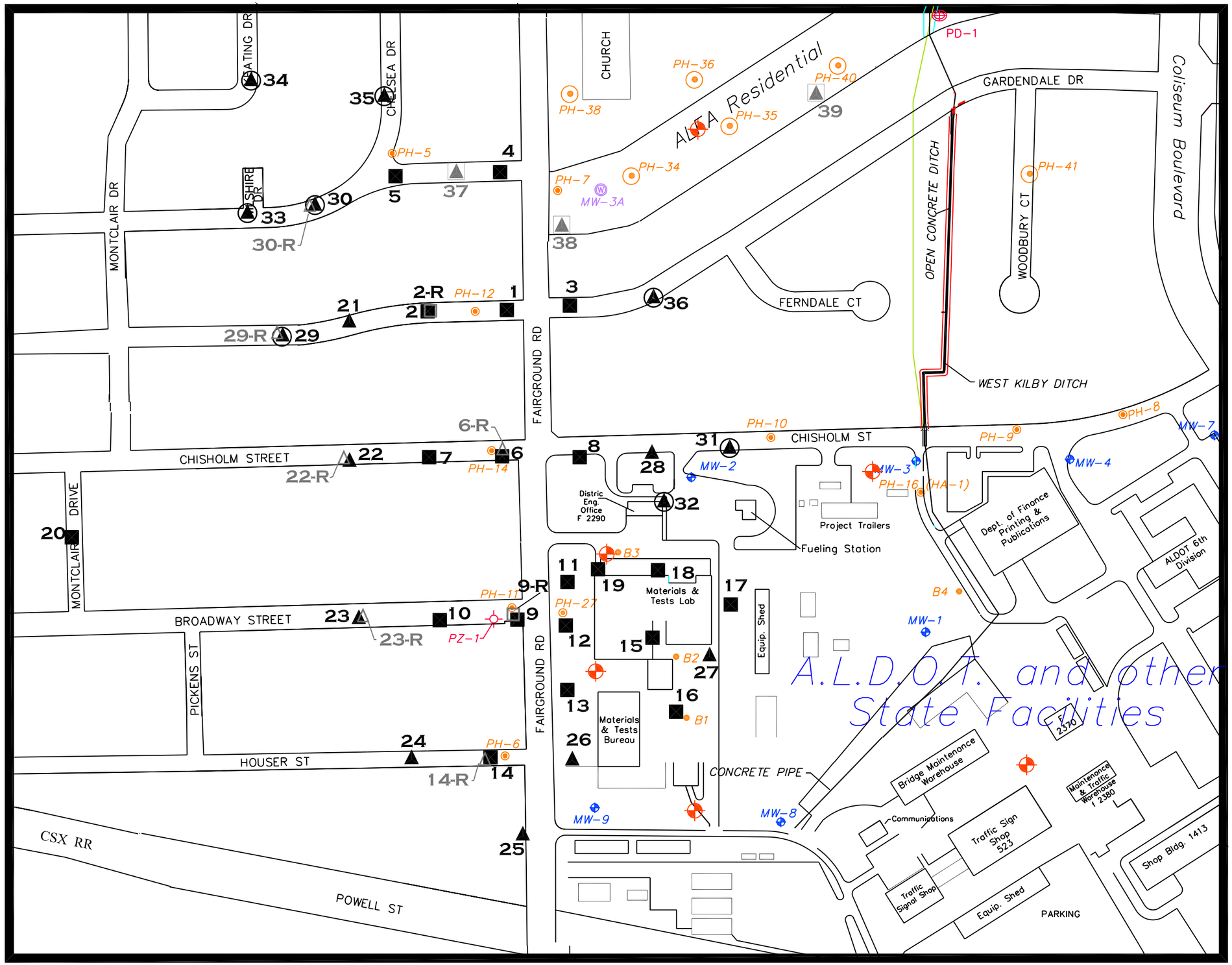
ALDOT Coliseum Boulevard Plume Investigation

Locations of Surface Water Samples SW1-SW-16

TTL PROJECT NUMBER: 0700-024

SCALE: 1" = 700'

Figure 2



ALDOT Coliseum Boulevard Plume Investigation

Locations of Probeholes; Addendum 03, February 2002.

TTL Technology and Tradition

4154 Lomac Street ■ Montgomery, Alabama 36106
334.244.0766 ■ Fax 334.244.6668

TTL PROJECT NUMBER: 0700-024

Drawing No. 020205 | SCALE: 1" = 250' | Figure 3

ATTACHMENTS

ATTACHMENT A
BORING LOGS

PROBEHOLE BORING LOGS

TTL, Inc.

PRACTICING IN THE GEOSCIENCES
Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF PROBEHOLE
Location #37
&
CONSTRUCTION

PROJECT NUMBER	0700-024	GEOLOGIST	C. Krafcheck
LOCATION	Montgomery, AL*	DATE(S) DRILLED	02/22/2002
DRILLING COMPANY	Plains Env. Services	CASING DIA./TYPE	
DRILLER	D. Mick	SCREEN SLOT/TYPE	
DRILLING METHOD	Geoprobe 66DT	FILTER PACK TYPE	
		TOP OF CASING	Ft. AMSL
REMARKS	*East Park Ave.	GROUND ELEVATION	214.44 Ft. AMSL
		DEPTH TO WATER	N/A
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM ← Well Cover
		SC				Asphalt (4")		
						Sand, red (2.5YR 4/8), fine to loose grained, clayey		
						Clay, red & yellowish-red (5YR 4/6), sandy		
5		CL				Red, yellowish-red & light yellowish-brown (10YR 6/4)		
						Sand, red, yellow & light yellowish-brown, fine to coarse grained, clayey		
10		SC				Red, dark yellowish-brown (10YR 4/6), fine to very coarse grained w/approx. 20% fine to very coarse gravel		
						Yellowish-brown (10YR 5/6)		
15		CL				Clay, yellowish-brown & light gray (10YR 7/2), slightly sandy, micaceous		
20		SM				Sand, light yellowish-brown (10YR 6/4) & very pale brown (10YR 7/4), fine grained, silty, traces of glauconite & mica		
25		SP SM				Sand, light yellowish-brown & very pale brown, fine to very coarse grained w/approx. 20% fine to very coarse gravel		
						Approx. 40% gravel		
30		SM				Sand, very pale brown (10YR 8/2) (10YR 8/3) & brownish-yellow (10YR 6/8), fine grained w/mica & glauconite		
		CL				Clay, light gray (10YR 7/2), ⅛" thick		

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Coliseum Blvd. Plume
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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF PROBEHOLE
Location #37
&
CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	C. Krafcheck
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/22/2002

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE: INTERVAL (feet)	SAMPLE: % RECOVERY	SAMPLE: PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM
		SM				Sand, very pale brown, fine grained, w/mica & glauconite		
40		SC SM				Sand, very pale brown, fine to coarse grained w/less than 5% fine gravel, very glauconite, micaceous, clayey		
						Brownish-yellow		
						Ferruginous		
		CL				Clay, gray (10YR 6/1)		
						BORING TERMINATED AT 43 FEET.		

Coliseum Blvd. Plume

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PRACTICING IN THE GEOSCIENCES
Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF PROBEHOLE
Location #38
&
CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	C. Krafcheck
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/26/2002
DRILLING COMPANY	Plains Env. Services	**CASING DIA./TYPE**	
DRILLER	D. Mick	**SCREEN SLOT/TYPE**	
DRILLING METHOD	Geoprobe 66DT	**FILTER PACK TYPE**	
		TOP OF CASING	Ft. AMSL
REMARKS	*East of Fairground Rd. between East Park Ave. & Gardendale Dr.	**GROUND ELEVATION**	215.15 Ft. AMSL
		DEPTH TO WATER	N/A
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM ← Well Cover
		CL				Clay, yellowish-red (5YR 5/8) (5YR 4/6), sandy w/organics Clay, yellowish-red, sandy		
5						Yellowish-red, pinkish-gray (5YR 7/2)		
10								
15		SM				Sand, brownish-yellow (10YR 6/8), yellowish-brown (10YR 5/8) & very pale brown (10YR 8/3), fine grained w/traces of mica & glauconite Very pale brown (10YR 8/3) (10YR 8/4), fine to med. grained, traces of mica & glauconite		
20		SP SM				Less than 5% fine to coarse gravel Sand, brownish-yellow, fine to very coarse grained w/approx. 30% fine to very coarse gravel & traces of glauconite Sand, very pale brown, fine grained w/mica & glauconite		
25						Very pale brown, fine to coarse grained w/less than 5% fine to coarse gravel, w/glauconite Sand, dark yellowish-brown (10YR 3/6), fine to very coarse grained w/approx. 30% fine to very coarse gravel		
30						Sand, very pale brown, fine grained w/mica & glauconite Very pale brown, brownish-yellow (10YR 6/8) Fine to coarse grained		

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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF PROBEHOLE
Location #38
&
CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	C. Krafcheck
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/26/2002

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM
40		SM				Yellowish-brown (10YR 5/6) & dark yellowish-brown (10YR 4/6), fine to coarse grained w/mica & glauconite		
		CL				Clay, light yellowish-brown (10YR 6/4) & brownish-yellow		
						BORING TERMINATED AT 44 FEET.		

Coliseum Blvd. Plume
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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF PROBEHOLE
Location #39
&
CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	C. Krafcheck
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/22/2002
DRILLING COMPANY	Plains Env. Services	**CASING DIA./TYPE**	
DRILLER	D. Mick	**SCREEN SLOT/TYPE**	
DRILLING METHOD	Geoprobe 66DT	**FILTER PACK TYPE**	
		TOP OF CASING	Ft. AMSL
REMARKS	*ALFA Property/Eastern Meadows Subdivision	**GROUND ELEVATION**	205.46 Ft. AMSL
		DEPTH TO WATER	N/A
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM ← Well Cover
		CL				Clay, olive brown (2.5Y 4/3), w/organics Clay, olive brown, olive (5Y 5/4) & light gray (10YR 7/2)		
5								
10		SC				Sand, olive, light gray, fine grained, clayey		
		SM				Sand, olive brown, light gray, fine to med. grained Light brownish-gray (2.5Y 6/2) & light olive brown (2.5Y 5/6), fine to med. grained		
15		SP SM				Sand, yellowish-brown (10YR 5/6), fine to coarse grained, w/less than 5% fine to coarse gravel Approx. 30% fine to very coarse gravel		
20		SM				Sand, brownish-yellow (10YR 6/8) & very pale brown (10YR 8/3) (10YR 8/4), fine grained w/mica & glauconite		
25						Brownish-yellow, very pale brown, fine to med. grained w/mica & glauconite		
30		SC				Sand, brownish-yellow, very pale brown, fine to med. grained, clayey w/mica & glauconite		
		CL				Clay, brownish-yellow (10YR 6/8)		
						BORING TERMINATED AT 32 FEET.		

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MONITORING WELL BORING LOG

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PRACTICING IN THE GEOSCIENCES
Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF BORING MW 311 & WELL CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	01/30/2002 - 01/31/2002; 2/04/2002
DRILLING COMPANY	Miller Drilling Co., Inc.	**CASING DIA./TYPE**	2"/8"
DRILLER	R. Stiles	**SCREEN SLOT/TYPE**	0.010-in. slotted PVC
DRILLING METHOD	Versa Sonic w/4" & 6" ID Coring Rods	**FILTER PACK TYPE**	20-40 Graded Sand
		TOP OF CASING	210.82 Ft. AMSL
REMARKS	*Christian Laboratory at MW111/211. Note: Log of boring MW311 (from LS to 81.5' BLS) taken from log of nearby boring DZ1. Cont. sampling began at 81.5' BLS at boring of MW311.	**GROUND ELEVATION**	211.04 Ft. AMSL
		DEPTH TO WATER	37.76 Ft. BMP
		WATER ELEVATION	173.06 Ft. AMSL

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE: INTERVAL (feet)	SAMPLE: % RECOVERY	SAMPLE: PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE
		SM				Sand, brown (7.5YR 4/4), fine grained, silty w/gravel	
5		CL				Clay, yellowish-red (5YR 5/3), sandy	
						Yellowish red & light gray (2.5Y 7/3), sandy w/mica	
10						Silty & sandy	
		SM				Sand, strong brown (7.5YR 5/3) & yellow (2.5Y 7/6), fine to med. grained, silty	
15		SW SM				Sand, strong brown & yellow, fine to very coarse grained w/approx. 30% fine to coarse gravel	
20						(Approx. 40% recovery at 19-29 ft. interval)	
25		GW				Gravel, fine to coarse	
		SW SM				Sand, brownish-yellow (10YR 6/8), fine to very coarse grained, w/approx. 25% fine to coarse gravel	
						Pale yellow (2.5Y 3/2) & yellow, fine to very coarse grained w/approx. 5% fine to coarse gravel	
30						Sand, light yellowish-brown (2.5Y 6/4) & pale yellow, fine to very coarse grained w/approx. 20% fine to coarse gravel	

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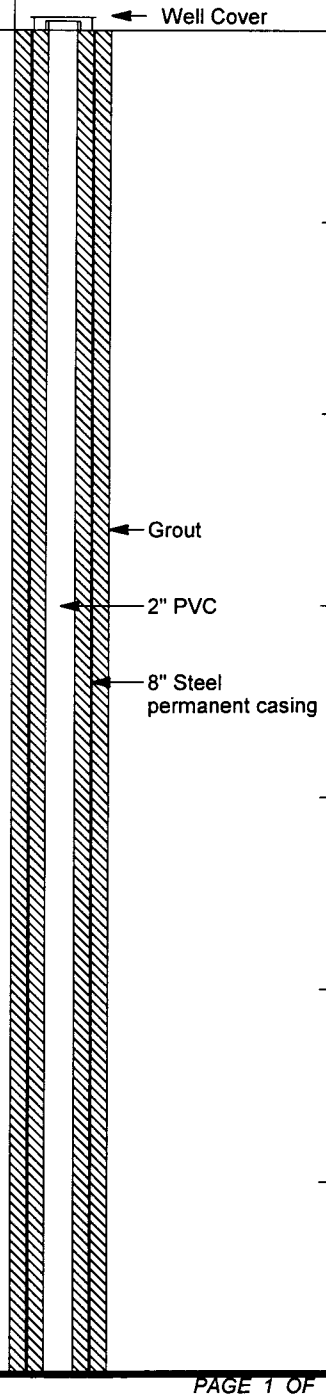
WELL DIAGRAM



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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF BORING MW 311 & WELL CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	01/30/2002 - 01/31/2002; 2/04/2002

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE: INTERVAL (feet)	SAMPLE: % RECOVERY	SAMPLE: PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	WELL DIAGRAM
		SM				Sand, pale yellow & yellow (2.5Y 8/6), fine to med. grained, silty w/mica & glauconite	2/14/02	
40		SM SC				Sand, pale yellow (5Y 8/2) & brownish-yellow (10YR 6/8), fine to med. grained, silty & clayey		Grout; 2" PVC; 8" Steel permanent casing
45								
50		SC				Sand, light yellowish-brown (2.5 6/3) & brownish-yellow, fine to med. grained, clayey w/mica & glauconite		
55						Sand, pale yellow & brownish-yellow, fine to med. grained, silty w/mica & glauconite		
60						Sand, brownish-yellow, fine to coarse grained, w/mica & glauconite		
65		SM				Light olive brown (2.5Y 5/3) & black (2.5/1), fine to very coarse grained		
70						Light olive brown & brownish-yellow, fine to coarse grained, w/mica & glauconite		
						Light olive brown, brownish-yellow & black, fine to coarse grained, w/mica & glauconite		

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TTL, Inc.

PRACTICING IN THE GEOSCIENCES
Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF BORING MW 311 & WELL CONSTRUCTION

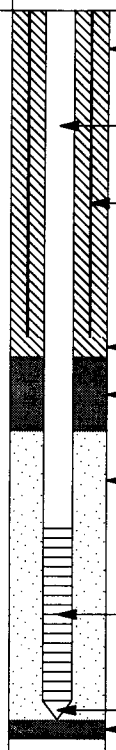
PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	01/30/2002 - 01/31/2002; 2/04/2002

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE: INTERVAL (feet)	SAMPLE: % RECOVERY	SAMPLE: PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE
						Light olive brown & brownish-yellow, fine to coarse grained w/mica & glauconite	
						Ferruginous	
		SC				Sand, pale yellow & yellow, fine to coarse grained, clayey w/mica & glauconite	
80							
		CL				Clay, light olive brown (2.5Y 6/6) & light gray, silty	
						Brownish-yellow, silty	
85		ML				SILT, white (5Y 8/1), sandy, micaceous, dense	
		CL					
		ML				CLAY, light yellowish-brown (2.5Y 6/4), light greenish-gray (10Y 8/1) & yellowish-brown, silty, slightly sandy	
						SILT, pale olive & brownish-yellow (10YR 6/8), sandy, w/mica & glauconite	
90		SC				SAND, light olive gray (5Y 6/2) & brownish-yellow, fine to med. grained, silty & clayey w/mica & glauconite	
		SM				SAND, brownish-yellow (10YR 6/8), fine to coarse grained, w/mica	
		CL				CLAY, brownish-yellow, light gray & strong brown, sandy, w/mica	

BORING TERMINATED AT 94 FEET.

WELL DIAGRAM



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EXPLORATORY BORING LOGS

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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF BORING DZ5 & CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/05/2002
DRILLING COMPANY	Miller Drilling Co., Inc.	**CASING DIA./TYPE**	
DRILLER	R. Stiles	**SCREEN SLOT/TYPE**	
DRILLING METHOD	Versa Sonic w/4" & 6" ID Coring Rods	**FILTER PACK TYPE**	
		TOP OF CASING	Ft. AMSL
REMARKS	*Ball Park at MW113/213	**GROUND ELEVATION**	207.62 Ft. AMSL
	Note: Log of boring DZ5 (from LS to 37.5' BLS) taken	**DEPTH TO WATER**	N/A
	from log of nearby monitoring well MW213. Continuous	**WATER ELEVATION**	
	sampling began at 37.5' BLS at boring DZ5.		

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM ← Well Cover
		ML			0	Silt, yellowish-red (5YR 6/8), sandy		
		CL			0	Clay, yellowish-red, sandy w/gravel		
					0	Dark brown (7.5YR 3/2), sandy, w/organics		
					0	Olive yellow (2.5Y 6/6), sandy		
5					0	Yellowish-brown (10YR 5/6) & light gray (10YR 7/1), silty, slightly sandy		
					0			
					0			
					0			
					0			
10					0			
					0			
		SM			0	Sand, yellowish-red, fine to med. grained, silty w/gravel		
					0			
		SC			0	Sand, brownish-yellow & light gray, fine to med. grained, clayey		
15		SP SM			0	Sand, brownish-yellow & yellow (7.5Y 8/6), fine to very coarse grained, w/approx. 15% fine to coarse gravel		
					0			
					0	White (2.5Y 8/1), fine to coarse gravel, w/approx. 20% fine to coarse gravel		
20		GW			0	Gravel, fine to very coarse, w/fine to very coarse sand		
					0			
					0			
		SP SM			0	Sand, pale yellow (2.5Y 8/2), fine to very coarse grained w/gravel		
25		SM			0	Sand, yellow (2.5Y 7/6), fine to very coarse grained w/mica & glauconite		
					0			
					0			
					0	Sand, brownish-yellow (10YR 6/8), fine to coarse grained w/mica & glauconite w/occ. (<5%) gravel		
30					0			
					0			
					0			
					0			

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Coliseum Blvd. Plume
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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF BORING DZ5 & CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/05/2002

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM
					0			
		SC			0	Sand, reddish-yellow (7.5YR 6/6), fine to coarse grained, clayey		
		CL			0	Clay, brownish-yellow & light gray, sandy, w/mica		
					0	Clay, brownish-yellow (10YR 6/8) & light gray (2.5Y 7/1), sandy w/mica		
					0	Sand, white (5Y 8/1) & olive yellow (2.5Y 6/6), fine to med. grained, very clayey, dense		
40					0			
					0	Light gray (5Y 7/1) & brownish-yellow, very clayey, dense		
		SC			0			
					0			
					0			
45					0	Brownish-yellow & light gray, fine to med. grained, less clayey & dense		
					0	Sand, light gray (2.5Y 7/2) & brownish-yellow, fine to med. grained, clayey & silty w/mica & glauconite		
					0			
					0			
					0			
50					0			
					0			
		SM			0			
					0			
					0			
55					0			
					0			
					0			
					0	Brownish-yellow & pale yellow (2.5Y 7/3), fine to med. grained, silty w/mica & glauconite		
		CL			0	Clay, light greenish-gray (10Y 7/1) & brownish-yellow (10YR 6/8), sandy, w/mica		
60		CL ML				Clay, greenish-gray (5BG 6/1) & light gray (H7), silty w/mica		
						Clay, greenish-gray (5GY 5/1) & strong brown (7.5YR 4/6), silty, stiff		
		CL				Greenish-gray (5GY 6/1) & strong brown, silty, stiff, mottled		
65						Reddish-brown (5YR 7/3) & greenish-gray (5GY 6/1) (top of Gordo Formation), silty, mottled		
						BORING TERMINATED AT 66 FEET.		

Coliseum Blvd. Plume
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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF BORING DZ6 & CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/07/2002 - 02/08/2002
DRILLING COMPANY	Miller Drilling Co., Inc.	**CASING DIA./TYPE**	
DRILLER	R. Stiles	**SCREEN SLOT/TYPE**	
DRILLING METHOD	Versa Sonic w/4" & 6" ID Coring Rods	**FILTER PACK TYPE**	
		TOP OF CASING	Ft. AMSL
REMARKS	*Harris St. at MW123/223	**GROUND ELEVATION**	214.52 Ft. AMSL
	Note: Log of boring DZ6 (from LS to 71.5' BLS) taken	**DEPTH TO WATER**	N/A
	from log of nearby monitoring well MW223.	**WATER ELEVATION**	
	Continuous sampling began at 71.5' BLS at boring DZ6		

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM ← Well Cover
		SC			0	Sand, red (2.5YR 4/8), fine to very coarse grained, w/fine to very coarse gravel ~5%, clayey		
					0	Clay, very dark grayish-brown (10YR 3/2), sandy		
					0			
					0	Gray (10YR 6/1), fine grained, clayey		
					0	Gray (10YR 6/1) & strong brown (7.5YR 5/6), sandy		
5					0			
		CL			0			
					0			
					0			
					0			
10					0			
					0	Sand, very pale brown (10YR 7/3), red (2.5YR 4/6), light reddish-brown (2.5YR 7/3), & light gray (10YR 7/1), fine to very coarse grained w<5% fine to very coarse gravel, occ. clayey		
					0			
					0			
15					0			
		SC			0	Sand, pale yellow (2.5Y 8/3), reddish-yellow (5YR 5/6) & brownish-yellow (10YR 6/8), fine grained, silty, occ. clayey		
					0			
					0			
					0			
20					0	Sand, pale yellow & brownish-yellow, fine to med. grained w/mica & glauconite		
					0			
					0			
		SM			0			
					0			
25					0			
					0			
		CL			0	Clay, light olive gray (5Y 6/2), micaceous, sandy & silty (approx. 5" thick)		
					0	Sand, pale yellow & brownish-yellow, fine to med. grained, silty & clayey w/mica & glauconite		
					0			
30					0			
					0			
					0			
					0			

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Coliseum Blvd. Plume
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PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/07/2002 - 02/08/2002

Continued from Previous Page

Columns: DEPTH (feet) | GRAPHIC LOG | U.S.C.S. | SAMPLE: INTERVAL (feet), % RECOVERY, PID (ppm) | LITHOLOGIC DESCRIPTION | WATER LEVEL & DATE | DIAGRAM

Depth scale: 40, 45, 50, 55, 60, 65, 70

U.S.C.S.	LITHOLOGIC DESCRIPTION
SC	
SM	Sand, pale yellow & brownish-yellow, fine to med. grained w/mica & glauconite
	Pale yellow & brownish-yellow, fine to coarse grained w/mica & glauconite
SC	Sand, olive yellow, pale yellow, brownish-yellow, fine to coarse grained, clayey w/mica & glauconite
SM	Sand, yellowish-brown (10YR 5/6), fine to coarse grained w/mica & glauconite
	Dark yellowish-brown (10YR 4/6), fine to coarse grained w/mica & glauconite
SC	Sand, yellowish-brown (10YR 5/6), yellowish-red (5YR 5/8) & pale yellow (2.5Y 8/2), fine to coarse grained, clayey w/mica & glauconite
SM	Sand, yellowish-red (5YR 4/6) & strong brown (7.5YR 5/8), fine to coarse grained w/mica & glauconite
CL	CLAY, brownish-yellow (10YR 6/8) & light gray (5Y 7/1), sandy
SC	SAND, brownish-yellow & light gray, fine to med. grained, clayey w/mica & glauconite

PID (ppm), top to bottom: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF BORING DZ6 & CONSTRUCTION

PROJECT NUMBER 0700-024 **GEOLOGIST** S. Grammas

LOCATION Montgomery, AL* **DATE(S) DRILLED** 02/07/2002 - 02/08/2002

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM
		SM			0 0 0	SAND, brownish-yellow, fine to med. grained, silty w/mica & glauconite		
		SC			0	SAND, reddish-yellow (7.5YR 7/8) & white (5Y 8/1), fine grained, clayey w/mica & glauconite		
		CL			0	CLAY, light gray (5Y 7/1), silty (~4" thick)		
80		SM			0	SAND, brownish-yellow (10YR 6/8) & yellow (10YR 7/8), fine to med. grained, silty w/mica & glauconite		
		SC			0 0 0 0 0 0 0 0 0 0 0	Yellowish-brown (10YR 5/6), fine to med. grained w/glauconite SAND, pale yellow (5Y 8/2) & brownish-yellow (10YR 6/8), fine to med. grained, silty w/mica & glauconite, clayey, dense Yellow (2.5Y 7/6) & light yellowish-brown (2.5Y 6/4), fine to med. grained, clayey w/mica & glauconite		
85								
90		SM			0 0 0 0 0	SAND, pale yellow (2.5Y 7/4), fine to med. grained, w/mica & glauconite		
95		CL				CLAY, brownish-yellow & light gray, sandy w/mica Reddish-brown (5YR 7/3) & greenish-gray (5GY 6/1), silty, mottled (top of Gordo Formation)		
						BORING TERMINATED AT 99 FEET.		

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PRACTICING IN THE GEOSCIENCES

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LOG OF BORING DZ7 & CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/11/2002
DRILLING COMPANY	Miller Drilling Co., Inc.	**CASING DIA./TYPE**	
DRILLER	R. Stiles	**SCREEN SLOT/TYPE**	
DRILLING METHOD	Versa Sonic w/4", 6" & 8" ID Coring Rods	**FILTER PACK TYPE**	
		TOP OF CASING	Ft. AMSL
REMARKS	*Gardendale Dr. at MW 228/128	**GROUND ELEVATION**	212.32 Ft. AMSL
	Note: Log of boring DZ7 (from LS to 52' BLS) taken	**DEPTH TO WATER**	N/A
	from log of nearby monitoring well MW228. Continuous	**WATER ELEVATION**	
	sampling began at 52' BLS at boring DZ7.		

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM ← Well Cover
		CL			0	CLAY, red (2.5YR 4/6) & yellowish-red (5YR 5/6), sandy w/mica		
5					0			
10		SP SM			0	SAND, yellowish-red, reddish-yellow (2.5YR 6/8), fine to very coarse grained, w/approx. 30% fine to very coarse gravel		
		SC			0	SAND, yellowish-red (5YR 5/4), fine to coarse grained w/mica, clayey		
15		SM			0	SAND, reddish-yellow, fine to coarse grained		
		GW GM			0	SAND, reddish-yellow, fine to very coarse grained, w/approx. 50% fine to very coarse gravel, clayey		
20					0	SAND, yellow (10YR 7/8), fine to very coarse grained, w/approx. 40% gravel, clayey		
					0	SAND, reddish-yellow, fine to med. grained, w/mica & glauconite		
25					0	Brownish-yellow (10YR 6/6), very pale brown (10YR 7/4) & light gray (2.5Y 7/2), fine to med. grained, occ. clayey w/mica & glauconite		
30		SM			0			

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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

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LOG OF BORING DZ7 & CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/11/2002

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM
					0			
					0	Brownish-yellow, very pale brown & light yellowish-brown (2.5Y 6/3), fine to med. grained, glauconitic w/mica		
					0			
					0	Yellowish-red (5YR 5/8), black (5YR 2.5/1), white (10YR 8/1) & yellowish-brown (10YR 5/6), fine to med. grained w/mica & glauconite		
					0			
40					0			
					0			
					0			
		SP SM			0			
					0			
45					0			
					0			
					0			
					0			
		SC			0	SAND, strong brown (7.5YR5/8), fine to med. grained w/mica & glauconite, clayey		
		SM			0			
50		SC			0	SAND, brownish-yellow (10YR 6/6), fine to med. grained, w/mica & glauconite		
		CL			0	SAND, brownish-yellow (10YR 6/6), yellowish-red (5YR 4/6) & light gray (5Y 7/2), fine to med. grained w/mica & glauconite, clayey		
		SC			0			
					0	CLAY, gray (5Y 5/4), silty w/mica		
		MH			0	SAND, olive yellow fine, fine to med. grained, clayey w/mica & glauconite		
55		SM			0	SAND, dark yellowish-brown, fine to med. grained, w/mica & glauconite, clayey		
					0	CLAYEY, greenish-gray (10GY 6/1), clayey w/mica, slightly sandy		
					0	SAND, light gray (N 7/1), fine to med. grained, w/mica & glauconite		
					0	SAND, greenish-gray (10GY 6/1), fine to med. grained, clayey w/mica & glauconite		
		SC			0			
60					0			
					0			
					0			
					0	SAND, light gray (N 7/1), fine to med. grained, w/mica & glauconite		
		SM			0	Strong brown (7.5YR 5/8), fine to coarse grained, w/mica & glauconite		
65					0			
					0			
		CL			0	CLAY, dark gray (5Y 4/1), micaceous, silty		
					0	~1" Coal seam		
		SC			0	SAND, greenish-gray (10GY 7/1), fine to coarse grained w/occ. (<5%) fine to coarse gravel, clayey		
					0	Greenish-gray w/mica & glauconite, clayey		
70		CL			0	CLAY, greenish-gray, laminated w/silt, micaceous		
					0			
					0	SAND, light gray (N 7/1), fine grained, silty, w/mica & glauconite		
					0	Yellow (10YR 7/8), fine to coarse grained w/mica		
		SM			0			

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Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF BORING DZ7 & CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/11/2002

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM
					0			
					0	CLAY, greenish-gray (10Y 6/1), silty		
		CL			0	Greenish-gray & yellowish-brown (10YR 5/8), silty		
					0			
					0	CLAY, greenish-gray (5BG 6/1), w/silt, micaceous		
80		CL ML			0			
					0			
					0	SILT, greenish-gray & pale olive (5Y 6/3), sandy w/mica & glauconite, clayey		
		ML			0			
					0			
85		SC			0	SAND, greenish-gray w/olive gray (5Y 4/2), clayey		
		SM			0	SAND, greenish-gray, fine grained, silty, micaceous		
		CL				CLAY, reddish-brown (2.5YR 5/4) & greenish-gray (5BG 6/1), silty, mottled (top of Gordo Formation)		
						BORING TERMINATED AT 89 FEET.		

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LOG OF BORING DZ8 & CONSTRUCTION

PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/14/2002 - 02/15/2002
DRILLING COMPANY	Miller Drilling Co., Inc.	**CASING DIA./TYPE**	
DRILLER	R. Stiles	**SCREEN SLOT/TYPE**	
DRILLING METHOD	Versa Sonic w/4"& 6" ID Coring Rods	**FILTER PACK TYPE**	
		TOP OF CASING	Ft. AMSL
REMARKS	*Garrett Coliseum Property	**GROUND ELEVATION**	219.07 Ft. AMSL
		DEPTH TO WATER	N/A
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM ← Well Cover
		ML			0	SILT, brown (7.5YR 4/4), sandy		
					0	CLAY, red (2.5YR 4/6), sandy		
					0			
					0			
					0			
5		CL			0			
					0			
					0			
					0	Yellowish-brown (10YR 5/6), sandy		
					0			
10					0	SAND, reddish-yellow (7.5YR 6/8), fine grained, silty		
		SM			2.4			
					0	SAND, reddish-yellow, fine to coarse grained w/fine gravel (<5%)		
					2			
					0			
15					0			
					0	Yellow, fine to coarse grained w/<5% fine gravel		
					0			
		SP SM			0			
20					0			
					0			
					0			
					0			
25					0	(Approx. 50% recovery at 19 to 29 ft. interval)		
					0	SAND, pale yellow (5Y 7/3), fine grained, silty w/mica & glauconite		
		SM			0			
					0			
					0	SAND, brownish-yellow (10YR 6/8), fine to coarse grained w/approx. 40% fine to coarse gravel		
30					0	W/approx. 10% fine to coarse gravel		
		SP SM			0			
					0			
		CL			0	CLAY, yellowish-brown, sandy w/gravel (~4" thick)		
		SC			0	SAND, yellowish-brown, fine to coarse grained, clayey w/<5% fine to coarse gravel		

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PROJECT NUMBER	0700-024	**GEOLOGIST**	S. Grammas
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	02/14/2002 - 02/15/2002

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DEPTH (feet)	U.S.C.S.	SAMPLE: INTERVAL (feet)	SAMPLE: % RECOVERY	SAMPLE: PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM
	SM			0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	Yellowish-brown, fine to med. grained w/pale yellow (5Y 8/2), clay lense SAND, pale yellow (5Y 7/3) & strong brown (7.5YR 5/8), fine grained, silty w/mica & glauconite Pale yellow, strong brown & white (5Y 8/1), fine grained, w/mica & glauconite, silty		
40, 45							
50	SC SM			0, 0, 0, 0, 0, 0	SAND, pale yellow (5Y 8/2), fine grained, silty & clayey w/mica & glauconite		
55, 60	SM			0, 0, 0, 0, 0, 0, 0, 0, 0	SAND, fine grained, silty w/mica & glauconite Light yellowish-brown (2.5Y 5/6), fine grained w/mica & glauconite		
65	CL			0, 0, 0	CLAY, yellowish-brown (10YR 5/8), sandy w/mica		
	CL SC			0, 0, 0	Very sandy, micaceous Light greenish-gray (10GY 7/1), very sandy, w/mica & glauconite		
	CL				CLAY, bluish-gray (10B 6/1) (~4" thick), less sandy, w/mica & glauconite		
70	SC			0, 0, 0, 0, 0, 0	SAND, bluish-gray, fine to med. grained, clayey, dense, micaceous		

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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

LOG OF BORING DZ8 & CONSTRUCTION

PROJECT NUMBER 0700-024 **GEOLOGIST** S. Grammas

LOCATION Montgomery, AL* **DATE(S) DRILLED** 02/14/2002 - 02/15/2002

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	DIAGRAM
					0			
					0	Olive (5Y 4/4) & greenish-gray (5BG 5/1), clayey, dense, micaceous		
					0			
					0			
80		SM			0	SAND, light olive gray (5Y 6/2), fine to med. grained, w/mica & glauconite		
		SC				SAND, bluish-gray (5B 6/1), fine to med. grained, clayey		
						Light gray (N7)		
85		SM				SAND, light gray, fine to coarse grained, w/mica		
		CL				CLAY, bluish-gray (10B 5/1), silty, micaceous		
						Bluish-gray & light olive brown (2.5Y 5/4)		
						Brown (10YR 5/3) & light greenish-gray (10BG 7/1), mottled, silty (top of Gordo Formation)		
						BORING TERMINATED AT 89 FEET.		

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CMT WELL BORING LOGS

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PRACTICING IN THE GEOSCIENCES
Tuscaloosa - Montgomery - Florence

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COLISEUM BLVD. PLUME

LOG OF PROBEHOLE 2 & CONSTRUCTION DIAGRAM OF CMT WELL #1

PROJECT NUMBER	0700-024	**GEOLOGIST**	D. Carroll
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	11/04/2001; 2/13/2002**
DRILLING COMPANY	Plains Env. Services	**CASING DIA./TYPE**	1"/PVC
DRILLER	D. Mick	**SCREEN SLOT/TYPE**	3.5" 100 Wire Mesh
DRILLING METHOD	Geoprobe 5410	**FILTER PACK TYPE**	Graded Sand
		TOP OF CASING	219.50 Ft. AMSL
REMARKS	*Gardendale Dr. **Drilled boring for CMT well using Versa Sonic.	**GROUND ELEVATION**	219.70 Ft. AMSL
		DEPTH TO WATER	24.15 Ft. BMP
	Note: Log of CMT well #1 taken from log of adjacent probehole at location #2.	**WATER ELEVATION**	195.35 Ft. AMSL

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE: INTERVAL (feet)	SAMPLE: % RECOVERY	SAMPLE: PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE
						Asphalt (4 inches)	
						Clay/sand/gravel fill	
					0	Clay, red (2.5YR 4/6), sandy	
					0.7		
					2.5		
					0	Red (2.5YR 4/6) & strong brown (7.5YR 5/6), sandy	
5					2.1		
		CL			3.4		
					2.4		
					3		
					3.6		
10					2.5		
					3.1		
					4.1	Sand, reddish-yellow (5YR 5/8), fine to med. grained	
					3.8		
					3.8		
15					3.7		
					4		
		SM			3.8	Very pale brown (10YR 8/4) & brownish-yellow (10YR 6/8), fine to med. grained w/mica	
					3.7		
					2.7		
20					3.3		
					3.7	Very pale brown, reddish-yellow & pink (5YR 8/4), fine to very coarse grained w/approx. 5-10% fine to coarse gravel w/mica & glauconite	
						Sand, very pale brown (10YR 8/4) & pink, fine to very coarse grained w/approx. 40% fine to coarse gravel	2/21/02
25		SP SW					
						Brownish-yellow (10YR 6/6), fine to very coarse grained w/less than 5% fine to coarse gravel	
30		CL				Clay (approx. 4" thick), light yellowish-brown & dark yellowish-brown, very sandy	
						Sand, pale yellow (5Y 8/2), fine grained w/mica	
						Pale yellow (5Y 8/2) & olive yellow (5Y 6/8)	

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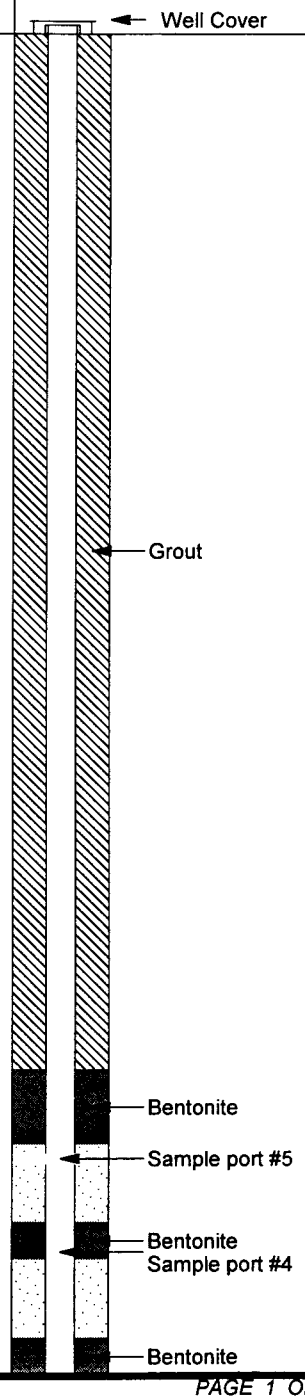
WELL DIAGRAM



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Tuscaloosa - Montgomery - Florence

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LOG OF PROBEHOLE 2 & CONSTRUCTION DIAGRAM OF CMT WELL #1

PROJECT NUMBER	0700-024	**GEOLOGIST**	D. Carroll
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	11/04/2001; 2/13/2002**

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE: INTERVAL (feet)	SAMPLE: % RECOVERY	SAMPLE: PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	WELL DIAGRAM
						w/mica & glauconite		Sample port #3
								Bentonite
40								Sample port #2
		SM						Bentonite
								Sample port #1
45								Bentonite
						More abundant glauconite & mica		Sample port #6
50								Bentonite
								Guide point w/Sample port #7
						Strong brown (7.5YR 5/8), fine to coarse grained w/mica & glauconite		
		CL				Clay, strong brown & light gray (10YR 7/2)		Filter pack
						BORING TERMINATED AT 54 FEET.		

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PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

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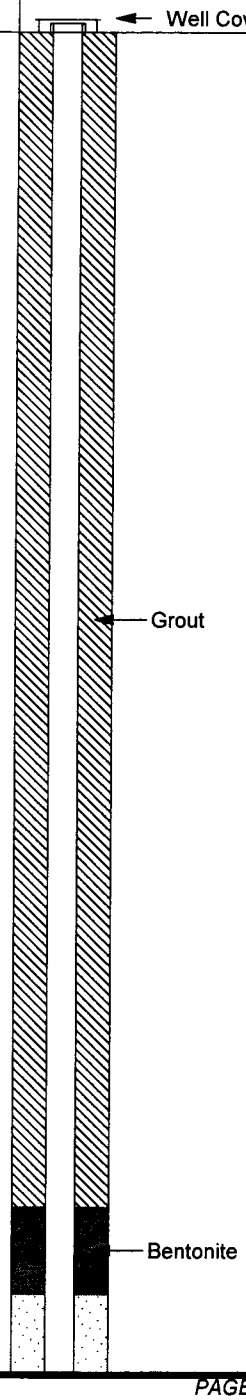
LOG OF PROBEHOLE 9 & CONSTRUCTION DIAGRAM OF CMT WELL #2

PROJECT NUMBER	0700-024	**GEOLOGIST**	C. Krafcheck
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	12/12/2001; 2/14/2002**
DRILLING COMPANY	Plains Env. Services	**CASING DIA./TYPE**	1"/PVC
DRILLER	D. Mick	**SCREEN SLOT/TYPE**	3.5" 100 Wire Mesh
DRILLING METHOD	Geoprobe 5410	**FILTER PACK TYPE**	Graded Sand
		TOP OF CASING	221.85 Ft. AMSL
REMARKS	*Broadway St. **Drilled boring for CMT well using Versa Sonic.	**GROUND ELEVATION**	222.18 Ft. AMSL
		DEPTH TO WATER	26.69 Ft. BMP
	Note: Log of CMT well #2 taken from log of adjacent probehole at location #9.	**WATER ELEVATION**	195.16 Ft. AMSL

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE
					0	Asphalt	
		CL			0	Clay, red (2.5YR 4/6), sandy	
		SP SM			0 0 0 0	Sand, yellow (10YR 7/8), fine to very coarse grained w/approx. 20% fine to very coarse gravel	
5		CL			0 0 0 0 0 0	Clay, red, sandy	
10		SC			0 0	Sand, red (2.5YR 4/8) & yellowish-red (5YR 4/6), fine to med. grained, clayey	
15		SM			0 0 0 0	Sand, strong brown (7.5YR 5/8) & reddish-yellow (7.5YR 6/8), fine to med. grained	
		SP SM			0 0 0 0	Sand, brown (7.5YR 4/4), fine to very coarse w/approx. 10% fine to coarse gravel; Sand, red (2.5YR 4/6) & reddish-yellow (7.5YR 6/8), fine to coarse grained w/approx. 5% fine to coarse gravel	
20					0 0 0 0 0	Sand, brownish-yellow (10YR 6/6), yellowish-red (5YR 4/6), light gray (5Y 7/2) & strong brown (7.5YR 5/8), fine to very coarse w/approx. 10% fine to very coarse gravel	
25					0 0	Saturated	
						Sand, brownish-yellow (10YR 6/8), fine to very coarse w/approx. 5% fine to coarse gravel	2/21/02
30							

WELL DIAGRAM



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Coliseum Blvd. Plume
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TTL, Inc.

PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

MAYNARD, COOPER & GALE
COLISEUM BLVD. PLUME

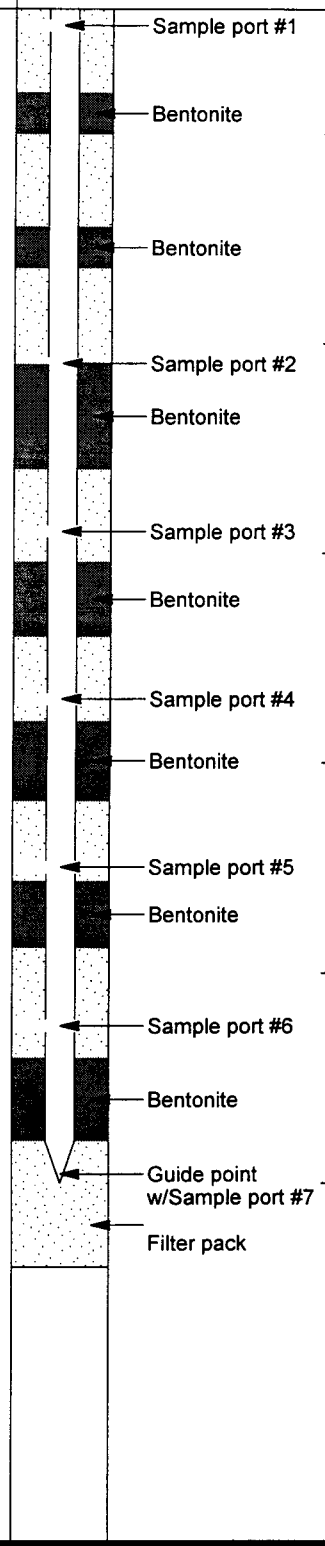
LOG OF PROBEHOLE 9 & CONSTRUCTION DIAGRAM OF CMT WELL #2

PROJECT NUMBER	0700-024	**GEOLOGIST**	C. Krafcheck
LOCATION	Montgomery, AL*	**DATE(S) DRILLED**	12/12/2001; 2/14/2002**

Continued from Previous Page

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE: INTERVAL (feet)	SAMPLE: % RECOVERY	SAMPLE: PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE
		SM				Sand, pale yellow (5Y 7/3) & brownish-yellow (10YR 6/8), fine to med. grained w/mica & glauconite	
		SC					
35		CL				Sand, pale yellow, brownish-yellow & light gray (5Y 7/2), fine to med. grained, clayey w/mica & glauconite	
		SC					
		CL				Clay lense, light gray (5Y 7/2), ½" thick, sandy	
		SC				Sand, pale yellow, brownish-yellow, light gray & yellowish-red (5YR 5/8), fine to med. grained, clayey w/mica & glauconite	
						Clay lense, light gray, ¼" thick, sandy	
40		SM				Sand, pale yellow, brownish-yellow, light gray & yellowish-red, fine to med. grained, clayey w/mica & glauconite	
						Sand, pale yellow, fine to med. grained w/mica & glauconite	
						Sand, pale yellow, fine to med. grained, silty, w/mica & glauconite	
45		SC				Sand, pale yellow, fine to med. grained, clayey w/mica & glauconite	
50						Pale yellow, reddish-brown (2.5YR 4/4) & brownish-yellow (10YR 6/8), clayey	
55							
		SM				Sand, light yellowish-brown (2.5Y 6/3), olive (5Y 5/3) & yellowish-brown (10YR 5/4), fine to med. grained, silty w/mica & glauconite	
60						Sand, brownish-yellow (10YR 6/8), fine to coarse grained w/mica & glauconite	
		SC				Sand, pale yellow (5Y 7/3), fine to med. grained, silty w/mica & glauconite	
						Sand, brown (10YR 4/3), fine to med. grained, clayey	
		CL				Clay, yellowish-brown, sandy, 1" thick	
						Clay, very dark gray (5Y 3/1) & light gray (2.5Y 7/1), sandy	
						BORING TERMINATED AT 63 FEET.	

WELL DIAGRAM



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ATTACHMENT B
ANALYTICAL RESULTS
(Refer to GIS Database)

ATTACHMENT C
WELL DEVELOPMENT FORM
and
WELL SAMPLING FORM

MONITORING WELL DEVELOPMENT FORM

TTL, Inc.

Monitoring Well Development

Facility Name: ALDOT/Coliseum Blvd Plume **Job No.:** 0700-024

Date: 02/12/2002 **Well No.:** 311 **Depth to Water:** 36.9 ft

Total Depth of Well: 93.5 ft **Screen Interval:** 88.5 - 93 ft

Development Method: Pneumatic Pump

Personnel: Brad Baker

Time	Temperature (C°)	Specific Conductance (µmhos)	pH (s.u.)	Turbidity (ntu)	Controller Settings (psi)	Volume Pumped (gallons)
12:05 PM	19.69	730	10.83	>440		
12:15 PM	19.55	143	9.02	>440		
12:25 PM	19.37	105	8.12	434		
12:35 PM	19.31	125	8.33	240		
12:45 PM	19.31	122	7.79	130		
12:55 PM	19.34	117	7.29	61.9		
1:05 PM	19.38	112	7.01	43.0		
1:15 PM	19.30	106	6.81	25.2		
1:25 PM	19.38	99.0	6.60	21.4		
1:35 PM	19.37	103	6.49	16.8		
1:45 PM	19.39	100	6.43	14.8		
1:55 PM	19.34	98.0	6.36	10.6		
2:05 PM	19.32	95.0	6.22	7.20		
2:15 PM	19.39	92.0	6.19	8.30		
2:25 PM	19.41	89.0	6.09	6.50		
2:35 PM	19.38	87.0	6.05	6.10		
2:45 PM	19.33	85.0	6.01	5.60		
2:55 PM	19.34	88.0	6.03	5.80		

Chlorine	Detected		Time
	Yes	~~No~~	3:05 PM

Comments:

TTL, Inc.

Monitoring Well Development

Facility Name:	ALDOT/Coliseum Blvd Plume	**Job No.:**	0700-024
Date:	02/12/2002	**Well No.:**	311
Depth to Water:	36.9 ft		
Total Depth of Well:	93.5 ft	**Screen Interval:**	88.5 - 93 ft
Development Method:	Pneumatic Pump		
Personnel:	Brad Baker		

Time	Temperature (C°)	Specific Conductance (µmhos)	pH (s.u.)	Turbidity (ntu)	Controller Settings (psi)	Volume Pumped (gallons)
3:05 PM	19.31	86.0	5.99	5.60		
3:15 PM	19.32	86.0	5.99	5.50		
3:25 PM	19.33	84.0	5.97	4.70		
3:35 PM	19.24	84.0	5.92	4.60		
3:45 PM	19.29	84.0	5.95	4.90		200

Chlorine	Detected		Time
	Yes	~~No~~	3:05 PM

Comments:

MONITORING WELL SAMPLING FORM

TTL, Inc.

Monitoring Well Sampling

Facility Name: ALDOT/Coliseum Blvd Plume **Job No.:** 0700-024

Date: 02/14/2002 **Well No.:** 311 **Depth to Water:** 37.76 ft

Total Depth of Well: 93.5 ft **Screen Interval:** 88.5-93 ft

Development Method: Bladder Pump

Personnel: Brad Baker

Time	Temperature (C°)	Specific Conductance (µmhos)	pH (s.u.)	Turbidity (ntu)	Controller Settings (psi)	Volume Pumped (gallons)
11:15 AM	20.13	92.0	6.32	20.6		
11:20 AM	19.80	86.0	6.15	37.2		
11:25 AM	19.85	85.0	6.05	29.3		4
11:30 AM	19.85	80.0	5.94	25.6		
11:35 AM	19.79	81.0	5.93	22.3		8
11:40 AM	19.94	82.0	5.94	23.1		
11:45 AM	19.84	82.0	5.94	19.5		12
11:50 AM	19.92	84.0	5.95	17.9		
11:55 AM	19.94	84.0	5.98	17.1		16
12:00 PM	19.87	84.0	6.00	16.1		
12:05 PM	19.95	85.0	6.02	17.2		
12:10 PM	20.00	86.0	6.03	15.6		
12:15 PM	19.93	87.0	6.05	16.1		
12:20 PM	19.89	89.0	6.08	16.4		
12:25 PM	19.98	90.0	6.10	14.4		
12:30 PM	19.93	89.0	6.11	14.7		
12:35 PM	19.87	88.0	6.11	17.6		
12:40 PM	19.98	90.0	6.12	16.7		

Chlorine	Detected		Time
	Yes	No	

Comments: Sampled at 12:58 pm.

TTL, Inc.

Monitoring Well Sampling

Facility Name:	**ALDOT/Coliseum Blvd Plume**			**Job No.:**	**0700-024**
Date:	**02/14/2002**	**Well No.:**	**311**	**Depth to Water:**	**37.76 ft**
Total Depth of Well:		**93.5 ft**		**Screen Interval:**	**88.5-93 ft**
Development Method:		**Bladder Pump**			
Personnel:	**Brad Baker**				

Time	Temperature (C°)	Specific Conductance (µmhos)	pH (s.u.)	Turbidity (ntu)	Controller Settings (psi)	Volume Pumped (gallons)
12:45 PM	19.98	89.0	6.12	17.3		
12:50 PM	19.96	90.0	6.12	16.5		
12:55 PM	19.99	90.0	6.13	16.7		40

Chlorine	Detected		Time
	Yes	No	

Comments: Sampled at 12:58 pm.