# JANUARY STATUS REPORT

# COLISEUM BOULEVARD PLUME INVESTIGATION

ALABAMA

DEPARTMENT OF TRANSPORTATION

February 27, 2002

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

**January 2002**
**Status Report**

*Water Level Measurements*

- January 11, 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 tabular and graphical form in Table 1.

- January 21 & 22, 2002: Depths to ground water were measured in all piezometers and monitoring wells (including the 56 "shallow zone" monitoring wells) associated with the Coliseum Boulevard Plume. Ground-water elevations on January 21 and 22, 2002 are provided in Table 1 and are shown on Plates 1 and 2. The locations of the monitoring wells are shown on Figure 1.

*Surface Water Sampling*

- January 7, 2002: Surface-water samples were collected from the locations along the main and west branches of the Kilby ditch and from a storm sewer manhole (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 January 7, 2002, all of the surface water locations (SW-1, SW-2A, SW-2B, SW-3, SW-4, SW-5, and SW-6 thru SW-16) included in the sampling plan were sampled and analyzed. On January 7, 2002, eleven of the seventeen surface water samples contained trichloroethylene (TCE). Surface water sample locations SW-1, SW-4, SW-6, SW-7, SW-12, and SW-13 did not contain TCE.

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

- January 3 - 25, 2002: Soil and ground-water samples were collected from "step-out" probeholes at locations identified as 21 through 36 as part of the October 24, 2001 Addendum 03 Work Plan (Investigation of Elevated Concentrations of TCE near Probehole 12). Boring logs of probeholes at locations 21 through 36 are provided in Attachment A.

Soil and ground-water samples were collected from each probehole location and analyzed for VOCs with an on-site field gas chromatograph (GC). Preliminary 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. The ground-water samples were also analyzed for alkalinity, chloride, nitrate, nitrite, sulfate, iron, methane, ethane, and ethene (see Table 5) by **TTL**'s fixed laboratory. Methane, ethane, and ethene analyses were performed by Severn Trent Laboratories (STL). The STL laboratory reports are provided in Attachment B. During the ground-water sampling, pH, conductivity, dissolved oxygen, oxidation-reduction (redox) potential and temperature were measured in the field by an on-site geologist. These parameters were measured in split samples that were analyzed at **TTL**'s laboratory (see Table 6). The analytical results for soil and ground-water samples are provided in Attachment B.

- January 16 & 17, 2002: Based on results of the analyses for VOCs in ground-water samples from probehole location #2 (December 4, 2001) on Gardendale Drive and from probehole location #9 (December 12, 2001) on Broadway Street, ground-water samples were continuously collected (in 4 foot intervals) from the water table to the top of the first distinct clay beneath the water table from probeholes adjacent to former probeholes #2 and #9. Locations of these probeholes (identified as 2R and 9R) are shown on Figure 3. Results of the analyses for VOCs in the ground-water samples from probeholes 2R and 9R are provided in Table 4. Based on these results, continuous collection of ground-water samples from the water table to the first distinct clay beneath the water table are currently being collected from additional probeholes.

*Installation of Monitoring Wells (Addendum 06 Work Plan)*

- January 2 – 30, 2002: Ground-water samples were collected from fourteen 100-series "shallow zone" monitoring wells (MW-104, -113, -115, -117, -123, -124, -125, -128, -129, -130, -131, -132, -133, and -134) and seventeen 200-series "shallow zone" monitoring wells (MW-213, -214, -214A, -215, -217, -223, -224, -225, -226, -227, -228, -229, -230, -231, -232, -233, and -234). The ground-water samples were shipped to **TTL**'s laboratory in Tuscaloosa, Alabama and analyzed for VOCs. This concluded the ground-water sampling at the previously constructed 56 "shallow zone" monitoring wells. The construction characteristics of these monitoring wells are provided in Table 7. Results of the analyses for VOCs in ground-water samples collected from 100- and 200-series "shallow zone" monitoring wells are provided in Table 8. Concentrations of VOCs in ground-water samples from the 100-series and 200-series "shallow zone" monitoring wells are shown on Figure 1.

(Laboratory reports of the analyses for VOCs in samples collected during the month of January are provided in Attachment B).

- January 2 – 30, 2002: Prior to sample collection, the monitoring wells were developed and purged until field parameters (pH, conductivity and turbidity) stabilized. Several of the monitoring wells (MW-113, -115, -128, -213, -215, -217, and -226) were developed in November and December but were sampled in January. Monitoring well MW-117, which had to be reconstructed in December because it was damaged by a vehicle, was purged and attempted to be sampled on January 18, 2002, but because the pH readings were high [above 10 s.u. (standard units)] the well was not sampled. The well was developed until pH measurements were lower and stabilized and the well was sampled on January 30, 2002. Note that the pH at MW-117 was elevated above the pH at MW-217, which may indicate a problem with the grout at MW-117. Results of the field parameter measurements during development and purging of the monitoring wells are provided in Attachment C.

- January 22 – 25, 2002: Four exploratory borings (DZ-1 through DZ-4) were installed using Versa Sonic drilling to the top of the Gordo Formation. Locations of these borings are shown on Figure 1. Boring logs of borings DZ-1 through DZ-4 are provided in Attachment A. Continuous soil samples were collected and field screened with a photoionization detector (PID). One soil sample collected from DZ-1 [at 37 feet BLS (below land surface)] was selected for analyses for VOCs based on results of the field screening. A total of nine soil samples were collected from the borings. Soil samples were collected from each boring from the top of the first distinct clay beneath the water table and from the top of the next distinct clay encountered beneath a second saturated zone (when present). Results of the soil samples collected from DZ-1 through DZ-4 and analyzed for VOCs are provided in Table 9.

- January 30 & 31, 2002: An eight-inch steel casing was installed to a depth of 83.5 feet 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 below land surface (BLS).

- From December 11, 2001 to January 29, 2002, slug and/or bail tests were performed at 55 of the 56 "shallow zone" monitoring wells in accordance with the Addendum 06 Work Plan. Slug and bail tests were not performed at monitoring well MW-214 because the well has contained a small volume of water and has periodically been "dry".

- During field activities in January 2002, quality assurance/quality control measures were performed. Duplicate ground-water samples were collected from monitoring wells MW-214A, MW-217, and MW-225 (see Table 8). 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 10. Laboratory reports of the analyses are provided in Attachment B.

*Soil Management and Water Treatment*

- January 3, 2002: A composite soil sample was collected from the roll off box, which contained soil cuttings generated during field activities for the Addendum 03 and 06 Work Plans, and analyzed for TCE. TCE was not detected in the sample. The laboratory report for the roll off box soil sample is provided in Attachment B.

- January 3 - 31, 2002: Water accumulated during well installation, decontamination of equipment, well development, purging, and sampling during the month of January 2002 was treated through a liquid–phase carbon filter treatment system at the ALDOT staging area. A total of 9,897 gallons of water were treated (see Table 11). 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 11. Laboratory reports of the analytical results for samples collected through the month of January are provided in Attachment B.

# TABLES

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

| | Well Identifier (ALDOT Central Complex) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ALDOT MW1 | ALDOT MW2 | ALDOT MW3[2] | ALDOT MW4 | ALDOT MW5 | ALDOT MW6 | ALDOT MW7 | ALDOT MW8 | ALDOT MW9 | |
| Elevation of Measuring Point[1] (ft. AMSL) | 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) | | | | | | | | | |
| 3/7/01 | 194.68 | 194.67 | 194.79 | 194.71 | 194.43 | 194.06 | 194.55 | 194.56 | 194.32 | |
| 4/20/01 | 196.39 | 197.01 | 196.63 | 196.42 | 195.99 | 195.53 | 196.18 | 196.57 | 196.70 | |
| 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 | |
| 7/13/01 | 196.55 | 196.80 | 196.44 | 194.32 | 196.03 | 195.81 | 196.10 | 196.61 | ---[3] | |
| 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 | |
| 12/27/01 | 195.06 | 195.19 | 195.05 | 194.89 | 194.70 | 195.68 | 194.70 | 195.30 | 195.09 | |
| 1/21-22/02 | 194.81 | 195.01 | 194.94 | 194.78 | 194.48 | 195.58 | 194.46 | 195.32 | 194.92 | |

Note:

[1] Feet above mean sea level. Elevations of land surface and measuring points of monitoring wells at ALDOT Complex and piezometeres 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-3 was sampled on 6/26/01 (196.33'), 12/14/01 (195.09'), and 1/11/02 (194.97')

[3] 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; January 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[1] (ft. AMSL) | 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) | | | | | | | | | |
| 3/7/01 | 194.26 | 196.15 | 194.38 | 187.74 | 196.27 | 193.42 | 196.20 | 196.05 | 194.22 | 193.18 |
| 4/20/01 | 197.05 | 197.53 | 196.78 | 191.13 | 197.80 | 196.29 | 197.85 | 197.91 | 195.99 | 196.68 |
| 5/16/01 | 196.81 | 197.44 | 196.75 | 190.34 | 196.62 | 195.64 | 197.21 | 196.81 | 194.69 | 195.93 |
| 6/14/01 | 196.82 | 196.84 | 196.65 | 191.22 | 196.81 | ---[2] | 196.84 | 193.16 | 194.61 | 195.73 |
| 7/13/01 | 196.67 | 197.00 | 196.56 | 191.07 | 197.15 | ---[2] | 197.16 | 196.87 | 194.96 | 195.79 |
| 8/9/01 | 196.56 | 197.43 | 196.35 | 190.83 | | ---[2] | 196.54 | 199.08 | 194.15 | 195.44 |
| 9/7/01 | 196.56 | 196.35 | 196.50 | 190.84 | 196.18 | ---[2] | 196.19 | 195.64 | 193.63 | 195.28 |
| 10/3/01 | 196.17 | 195.70 | 196.15 | 190.39 | 195.59 | ---[2] | 195.58 | 194.95 | 193.06 | 194.97 |
| 10/31/01 | 195.39 | 195.25 | 195.78 | 187.99 | 195.07 | ---[2] | 195.05 | 194.26 | 192.40 | 194.53 |
| 12/03/01* | ---[3] | 191.50 | 195.49 | 188.28 | 194.62 | ---[2] | 194.69 | | 191.81 | 193.91 |
| 12/27/01 | 195.01 | 194.99 | 195.07 | 188.93 | 194.82 | ---[2] | 194.76 | 193.90 | 191.75 | 193.63 |
| 1/21-22/02 | 194.83 | 191.85 | 195.00 | 188.47 | 194.88 | ---[2] | 194.80 | 193.21 | 191.37 | 193.52 |

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

| | Well Identifier (Piezometers) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | PZ11 | PZ12 | PZ13 | PZ14 | PZ15 | PZ16 [4] | | | | |
| Elevation of Measuring Point[1] (ft. AMSL) | 211.76 | 212.26 | 207.95 | 204.54 | 220.37 | 193.44 | | | | |
| Date of Measurement | Ground-Water Elevation (ft. AMSL) | | | | | | | | | |
| 3/7/01 | 188.16 | 196.08 | 196.75 | 196.20 | 180.06 | 188.55 | | | | |
| 4/20/01 | 191.66 | 198.26 | 196.12 | 197.95 | 183.32 | 187.68 | | | | |
| 5/16/01 | 190.85 | 197.03 | 195.42 | 197.37 | 184.08 | 187.15 | | | | |
| 6/14/01 | 190.77 | 197.21 | 195.77 | 197.01 | 183.91 | 184.56 | | | | |
| 7/13/01 | 190.95 | 197.35 | 195.97 | 197.13 | 183.79 | 187.58 | | | | |
| 8/9/01 | 190.45 | 196.68 | 198.52 | 196.56 | 183.66 | 187.24 | | | | |
| 9/7/01 | 190.08 | 196.12 | 198.35 | 196.03 | 183.41 | 187.09 | | | | |
| 10/3/01 | 189.69 | 195.26 | 195.00 | 195.19 | 183.12 | 186.78 | | | | |
| 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 | | | | |
| 12/27/01 | 188.08 | 194.46 | 194.95 | 194.62 | 181.54 | 186.99 | | | | |
| 1/21-22/02 | 188.15 | 194.63 | 194.85 | 189.30 | 181.82 | 187.03 | | | | |

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

| | Well Identifier (Piezometers) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | PD1 | PD2 | PD3 [5] | PD4 [5] | PD-101 [5] | PD-102 [5] | PD-103 | PD-104 [5] | PD-105 [5] | PD-106 |
| Elevation of Measuring Point[1] (ft. AMSL) | 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) | | | | | | | | | |
| 8/9/01 | 195.98 | 195.60 | 192.37 | 194.16 | 193.70 | 195.54 | Dry | 189.85 | 190.51 | 182.96 |
| 8/21/01 | ---[6] | 195.56[7] | 192.42 | 194.17 | 193.61 | 195.70 | 193.59 | 188.81 | 188.05 | 185.10 |
| 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 |

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

| | Well Identifier (Piezometers) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Elevation of Measuring Point[1] (ft. AMSL) | PD-107 [5] | PD-108 [5] | PD-109 | | | | | | | |
| | 205.63 | 205.58 | 204.59 | | | | | | | |
| Date of Measurement | Ground-Water Elevation (ft. AMSL) | | | | | | | | | |
| 8/9/01 | 194.93 | 195.38 | Dry | | | | | | | |
| 8/21/01 | 188.03 | 190.78 | 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 | | | | | | | |

Note:

[1] Feet above mean sea level. Elevations of land surface and measuring points of monitoring wells at ALDOT Complex and piezometeres 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] PZ-16 was measured on 3/23/01 (188.65'), 4/5/01 (188.58'), 5/4/01 (187.34'), 6/1/01 (187.10'), 6/26/01 (187.45'), 7/26/01 (187.27'), 8/24/01 (187.17'), and 9/20/01 (186.95').

[5] PD3, PD4, PD-101, PD-102, PD-104, PD-105, PD-107, and PD-108 water levels were also measured on 8-15-01.

[6] Mini troll data logger in piezometer.

[7] Measured during coffer dam study.

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

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

| | Well Identifier (Alfa Monitoring Wells Vista View Development) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Alfa MW-1 [2] | Alfa MW-2 | Alfa MW-3 [3] | Alfa MW-4 | Alfa MW-5 [4] | | | | | |
| Elevation of Measuring Point[1] (ft. AMSL) | 213.53 | 206.01 | 209.67 | 213.18 | 203.42 | | | | | |
| Date of Measurement | Ground-Water Elevation (ft. AMSL) | | | | | | | | | |
| 4/20/01 | 196.08 | 186.53 | 197.47 | 195.66 | 187.81 | | | | | |
| 5/16/01 | 195.78 | 194.62 | 196.97 | 195.59 | 187.10 | | | | | |
| 6/14/01 [5] | --- | --- | --- | --- | --- | | | | | |
| 7/13/01 | 195.86 | 195.16 | 196.96 | 195.67 | 187.49 | | | | | |
| 8/9/01 | 195.43 | | 196.52 | 195.44 | 184.77 | | | | | |
| 8/24/01 | | | 194.97 | | 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 | | | | | |
| 10/31/01 | 195.27 | 196.37 | 194.41 | 194.88 | 186.84 | | | | | |
| 12/3/01* | 194.43 | 193.24 | 195.04 | 194.47 | 186.51 | | | | | |
| 12/27/01 | 194.38 | 193.61 | 194.99 | 194.29 | 186.98 | | | | | |
| 1/22/02 | 194.38 | 191.40 | 197.83 | 194.18 | 187.24 | | | | | |

Note:

[1] Feet above mean sea level. Elevations of land surface and measuring points of monitoring wells at ALDOT Complex and piezometeres 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] Alfa MW-1 was sampled on 8/21/01 (195.43').

[3] Alfa MW-3 was sampled on 9/4/01 (198.27').

[4] Alfa MW-5 was sampled on 5/4/01 (187.36'), 6/1/01 (187.02'), 6/26/01 (187.36'), 7/26/01 (187.19'), 10/15/01 (186.72'), 12/14/01 (185.92'), and 1/11/02 (186.87').

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

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

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**Table 1d.** Ground-water elevations; January 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[1] (ft. AMSL) | 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) | | | | | | | | | |
| 8/21/01 | 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 | 193.56 | 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 |

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.

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

| | **Well Identifier (Monitoring Wells 100-, 200-, and 300- Series "Shallow Zone" Monitoring Wells)** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MW 104 | MW 204 | MW304 | MW 105 | MW 205 | MW 106 | MW 206 | MW 107 | MW 207 | MW 108 |
| Elevation of Measuring Point[1] (ft. AMSL) | 217.68 | 217.91 | 217.64 | 216.63 | 217.04 | 222.24 | 222.17 | 222.33 | 222.42 | 212.59 |
| Date of Measurement | Ground-Water Elevation (ft. AMSL) | | | | | | | | | |
| 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 | 195.09 |
| 1/21-22/02 | 194.47 | 194.51 | 194.23 | 195.03 | 195.04 | 194.89 | 194.95 | 194.98 | 195.00 | 195.03 |

*Continued on next page*

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

| | **Well Identifier (Monitoring Wells 100-, 200-, and 300- Series "Shallow Zone" Monitoring Wells)** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MW 208 | MW 109 | MW 209 | MW 210 | MW 111 | MW 211 | MW 112 | MW 212 | MW 113 | MW 213 |
| Elevation of Measuring Point[1] (ft. AMSL) | 212.76 | 220.91 | 220.31 | 188.74 | 211.52 | 211.75 | 220.34 | 220.40 | 207.37 | 207.41 |
| Date of Measurement | Ground-Water Elevation (ft. AMSL) | | | | | | | | | |
| 12/27-28/01 | 195.11 | 195.26 | 195.21 | 185.76 | 173.52 | 173.30 | 191.61 | 191.65 | 194.97 | 194.96 |
| 1/21-22/02 | 195.06 | 195.05 | 195.10 | 185.59 | 173.17 | 172.95 | 191.63 | 191.55 | 195.17 | 195.07 |

*Continued on next page*

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

| | **Well Identifier (Monitoring Wells 100-, 200-, and 300- Series "Shallow Zone" Monitoring Wells)** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MW 214 | MW 214A | MW 115 | MW 215 | MW 116 | MW 216 | MW 117 | MW 217 | MW 118 | MW 218 |
| Elevation of Measuring Point[1] (ft. AMSL) | 174.73 | 174.71 | 212.06 | 211.81 | 194.02 | 194.04 | 218.90 | 218.86 | 203.18 | 203.23 |
| Date of Measurement | Ground-Water Elevation (ft. AMSL) | | | | | | | | | |
| 12/27-28/01 | 167.75 | 166.11 | 194.68 | 194.17 | 185.58 | 185.47 | 182.57 | 182.06 | 191.44 | 191.34 |
| 1/21-22/02 | 169.93 | 166.69 | 194.74 | 194.21 | 185.69 | 185.53 | 181.73 | 181.56 | 191.62 | 191.53 |

*Continued on next page*

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

| | **Well Identifier (Monitoring Wells 100-, 200-, and 300- Series "Shallow Zone" Monitoring Wells)** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MW 219 | MW 220 | MW 221 | MW 122 | MW 222 | MW 123 | MW 223 | MW 124 | MW 224 | |
| Elevation of Measuring Point[1] (ft. AMSL) | 202.88 | 219.25 | 183.60 | 214.65 | 214.47 | 216.44 | 216.34 | 219.11 | 219.25 | |
| Date of Measurement | Ground-Water Elevation (ft. AMSL) | | | | | | | | | |
| 12/28/01 | 193.48 | 193.28 | 166.78 | 194.15 | 194.06 | 194.28 | 194.20 | 189.71 | 190.08 | |
| 1/22/02 | 194.55 | 193.22 | 166.68 | 194.04 | 193.77 | 194.02 | 193.97 | 190.11 | 190.13 | |

*Continued on next page*

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

| | **Well Identifier (Monitoring Wells 100-, 200-, and 300- Series "Shallow Zone" Monitoring Wells)** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MW 125 | MW 225 | MW 226 | MW 227 | MW 128 | MW 228 | MW 129 | MW 229 | MW 130 | MW 230 |
| Elevation of Measuring Point[1] (ft. AMSL) | 206.43 | 206.32 | 203.61 | 205.16 | 212.11 | 212.23 | 214.62 | 214.32 | 215.71 | 215.68 |
| Date of Measurement | Ground-Water Elevation (ft. AMSL) | | | | | | | | | |
| 12/28/01 | 188.71 | 188.78 | 188.66 | 194.39 | 191.41 | 191.42 | 194.58 | 194.22 | 194.37 | 194.38 |
| 1/22/02 | 188.81 | 188.83 | 188.79 | 194.44 | 191.31 | 191.26 | 194.56 | 194.55 | 194.29 | 194.31 |

*Continued on next page*

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

| | **Well Identifier (Monitoring Wells 100-, 200-, and 300- Series "Shallow Zone" Monitoring Wells)** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MW 131 | MW 231 | MW 132 | MW 232 | MW 133 | MW 233 | MW 134 | MW 234 | | |
| Elevation of Measuring Point[1] (ft. AMSL) | 205.92 | 205.92 | 215.20 | 215.25 | 205.04 | 204.90 | 209.33 | 209.51 | | |
| Date of Measurement | Ground-Water Elevation (ft. AMSL) | | | | | | | | | |
| 12/27-28/01 | 194.87 | 194.89 | 193.00 | 192.96 | 194.42 | 194.49 | 194.07 | 194.06 | | |
| 1/21-22/02 | 195.01 | 195.04 | 192.75 | 192.66 | 194.59 | 194.43 | 193.88 | 194.01 | | |

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; January 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 | ---- | ---- | ---- |

*Continued on next page*

**Table 2.** Results of analyses[1] of surface-water samples; January 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 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | 9.8 | 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 |

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**Table 2.** Results of analyses[1] of surface-water samples; January 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 |
| cis,1,2-Dichloroethene | <1.0 | ---- | 1.1J[6] | 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 |
| 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 |
| 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 |
| **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 |

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

**Table 3.** Preliminary results of Volatile Organic Compounds detected in soil samples from probeholes; January 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

| Boring ID | Sample ID[1] | Depth of Sample (ft. BLS[2]) | Sample Date | Trichloroethylene | 1, 1 Dichloroethene | Tetrachloroethylene | 1, 1 Dichloroethane | cis-1,2-Dichloroethene | Chloroform | 1, 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)] | | | | | | | | | | | | |
| Loc 01 | ALDOT.C06[1] | 15-16 | 12/03/2001 | ND[3] | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 02 | ALDOT.C16 | 12.5 | 12/04/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 03 | ALDOT.C31 | 9 | 12/05/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 04 | ALDOT.C48 | 9 | 12/07/2001 | ND | ND | ND | ND | ND | 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 |
| Loc 05 | ALDOT.C66 | 9 | 12/10/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 06 | ALDOT.C70 | 27.5 | 12/10/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 07 | ALDOT.C86 | 9 | 12/11/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 08 | ALDOT.C87 | 2 | 12/11/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 08 | ALDOT.C88 | 15 | 12/11/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 08 | ALDOT.C92 | 23.5 | 12/11/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 09 | ALDOTB.C18 | 1.5 | 12/12/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 09 | ALDOTB.C22 | 9 | 12/12/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 09 | ALDOTB.C23 | 26 | 12/12/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 10 | ALDOT.C40 | 2 | 12/06/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 10 | ALDOT.C41 | 9 | 12/06/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 10 | ALDOT.C42 | 24 | 12/06/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 11 | ALDOTB.C39 | 1.5 | 12/12/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 11 | ALDOTB.C40 | 8 | 12/12/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 11 | ALDOTB.C41 | 25.5 | 12/12/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 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 |
| Loc 11 dup | Confirmation | 1-2 | 12/12/2001 | 6.1 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 12 | ALDOTB.C61 | 1.5 | 12/13/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 12 | ALDOTB.C64 | 9 | 12/13/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 12 | ALDOTB.C65 | 26 | 12/13/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 12 | ALDOTD.C74 | 1.5 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 12 | ALDOTD.C75 | 9 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 12 | ALDOTD.C77 | 26 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 12 | Confirmation | 1.5 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 12 | Confirmation | 9 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 12 | Confirmation | 26 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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**Table 3.** Preliminary results of Volatile Organic Compounds detected in soil samples from probeholes; January 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

| Boring ID | Sample ID[1] | Depth of Sample (ft. BLS[2]) | Sample Date | Trichloroethylene | 1, 1 Dichloroethene | Tetrachloroethylene | 1, 1 Dichloroethane | 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)] | | | | | | | | | | | | |
| Loc 13 | ALDOTB.C81 | 1.5 | 12/14/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 13 | ALDOTB.C83 | 20.5 | 12/14/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 13 | ALDOTB.C84 | 26 | 12/14/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 13 | ALDOTD.C84 | 1.5 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 13 | ALDOTD.C86 | 20.5 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 13 | Confirmation | 1.5 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 13 | Confirmation | 20.5 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 14 | ALDOTC.C05 | 1.5 | 12/17/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 14 | ALDOTC.C06 | 9 | 12/17/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 14 | ALDOTC.C07 | 24 | 12/17/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 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 |
| Loc 15 | ALDOTC.C44 | 16 | 12/19/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 15 | Confirmation | 15-16 | 12/19/2001 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 15 | ALDOTD.C39 | 16 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 15 | Confirmation | 16 | 01/09/2002 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Loc 16 | ALDOTC.C15 | 9 | 12/17/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 16 | ALDOTC.C16 | 20 | 12/17/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 17 | ALDOTC.C25 | 9 | 12/18/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 18 | ALDOTC.C42 | 19.5 | 12/19/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 19 | ALDOTC.C53 | 3 | 12/19/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 20 | ALDOTC.C65 | 9 | 12/20/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 21 | ALDOTD.C05 | 9 | 01/03/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 22 | ALDOTD.C33 | 9 | 01/07/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 23 | ALDOTD.C79 | 9 | 01/09/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 24 | ALDOTE.C13 | 10 | 01/11/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 25 | ALDOTE.C22 | 9 | 01/14/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 26 | ALDOTD.C17 | 1.5 | 01/04/2002 | ND | 20J[4] | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 26 | ALDOTD.C18 | 9 | 01/04/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 26 | ALDOTD.C19 | 22.5 | 01/04/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 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 |
| Loc 27 | ALDOTD.C55 | 3 | 01/08/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

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**Table 3.** Preliminary results of Volatile Organic Compounds detected in soil samples from probeholes; January 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

[Concentrations are in micrograms per kilogram (µg/kg)]

| Boring ID | Sample ID[1] | Depth of Sample (ft. BLS[2]) | Sample Date | Trichloroethylene | 1, 1 Dichloroethene | Tetrachloroethylene | 1, 1 Dichloroethane | cis-1,2-Dichloroethene | Chloroform | 1, 1, 1-Trichloroethane | Carbon Tetrachloride | Trans-1,2-Dichloroethene | Benzene | Toluene | Ethyl Benzene | m,p,o-Xylene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Loc 28 | ALDOTD.C51 | 9 | 01/08/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 29 | ALDOTE.C35 | 9 | 01/15/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 30 | ALDOTE.C33 | 9 | 01/15/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 31 | ALDOTF.C37 | 15.5 | 01/18/2002 | ND | ND | NA[5] | NA | ND | NA | NA | ND | ND | 3,591 | 5,925 | 830J | 1,170J |
| Loc 32 | ALDOTF.C53 | 18.5 | 01/21/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 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 |
| Loc 33 | ALDOTF.C76 | 3.5 | 01/22/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 34 | ALDOTG.C06 | 9 | 01/23/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 35 | ALDOTG.C62 | 9 | 01/25/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 36 | ALDOTG.C32 | 9 | 01/24/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 36 | Confirmation | 9 | 01/24/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Note:

[1] 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.

[2] ft BLS - Feet below land surface

[3] ND - Not detected

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

[5] NA - Not analyzed

- - - Confirmation samples collected December 2001. Results under Quality Assurance/Quality Control review.

**Table 4.** Preliminary results of volatile organic compounds detected in ground-water samples from probeholes; January 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

| Boring ID | Sample ID[1] | Depth of Sample (ft. BLS[2]) | Sample Date | Trichloroethylene | 1, 1 Dichloroethene | Tetrachloroethylene | 1, 1 Dichloroethane | cis-1,2-Dichloroethene | Chloroform | 1, 1, 1-Trichloroethane | Carbon Tetrachloride | 1, 2 Dichloroethane | 1, 1, 2 Trichloroethane | Methane[3] | Ethane[3] | Ethene[3] | Benzene | M,P,O-Xylenes | Chloromethane |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | [Concentrations are in micrograms per liter (µg/l)] | | | | | | | | | | | | | | | |
| Loc 01 | ALDOT.C08 | 24-28 | 12/03/2001 | 23 | ND[4] | ND | ND | ND | ND | ND | ND | NA[5] | NA | NA | NA | NA | ND | ND | ND |
| Loc 01 | ALDOT.C09 | 46-50 | 12/03/2001 | 280 | 466J[6] | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 01 | Confirmation | 46-50 | 12/03/2001 | 347 | 233 | ND | 1.7J | ND | 4.0J | ND | 62.3 | 1.1J | 1.3J | ND | ND | ND | ND | ND | ND |
| Loc 02 | ALDOT.C18 | 24-27 | 12/04/2001 | 70 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 02 | ALDOT.C20 | 29-31 | 12/04/2001 | 399 | 110J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 02 | ALDOT.C22 | 51-54 | 12/04/2001 | 13,000J | 1,718J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 02 dup[7] | ALDOT.C23 | 51-54 | 12/04/2001 | 13,000J | 1,528J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 2R | ALDOTE.C82 | 24-27 | 01/16/2002 | 480 | 44 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 2R | ALDOTE.C80 | 27-29 | 01/16/2002 | 724 | 59 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 2R | ALDOTE.C78 | 29-31 | 01/16/2002 | 542 | 20 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 2R | ALDOTE.C75 | 31-34 | 01/16/2002 | 1,389 | 49 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 2R | ALDOTE.C72 | 34-38 | 01/16/2002 | 5,213 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 2R dup | ALDOTE.C73 | 34-38 | 01/16/2002 | 4,208 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 2R | ALDOTE.C66 | 38-42 | 01/16/2002 | 16,000J | 591 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 2R | ALDOTE.C63 | 42-46 | 01/16/2002 | 23,000J | 1,700J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 2R | ALDOTE.C61 | 46-50 | 01/16/2002 | 19,000J | 2,600J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 2R | ALDOTE.C59 | 50-54 | 01/16/2002 | 17,000J | 2,700J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 03 | ALDOT.C32 | 24-28 | 12/05/2001 | 382 | 9 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 03 | ALDOT.C33 | 44.5-48.5 | 12/05/2001 | 457 | 333J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 03 | Confirmation | 44.5-48.5 | 12/05/2001 | 512 | 96.4 | 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 |
| Loc 04 | ALDOT.C50 | 18-21 | 12/07/2001 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 04 | ALDOT.C52 | 25-28 | 12/07/2001 | 236 | 7 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 04 | ALDOT.C54 | 39-43 | 12/07/2001 | 1,058 | 450J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 04 dup | ALDOT.C55 | 39-43 | 12/07/2001 | 1,472 | 513J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 04 | Confirmation | 39-43 | 12/07/2001 | 2,050 | 294 | ND | 2.7J | ND | 7.6J | ND | 79.2 | 1.1J | 3.6J | ND | ND | ND | ND | ND | ND |
| Loc 05 | ALDOT.C69 | 21-24 | 12/10/2001 | 7 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 05 | ALDOT.C74 | 26-28 | 12/10/2001 | 132 | 46 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 05 | ALDOT.C80 | 38-42 | 12/10/2001 | 427 | 526J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 06 | ALDOT.C71 | 28-32 | 12/10/2001 | 688 | 54 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 06 | ALDOT.C77 | 36.5-38.5 | 12/10/2001 | 12,000J | 251J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 06 | ALDOT.C79 | 52-56 | 12/10/2001 | 12,000J | 526J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 06 | Confirmation | 52-56 | 12/10/2001 | 12,200 | 474J | ND | ND | ND | ND | ND | ND | ND | ND | 4.6 | ND | ND | ND | ND | ND |
| Loc 07 | ALDOT.C89 | 31-34 | 12/11/2001 | 283 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 07 dup | ALDOT.C90 | 31-34 | 12/11/2001 | 487 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 07 | ALDOT.C97 | 44-48 | 12/11/2001 | 13,000J | 2,245J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 07 | ALDOTB.C06 | 56-60 | 12/11/2001 | 7 | 74 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 08 | ALDOT.C93 | 24.5-28.5 | 12/11/2001 | 256 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 08 | ALDOT.C99 | 34-38 | 12/11/2001 | 4,103 | 118J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |

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**Table 4.** Preliminary results of volatile organic compounds detected in ground-water samples from probeholes; January 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

| Boring ID | Sample ID[1] | Depth of Sample (ft. BLS[2]) | Sample Date | Trichloroethylene | 1, 1 Dichloroethene | Tetrachloroethylene | 1, 1 Dichloroethane | cis-1,2-Dichloroethene | Chloroform | 1, 1, 1-Trichloroethane | Carbon Tetrachloride | 1, 2 Dichloroethane | 1, 1, 2 Trichloroethane | Methane[3] | Ethane[3] | Ethene[3] | Benzene | M,P,O-Xylenes | Chloromethane |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | [Concentrations are in micrograms per liter (µg/l)] | | | | | | | | | | | | | | | |
| Loc 08 | ALDOTB.C04 | 46-50 | 12/11/2001 | 3,727 | 473J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 08 | ALDOTB.C08 | 54-58 | 12/11/2001 | 3 | 17J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 09 | ALDOTB.C28 | 26-30 | 12/12/2001 | 201 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 09 | ALDOTB.C34 | 34-37 | 12/12/2001 | 9,710 | 436 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 09 dup | ALDOTB.C35 | 34-37 | 12/12/2001 | 12,700J | 245 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 09 | ALDOTB.C46 | 44-48 | 12/12/2001 | 11,000J | 362 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 09 | ALDOTB.C50 | 58.5-62.5 | 12/12/2001 | 8 | 5 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 9R | ALDOTF.C21 | 26-30 | 01/17/2002 | 352 | 4 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 9R | ALDOTF.C19 | 30-34 | 01/17/2002 | 2,935 | 17 | ND | ND | 4 | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 9R | ALDOTF.C17 | 34-38 | 01/17/2002 | 12,000J | 153 | ND | ND | 4 | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 9R | ALDOTF.C15 | 38-42 | 01/17/2002 | 11,000J | 106 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 9R | ALDOTF.C13 | 42-46 | 01/17/2002 | 17,000J | 392 | ND | ND | ND | ND | 7 | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 9R | ALDOTF.C11 | 46-50 | 01/17/2002 | 16,000J | 340 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 9R | ALDOTF.C08 | 50-54 | 01/17/2002 | 282 | 20 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 9R | ALDOTF.C05 | 54-58 | 01/17/2002 | 9,328 | 83J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 9R | Confirmation | 54-58 | 01/17/2002 | 4,150 | 69.2J | ND | ND | ND | 14.4J | ND | ND | ND | ND | 14 | ND | 3.2 | ND | ND | ND |
| Loc 9R | ALDOTF.C03 | 58-62 | 01/17/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 10 | ALDOT.C43 | 25-28 | 12/06/2001 | 150 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 10 | ALDOTB.C20 | 40-43 | 12/12/2001 | 15,000J | 1,300J | 58 | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| 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 |
| Loc 10 | ALDOTB.C31 | 57-61 | 12/12/2001 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 11 | ALDOTB.C42 | 26.5-30.5 | 12/12/2001 | 283 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 11 | ALDOTB.C48 | 34-38 | 12/12/2001 | 2,992 | 157J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 11 | ALDOTB.C52 | 44-48 | 12/12/2001 | 1560 | 3,700J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 11 | ALDOTB.C71 | 61-65 | 12/13/2001 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 12 | ALDOTB.C67 | 27-31 | 12/13/2001 | 1,299 | 13 | ND | ND | 7 | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 12 dup | ALDOTB.C68 | 27-31 | 12/13/2001 | 1,325 | 14 | ND | ND | 10 | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 12 | ALDOTB.C70 | 36-40 | 12/13/2001 | 434 | 146J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 12 | Confirmation | 36-40 | 12/13/2001 | 429 | 4.2J | ND | ND | ND | ND | ND | ND | ND | ND | 2.9 | ND | NA | ND | ND | ND |
| Loc 12 dup | Confirmation | 36-40 | 12/13/2001 | 410 | 3.9J | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | ND | ND | ND |
| Loc 12 | ALDOTB.C87 | 51-55 | 12/14/2001 | ND | 3 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 13 | ALDOTB.C86 | 27-31 | 12/14/2001 | 5,848 | 17J | ND | ND | 10J | ND | 22 | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 13 | ALDOTB.C88 | 36-39 | 12/14/2001 | 41 | 10 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 13 | ALDOTB.C90 | 46-50 | 12/14/2001 | 7 | 20J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 13 | ALDOTB.C93 | 52-56 | 12/14/2001 | 9 | 1 | ND | ND | ND | ND | 6 | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 14 | ALDOTC.C09 | 25-28 | 12/17/2001 | 6,226 | 17J | ND | ND | 6 | ND | 21J | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 14 dup | ALDOTC.C11 | 25-28 | 12/17/2001 | 5,773 | 20J | ND | ND | 7 | ND | 21J | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 14 | ALDOTC.C12 | 42-46 | 12/17/2001 | 8 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |

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**Table 4.** Preliminary results of volatile organic compounds detected in ground-water samples from probeholes; January 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

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

| Boring ID | Sample ID[1] | Depth of Sample (ft. BLS[2]) | Sample Date | Trichloroethylene | 1, 1 Dichloroethene | Tetrachloroethylene | 1, 1 Dichloroethane | cis-1,2-Dichloroethene | Chloroform | 1, 1, 1-Trichloroethane | Carbon Tetrachloride | 1, 2 Dichloroethane | 1, 1, 2 Trichloroethane | Methane[3] | Ethane[3] | Ethene[3] | Benzene | M,P,O-Xylenes | Chloromethane |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Loc 14 | ALDOTC.C21 | 52-56 | 12/17/2001 | ND | 27J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 14 | ALDOTC.C79 | 25-28 | 12/21/2001 | 2,789 | 6 | ND | ND | 4 | ND | 4 | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 14 dup | ALDOTC.C81 | 25-28 | 12/21/2001 | 2,878 | 10 | ND | ND | 6 | ND | 7 | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 14 | Confirmation | 25-28 | 12/21/2001 | 2,290 | 7.9J | ND | ND | 7.6J | ND | 16.5J | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 15 | ALDOTC.C48 | 28-32 | 12/19/2001 | 3,398 | ND | ND | ND | 25J | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 15 Split | TTL Results | 28-32 | 12/19/2001 | 2,260 | ND | ND | ND | 32.6 J | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| | ADEM Results | 28-32 | 12/19/2001 | 3,115 | ND | ND | ND | 52.0 | ND | 8.8 | ND | ND | ND | NA | NA | NA | ND | ND | 6.4 |
| Loc 15 | ALDOTC.C52 | 44-48 | 12/19/2001 | 116 | 118J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 15 | ALDOTC.C59 | 53.5-57.5 | 12/19/2001 | ND | 6 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 15 dup | ALDOTC.C60 | 53.5-57.5 | 12/19/2001 | ND | 8 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 16 | ALDOTC.C14 | 25.5-29.5 | 12/17/2001 | 193 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 16 | ALDOTC.C29 | 47-51 | 12/18/2001 | ND | 26J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 16 | ALDOTC.C31 | 53-57 | 12/18/2001 | ND | 12J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 16 dup | ALDOTC.C32 | 53-57 | 12/18/2001 | ND | 8 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 16 | ALDOTC.C36 | 59-63 | 12/18/2001 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 17 | ALDOTC.C27 | 27-31 | 12/18/2001 | 146 | ND | ND | ND | 24 | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 17 | ALDOTC.C30 | 38-42 | 12/18/2001 | 176 | ND | ND | ND | 4 | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 17 | ALDOTC.C33 | 56.5-60.5 | 12/18/2001 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 17 | Confirmation | 56.5-60.5 | 12/18/2001 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 2.6 | ND | ND | ND | ND | ND |
| Loc 18 | ALDOTC.C46 | 28-32 | 12/19/2001 | 117 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 18 | ALDOTC.C50 | 48-52 | 12/19/2001 | 759 | 5 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 18 | Confirmation | 48-52 | 12/19/2001 | 902 | 5.1J | ND | 1.6J | 3.1J | 2.3J | ND | ND | ND | ND | 6.7 | ND | ND | ND | ND | ND |
| Loc 18 | ALDOTC.C73 | 63-67 | 12/20/2001 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 19 | ALDOTC.C57 | 28-32 | 12/19/2001 | 462 | 8 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 19 | ALDOTC.C85 | 52-56 | 12/21/2001 | 361 | 20J | ND | ND | 9 | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 19 | ALDOTC.C86 | 66-70 | 12/21/2001 | 6 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 20 | ALDOTC.C66 | 22.5-26.5 | 12/20/2001 | 13 | 12J | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 20 | ALDOTC.C67 | 32-36 | 12/20/2001 | 21 | 9 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 20 | ALDOTC.C69 | 46-50 | 12/20/2001 | 216 | 24 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 20 | ALDOTC.C72 | 54-58 | 12/20/2001 | 22 | 6 | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | ND | ND | ND |
| Loc 21 | ALDOTD.C00 | 26-30 | 01/03/2002 | 150J | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 21 | ALDOTD.C10 | 44-48 | 01/03/2002 | 9,527 | 6,000J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 21 | ALDOTD.C36 | 44-48 | 01/07/2002 | 9,654 | 1,000J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 21 | Confirmation | 44-48 | 01/07/2002 | 5,230 | 484 | ND | ND | ND | 11.0J | ND | 133J | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 21 | ALDOTD.C38 | 56-60 | 01/07/2002 | 4,925 | 1,400J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 22 | ALDOTD.C34 | 28-32 | 01/07/2002 | 31 | 17J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 22 | ALDOTD.C40 | 33-36 | 01/07/2002 | 535 | 21J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 22 | ALDOTD.C45 | 56-60 | 01/07/2002 | 1,400J | 400J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |

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**Table 4.** Preliminary results of volatile organic compounds detected in ground-water samples from probeholes; January 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

| Boring ID | Sample ID[1] | Depth of Sample (ft. BLS[2]) | Sample Date | Trichloroethylene | 1, 1 Dichloroethene | Tetrachloroethylene | 1, 1 Dichloroethane | cis-1,2-Dichloroethene | Chloroform | 1, 1, 1-Trichloroethane | Carbon Tetrachloride | 1, 2 Dichloroethane | 1, 1, 2 Trichloroethane | Methane[3] | Ethane[3] | Ethene[3] | Benzene | M,P,O-Xylenes | Chloromethane |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | [Concentrations are in micrograms per liter (µg/l)] | | | | | | | | | | | | | | | |
| Loc 23 | ALDOTD.C81 | 23-27 | 01/09/2002 | 1,003 | 5 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 23 | ALDOTD.C88 | 37-41 | 01/09/2002 | 54 | 3 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 23 | ALDOTE.C05 | 50-54 | 01/10/2002 | 33 | 7 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 23 | ALDOTE.C06 | 60-64 | 01/10/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 24 | ALDOTE.C12 | 26.5-30.5 | 01/11/2002 | 1,022 | 4 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 24 | ALDOTE.C14 | 42-46 | 01/11/2002 | 20 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 24 | Confirmation | 42-46 | 01/11/2002 | 31 | 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 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 25 | ALDOTE.C23 | 28-32 | 01/14/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 25 | ALDOTE.C24 | 39.5-43.5 | 01/14/2002 | 8 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 25 dup | ALDOTE.C25 | 39.5-43.5 | 01/14/2002 | 8 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 25 | ALDOTE.C76 | 58-62 | 01/16/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 26 | ALDOTD.C20 | 23.5-27.5 | 01/04/2002 | 50 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 26 dup | ALDOTD.C21 | 23.5-27.5 | 01/04/2002 | 49 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 26 | ALDOTD.C22 | 34-38 | 01/04/2002 | 152J | 17J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 26 | ALDOTD.C27 | 45-49 | 01/04/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 27 | ALDOTD.C57 | 27.5-31.5 | 01/08/2002 | 210 | 100J | ND | ND | 8 | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 27 | ALDOTD.C60 | 35-39 | 01/08/2002 | 248 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 27 | ALDOTD.C69 | 60-64 | 01/08/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 28 | ALDOTD.C53 | 24-28 | 01/08/2002 | 317 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 28 dup | ALDOTD.C54 | 24-28 | 01/08/2002 | 272 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 28 | Confirmation | 28-32 | 01/08/2002 | 309 | 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 | 6,234 | 66J | ND | ND | 7 | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 28 | ALDOTD.C68 | 51-55 | 01/08/2002 | 578 | 70J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 29 | ALDOTE.C37 | 25.5-29.5 | 01/15/2002 | 231 | 3 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 29 | ALDOTE.C42 | 38.5-42.5 | 01/15/2002 | 220 | 151J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 29 | ALDOTE.C52 | 56.5-60.5 | 01/15/2002 | ND | 70J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 30 | ALDOTE.C34 | 18-22 | 01/15/2002 | 90 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 30 | ALDOTE.C40 | 24-25.5 | 01/15/2002 | 273 | 11J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 30 | Confirmation | 24-25.5 | 01/15/2002 | 336 | 10.6J | 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 | 3,520 | 300J | ND | ND | ND | ND | 7 | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 30 | ALDOTE.C50 | 40-44 | 01/15/2002 | 391 | 400J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 31 | ALDOTF.C33 | 22-26 | 01/18/2002 | 537 | 40J | ND | NA | 90 | NA | ND | ND | ND | NA | NA | NA | NA | 21 | ND | ND |
| Loc 31 | Confirmation | 22-26 | 01/18/2002 | 883 | 1.9J | ND | ND | 43 | 3.4J | ND | ND | ND | 2.2J | ND | ND | ND | 16.9J | 28.8J[8] | ND |
| Loc 31 | ALDOTF.C35 | 26-30 | 01/18/2002 | 500 | 5 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 31 | ALDOTF.C41 | 30-34 | 01/18/2002 | 222 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 31 | ALDOTF.C42 | 34-38 | 01/18/2002 | 14 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 31 | ALDOTF.C43 | 38-42 | 01/18/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |

*Continued on next page*

**Table 4.** Preliminary results of volatile organic compounds detected in ground-water samples from probeholes; January 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

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

| Boring ID | Sample ID[1] | Depth of Sample (ft. BLS[2]) | Sample Date | Trichloroethylene | 1, 1 Dichloroethene | Tetrachloroethylene | 1, 1 Dichloroethane | cis-1,2-Dichloroethene | Chloroform | 1, 1, 1-Trichloroethane | Carbon Tetrachloride | 1, 2 Dichloroethane | 1, 1, 2 Trichloroethane | Methane[3] | Ethane[3] | Ethene[3] | Benzene | M,P,O-Xylenes | Chloromethane |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Loc 31 | ALDOTF.C44 | 42-46 | 01/18/2002 | 9 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| 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 |
| Loc 31 | ALDOTF.C48 | 46-49.5 | 01/18/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 | ALDOTF.C55 | 26-30 | 01/21/2002 | 194 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 dup | ALDOTF.C56 | 26-30 | 01/21/2002 | 247 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 | ALDOTF.C58 | 30-34 | 01/21/2002 | 590 | 4 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 | ALDOTF.C60 | 34-38 | 01/21/2002 | 823 | 17J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 | ALDOTF.C62 | 38-42 | 01/21/2002 | 582 | 12J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 | ALDOTF.C63 | 42-46 | 01/21/2002 | 45 | 3 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 | ALDOTF.C64 | 46-50 | 01/21/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 | ALDOTF.C67 | 50-54 | 01/21/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 | ALDOTF.C68 | 54-58 | 01/21/2002 | 7 | 3 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 | ALDOTF.C69 | 58-62 | 01/21/2002 | 22 | 3 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 32 | ALDOTF.C72 | 62-66 | 01/21/2002 | 11 | 2 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 33 | ALDOTF.C77 | 18-22 | 01/22/2002 | 6 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 33 | ALDOTF.C78 | 22-26 | 01/22/2002 | 51 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 33 | ALDOTF.C80 | 26-30 | 01/22/2002 | 282 | 12 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 33 | ALDOTF.C83 | 30-34 | 01/22/2002 | 801 | 129J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 33 | ALDOTF.C85 | 34-38 | 01/22/2002 | 130 | 74J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 33 | ALDOTF.C86 | 38-42 | 01/22/2002 | 13 | 14J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 33 dup | ALDOTF.C87 | 38-42 | 01/22/2002 | 9 | 12J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 33 | ALDOTF.C88 | 42-46 | 01/22/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 33 | Confirmation | 42-46 | 01/22/2002 | 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 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 34 | ALDOTG.C08 | 16-20 | 01/23/2002 | 11 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 34 | ALDOTG.C09 | 20-24 | 01/23/2002 | 278J | 42J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 34 | Confirmation | 20-24 | 01/23/2002 | 468 | 34 | ND | ND | ND | 1.4J | ND | 7.9J | ND | ND | 2.3 | ND | ND | ND | ND | ND |
| Loc 34 | ALDOTG.C13 | 24-28 | 01/23/2002 | 314 | 45J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 34 | ALDOTG.C16 | 28-32 | 01/23/2002 | 356 | 49J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 34 | ALDOTG.C20 | 32-36 | 01/23/2002 | 413 | 74J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 34 dup | ALDOTG.C21 | 32-36 | 01/23/2002 | 431 | 71J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 34 | ALDOTG.C22 | 36-40 | 01/23/2002 | 56 | 16J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 34 | ALDOTG.C23 | 40-44 | 01/23/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 34 | ALDOTG.C26 | 44-48 | 01/23/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 35 | ALDOTG.C63 | 16-20 | 01/25/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 35 | ALDOTG.C64 | 20-24 | 01/25/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 35 | ALDOTG.C66 | 24-28 | 01/25/2002 | 50 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 35 | Confirmation | 24-28 | 01/25/2002 | 85.8 | 2.9J | ND | ND | ND | 6.6J | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 35 | ALDOTG.C67 | 28-32 | 01/25/2002 | 128 | 8 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |

*Continued on next page*

**Table 4.** Preliminary results of volatile organic compounds detected in ground-water samples from probeholes; January 2002 Status Report; Coliseum Boulevard Plume Investigation; (Addendum 03 Work Plan); Montgomery, Alabama.

| Boring ID | Sample ID[1] | Depth of Sample (ft. BLS[2]) | Sample Date | Trichloroethylene | 1, 1 Dichloroethene | Tetrachloroethylene | 1, 1 Dichloroethane | cis-1,2-Dichloroethene | Chloroform | 1, 1, 1-Trichloroethane | Carbon Tetrachloride | 1, 2 Dichloroethane | 1, 1, 2 Trichloroethane | Methane[3] | Ethane[3] | Ethene[3] | Benzene | M,P,O-Xylenes | Chloromethane |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | [Concentrations are in micrograms per liter (µg/l)] | | | | | | | | | | | | | | | |
| Loc 35 | ALDOTG.C69 | 32-36 | 01/25/2002 | 240 | 13J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 35 | ALDOTG.C71 | 36-40 | 01/25/2002 | 338 | 21 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 35 | ALDOTG.C73 | 40-44 | 01/25/2002 | 384 | 37 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 35 | ALDOTG.C74 | 44-48 | 01/25/2002 | 408 | 56J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 | ALDOTG.C33 | 18-22 | 01/24/2002 | 89 | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 | ALDOTG.C36 | 22-26 | 01/24/2002 | 218 | 12J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 | Confirmation | 22-26 | 01/24/2002 | 496 | 5.0J | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc 36 | ALDOTG.C40 | 26-30 | 01/24/2002 | 475 | 17J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 | ALDOTG.C42 | 30-34 | 01/24/2002 | 391 | 48 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 | ALDOTG.C44 | 34-38 | 01/24/2002 | 266 | 34 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 | ALDOTG.C45 | 38-42 | 01/24/2002 | 80 | 29J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 | ALDOTG.C47 | 42-46 | 01/24/2002 | 224 | 55 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 | ALDOTG.C50 | 46-50 | 01/24/2002 | 19 | 14J | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 dup | ALDOTG.C51 | 46-50 | 01/24/2002 | 2 | 1 | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 | ALDOTG.C52 | 50-54 | 01/24/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |
| Loc 36 | ALDOTG.C53 | 56-60 | 01/24/2002 | ND | ND | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | ND | ND | ND |

Notes:

[1] 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.

[2] ft BLS - Feet below land surface

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

[4] ND - Not detected

[5] NA - Not analyzed by field lab

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

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

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

**Table 5.** Results of analyses[1] for total alkalinity, chloride, nitrate, nitrite, sulfate, and iron in ground-water confirmation samples from probeholes; January 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 |
| 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 | 4.2 | 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 |
| 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 |
| 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 |
| 30 | 01/15/2002 | 24-25.5 | <1.0 | 12.5 | 2.26 | <0.10 | 3.72 | 6.41 |
| 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 groundwater samples collected from probehole locations; January 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 |

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 and 200 series "shallow zone" monitoring wells ; January 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 | S / ALDOT Central Complex | 11/20/01 | 31 | 6 | 2 | 21.5-30.5 | 0.010 | 19-31 | 17-19 | 0.5-17 |
| MW 204 | S / ALDOT Central Complex | 10/25/01 | 64 | 6 | 2 | 57-63.5 | 0.010 | 55-64 | 51-55 | 0.5-51 |
| MW105 | O / ALDOT Central Complex | 10/23/01 | 27 | 6 | 2 | 20.5-26.5 | 0.010 | 17-27 | 15-17 | 0.5-15 |
| MW 205 | O / 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 | N / ALDOT Central Complex | 11/5/01 | 34 | 6 | 2 | 24.5-33.5 | 0.010 | 22-34 | 20-22 | 0.5-20 |
| MW 206 | N / ALDOT Central Complex | 10/24/01 | 54.5 | 6 | 2 | 45-54 | 0.010 | 43-54.5 | 40-43 | 0.5-40 |
| MW107 | M / ALDOT Central Complex | 11/7/01 | 35 | 6 | 2 | 25.5-34.5 | 0.010 | 23-35 | 21-23 | 0.5-21 |
| MW 207 | M / ALDOT Central Complex | 10/31/01 | 67.5 | 6 | 2 | 58-67 | 0.010 | 55-67.5 | 53-55 | 0.5-53 |
| MW108 | R / ALDOT Central Complex | 11/2/01 | 25 | 6 | 2 | 15.5-24.5 | 0.010 | 13-25 | 11-13 | 0.5-11 |
| MW 208 | R / ALDOT Central Complex | 10/26/01 | 52 | 6 | 2 | 47-51 | 0.010 | 44.5-52 | 42-44.5 | 0.5-42 |
| MW109 | T / ALDOT Central Complex | 10/29/01 | 33 | 6 | 2 | 23.5-32.5 | 0.010 | 21-33 | 19-21 | 0.5-19 |
| MW 209 | T / ALDOT Central Complex | 10/30/01 | 70 | 6 | 2 | 60.5-69.5 | 0.010 | 58-71 | 56-58 | 0.5-56 |
| MW 210 | Y / North Blvd | 10/31/01 | 9 | 6 | 2 | 4.5-8.5 | 0.010 | 2.5-9 | 1-2.5 | 0.5-1 |
| MW111 | H / Christian lab | 11/6/01 | 46 | 6 | 2 | 36.5-45.5 | 0.010 | 34-46 | 32-34 | 0.5-32 |
| MW 211 | H / Christian lab | 11/1/01 | 81 | 6 | 2 | 71.5-80.5 | 0.010 | 69.5-81 | 67-69.5 | 0.5-67 |
| MW 112 | AD / Newell Pkway | 11/13/01 | 35 | 6 | 2 | 25.5-34.5 | 0.010 | 23-35 | 21-23 | 0.5-21 |
| MW 212 | AD / Newell Pkway | 11/7/01 | 71 | 6 | 2 | 61.5-70.5 | 0.010 | 59-71.5 | 57-59 | 0.5-57 |
| MW 113 | L / Zoo | 11/9/01 | 20.5 | 6 | 2 | 11-20 | 0.010 | 9-20.5 | 7-9 | 0.5-7 |
| MW 213 | L / Zoo | 11/8/01 | 36 | 6 | 2 | 31.5-35.5 | 0.010 | 29-36 | 27-29 | 0.5-27 |
| MW 214 | AE / Wadsworth property | 11/9/01 | 10 | 5.25 | 2 | 3-7 | 0.010 | 2-7.5 | 1-2 | 0-1 |
| MW 214A | AE / 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 | J / Brockway Dr. | 11/13/01 | 25 | 6 | 2 | 15.5-24.5 | 0.010 | 13-25 | 11-13 | 0.5-11 |
| MW 215 | J / 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 | Z / Emory Folmar Blvd | 11/20/01 | 19 | 6 | 2 | 9.5-18.5 | 0.010 | 7-19 | 5-7 | 0.5-5 |
| MW 216 | Z / Emory Folmar Blvd. | 11/13/01 | 40.5 | 6 | 2 | 31-40 | 0.010 | 29-40.5 | 27-29 | 0.5-27 |
| MW 117 | G / Broadway St. | 12/12/01 | 44 | 6 | 2 | 34.5-43.5 | 0.010 | 32-44 | 30-32 | 0.5-30 |
| MW 217 | G / Broadway St. | 11/14/01 | 74.5 | 6 | 2 | 65-74 | 0.010 | 63-74.5 | 61-63 | 0.5-61 |
| MW 118 | I / Kiwanis St. | 11/20/01 | 19 | 6 | 2 | 9.5-18.5 | 0.010 | 7-19 | 5-7 | 0.5-5 |
| MW 218 | I / Kiwanis St. | 11/15/01 | 39.5 | 6 | 2 | 35-39 | 0.010 | 33-39.5 | 31-33 | 0.5-31 |
| MW 219 | A / Coliseum Blvd | 11/15/01 | 19.5 | 6 | 2 | 10-19 | 0.010 | 8-19.5 | 6-8 | 0.5-6 |
| MW 220 | AC / ADEM | 11/16/01 | 31.5 | 6 | 2 | 22-31 | 0.010 | 20-31.5 | 18-20 | 0.5-18 |
| MW 221 | AA / Manley Dr. | 11/26/01 | 26.5 | 6 | 2 | 15-26 | 0.010 | 13-26.5 | 11-13 | 0.5-11 |
| MW 122 | AB / 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 | AB / ADEM | 11/26/01 | 57.5 | 6 | 2 | 48-57 | 0.010 | 46-57.5 | 44-46 | 0.5-44 |
| MW 123 | Q / 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 | Q / 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 and 200 series "shallow zone" monitoring wells ; January 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 | V / 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 | V / 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 | W / 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 | W / Cruz St. | 11/29/01 | 40.5 | 6 | 2 | 31-40 | 0.010 | 29-40.5 | 27-29 | 0.5-27 |
| MW 226 | X / 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 | B / 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 | F / Gardendale Dr. | 12/6/01 | 26.5 | 6 | 2 | 17-26 | 0.010 | 15-28.5 | 13-15 | 0.5-13 |
| MW 228 | F / Gardendale Dr. | 12/4/01 | 50.5 | 6 | 2 | 41-50 | 0.010 | 39-50.5 | 37-39 | 0.5-37 |
| MW 129 | U / Vista View Entrance | 12/6/01 | 27.5 | 6 | 2 | 18-27 | 0.010 | 16-27.5 | 14-16 | 0.5-14 |
| MW 229 | U / Vista View Entrance | 12/4/01 | 40 | 6 | 2 | 30.5-39.5 | 0.010 | 28-40 | 26-28 | 0.5-26 |
| MW 130 | E / 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 | E / Gardendale Dr. | 12/5/01 | 51.5 | 6 | 2 | 42-51 | 0.010 | 40-51.5 | 38-40 | 0.5-38 |
| MW 131 | D / Eastern Meadows | 12/6/01 | 24 | 6 | 2 | 17-23.5 | 0.010 | 15-24 | 13-15 | 0.5-13 |
| MW 231 | D / Eastern Meadows | 12/5/01 | 33 | 6 | 2 | 28.5-32.5 | 0.010 | 28.5-33 | 24.5-26.5 | 0.5-24.5 |
| MW 132 | P / 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 | P / Broadway St. | 12/7/01 | 56.5 | 6 | 2 | 46-55 | 0.010 | 44-56.5 | 42-44 | 0.5-42 |
| MW 133 | C / Coliseum Pkwy. | 12/11/01 | 18.5 | 6 | 2 | 9-18 | 0.010 | 7-18.5 | 5-7 | 0.5-5 |
| MW 233 | C / Coliseum Pkwy. | 12/10/01 | 30.5 | 6 | 2 | 26-30 | 0.010 | 24-30.5 | 22-24 | 0.5-22 |
| MW 134 | K / 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 | K / 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.

**Table 8.** Volatile organic compounds[1] (VOCs) detected in ground-water samples from monitoring wells; January 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 |
| 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 112 | 12/12/2001 | ND | ND | ND | ND | ND | ND | ND | ND | 2.0J[4] | 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 |

*Continued on next page*

**Table 8.** Volatile organic compounds[1] (VOCs) detected in ground-water samples from monitoring wells; January 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 | 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 |

*Continued on next page*

**Table 8.** Volatile organic compounds[1] (VOCs) detected in ground-water samples from monitoring wells; January 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 micrograms per liter for the laboratory analyses

[3] ND - Not Detected

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

**Table 9.** Preliminary results[1] of Volatile Organic Compounds detected in soil samples collected from the exploratory borings; January 2002 Status Report; Coliseum Boulevard Plume Investigation; Montgomery, Alabama.

[Concentrations are in micrograms per kilogram (μg/kg)]

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **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]** |
| Loc DZ1 | 01/23/2002 | 37 | ND[4] | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc DZ1 | 01/23/2002 | 79.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc DZ1 | 01/23/2002 | 94 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc DZ2 | 01/22/2002 | 8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc DZ2 | 01/22/2002 | 20 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc DZ3 | 01/25/2002 | 71 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc DZ3 | 01/25/2002 | 86 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc DZ4 | 01/22/2002 | 39 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Loc DZ4 | 01/22/2002 | 55 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 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 kilograms for the laboratory analyses

[4] ND - Not detected

**Table 10.** Results of analyses[1] of Volatile Organic Hydrocarbons; January 2002 Status Report; Coliseum Boulevard Plume Project; Montgomery, Alabama.

**(Concentrations are expressed in micrograms/liter)**

| Sample Date | Sample ID | Trichloroethylene (1.0 µg/l[2]) | Chloromethane (1.0 µg/l[2]) |
|---|---|---|---|
| 01/03/2002 | 4' Rod Rinse | ND[3] | ND |
| 01/03/2002 | Blank | ND | ND |
| 01/04/2002 | 4' Rod Rinse | ND | ND |
| 01/04/2002 | Blank | ND | ND |
| 01/11/2002 | 4' Rod Rinse | ND | ND |
| 01/11/2002 | Blank | ND | ND |
| 01/14/2002 | 4' Rod Rinse | ND | ND |
| 01/14/2002 | Blank | ND | ND |
| 01/02/2002 | Geo 54 Rinse 4' Rod | ND | ND |
| 01/02/2002 | Blank | ND | ND |
| 01/07/2002 | Geo 54 Rinse 4' Rod | ND | ND |
| 01/07/2002 | Blank | ND | 1.7J[4] |
| 01/08/2002 | Geo 54 Rinse large bore sample | ND | ND |
| 01/08/2002 | Blank | ND | ND |
| 01/14/2002 | Geo 54 Rinse 4' Rod | ND | ND |
| 01/14/2002 | Blank | ND | ND |
| 01/15/2002 | Geo 54 Rinse | ND | ND |
| 01/15/2002 | Blank | ND | ND |
| 01/16/2002 | Geo 54 Rinse Water Rod | ND | ND |
| 01/16/2002 | Blank | ND | ND |
| 01/17/2002 | Geo 54 Rinse Grout Rod | ND | ND |
| 01/17/2002 | Blank | ND | ND |
| 01/18/2002 | Geo 54 Rinse 1" 4' Rod | ND | ND |
| 01/18/2002 | Blank | ND | ND |
| 01/21/2002 | Geo 54 Rinse 1" Rod | ND | ND |
| 01/21/2002 | Blank | ND | ND |
| 01/22/2002 | Geo 54 Rinse 4' Rod | ND | ND |
| 01/22/2002 | Blank | ND | ND |
| 01/23/2002 | Geo 54 Rinse 4' Rod | ND | ND |
| 01/23/2002 | Blank | ND | ND |
| 01/24/2002 | Geo 54 Rinse 1" Rod | ND | ND |
| 01/24/2002 | Blank | ND | ND |
| 01/25/2002 | Geo 54 Rinse 1" Rod | ND | ND |
| 01/25/2002 | Blank | ND | ND |
| 01/03/2002 | Geo 66 Rinse Water Rod | ND | ND |
| 01/03/2002 | Blank | ND | ND |
| 01/07/2002 | Geo 66 Rinse 1 1/2" 4' Rod | ND | ND |
| 01/07/2002 | Blank | ND | 1.7J |
| 01/08/2002 | Geo 66 Rinse 1 1/2" 4' Rod | ND | ND |
| 01/08/2002 | Blank | ND | ND |
| 01/09/2002 | Geo 66 Rinse 4' sampler | ND | ND |
| 01/09/2002 | Blank | ND | 1.2J |
| 01/10/2002 | Geo 66 Rinse 4' Rod | ND | ND |
| 01/10/2002 | Blank | ND | ND |
| 01/15/2002 | Geo 66 Rinse 4' Rod | ND | ND |
| 01/15/2002 | Blank | ND | ND |
| 01/16/2002 | Geo 66 Rinse 4' Rod | ND | ND |
| 01/16/2002 | Blank | ND | ND |
| 01/17/2002 | Geo 66 Rinse 4' Rod | ND | ND |
| 01/17/2002 | Blank | ND | ND |
| 01/18/2002 | Geo 66 Rinse 4' Rod | ND | ND |
| 01/18/2002 | Blank | ND | ND |
| 01/21/2002 | Geo 66 Rinse 4' Rod | ND | ND |
| 01/21/2002 | Blank | ND | ND |
| 01/22/2002 | Geo 66 Rinse 4' Rod | ND | ND |
| 01/22/2002 | Blank | ND | ND |
| 01/23/2002 | Geo 66 Rinse 4' Rod | ND | ND |
| 01/23/2002 | Blank | ND | ND |
| 01/24/2002 | Geo 66 Rinse 4' Rod | ND | ND |
| 01/24/2002 | Blank | ND | ND |
| 01/25/2002 | Geo 66 Rinse 4' Rod | ND | ND |
| 01/25/2002 | Blank | ND | ND |
| 01/10/2002 | Probe Rod Rinse | ND | ND |
| 01/10/2002 | Blank | ND | ND |
| 01/11/2002 | Probe Rod Rinse | ND | ND |
| 01/11/2002 | Blank | ND | ND |
| 01/09/2002 | Rinse Core Sampler | ND | ND |
| 01/09/2002 | Blank | ND | 1.2J |
| 01/22/2002 | Rinse Core Rod/Bit | ND | ND |
| 01/22/2002 | Blank | ND | ND |
| 01/23/2002 | Rinse | ND | ND |
| 01/23/2002 | Blank | 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/liter for the laboratory analyses

[3] ND = Not detected

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

Table 11. Results of analyses[1] and treated volumes of water from the treatment system; January 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] | |
| **January 3, 2002** | | | | | |
| Trichloroethylene | 7.1J[4] | NA[5] | ND[6] | ND | 264 |
| **January 8, 2002** | | | | | |
| Trichloroethylene | 1.1J | NA | ND | ND | 658 |
| Chloromethane | ND | NA | ND | 1.8J | |
| **January 9, 2002** | | | | | |
| Trichloroethylene | 8.1J | NA | ND | ND | 1,340 |
| Chloromethane | ND | NA | ND | 1.6J | |
| **January 10, 2002** | | | | | |
| Trichloroethylene | 3.0J | NA | ND | ND | 1,112 |
| **January 14, 2002** | | | | | |
| Trichloroethylene | 5.8J | NA | ND | ND | 1,160 |
| Chloromethane | ND | NA | ND | 1.1J | |
| **January 15, 2002** | | | | | |
| Trichloroethylene | 2.3J | NA | ND | ND | 708 |
| **January 18, 2002** | | | | | |
| Trichloroethylene | 8.2J | NA | ND | ND | 486 |
| **January 22, 2002** | | | | | |
| Trichloroethylene | 10.0J | NA | ND | ND | 719 |
| **January 23, 2002** | | | | | |
| Trichloroethylene | 37.8 | NA | ND | ND | 737 |
| Chloromethane | ND | NA | ND | 1.0J | |
| **January 24, 2002** | | | | | |
| Trichloroethylene | 13.9J | NA | ND | ND | 654 |
| **January 25, 2002** | | | | | |
| Trichloroethylene | 6.5J | NA | ND | ND | 197 |
| **January 28, 2002** | | | | | |
| Trichloroethylene | 4.0J | NA | ND | ND | 412 |
| Chloromethane | ND | NA | ND | 1.1J | |
| **January 30, 2002** | | | | | |
| Trichloroethylene | 2.9J | NA | ND | ND | 347 |
| Chloromethane | <1.0 | NA | ND | 1.7J | |
| **January 31, 2002** | | | | | |
| Trichloroethylene | 1.3J | NA | ND | ND | 1,103 |
| Chloromethane | 1.7J | | 1.5J | 1.5J | |
| Chloroform | 3.6J | | ND | ND | |
| Tetrachloroethylene | 1.1J | | ND | ND | |
| **Total Volume Treated - January** | | | | | **9,897** |

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.

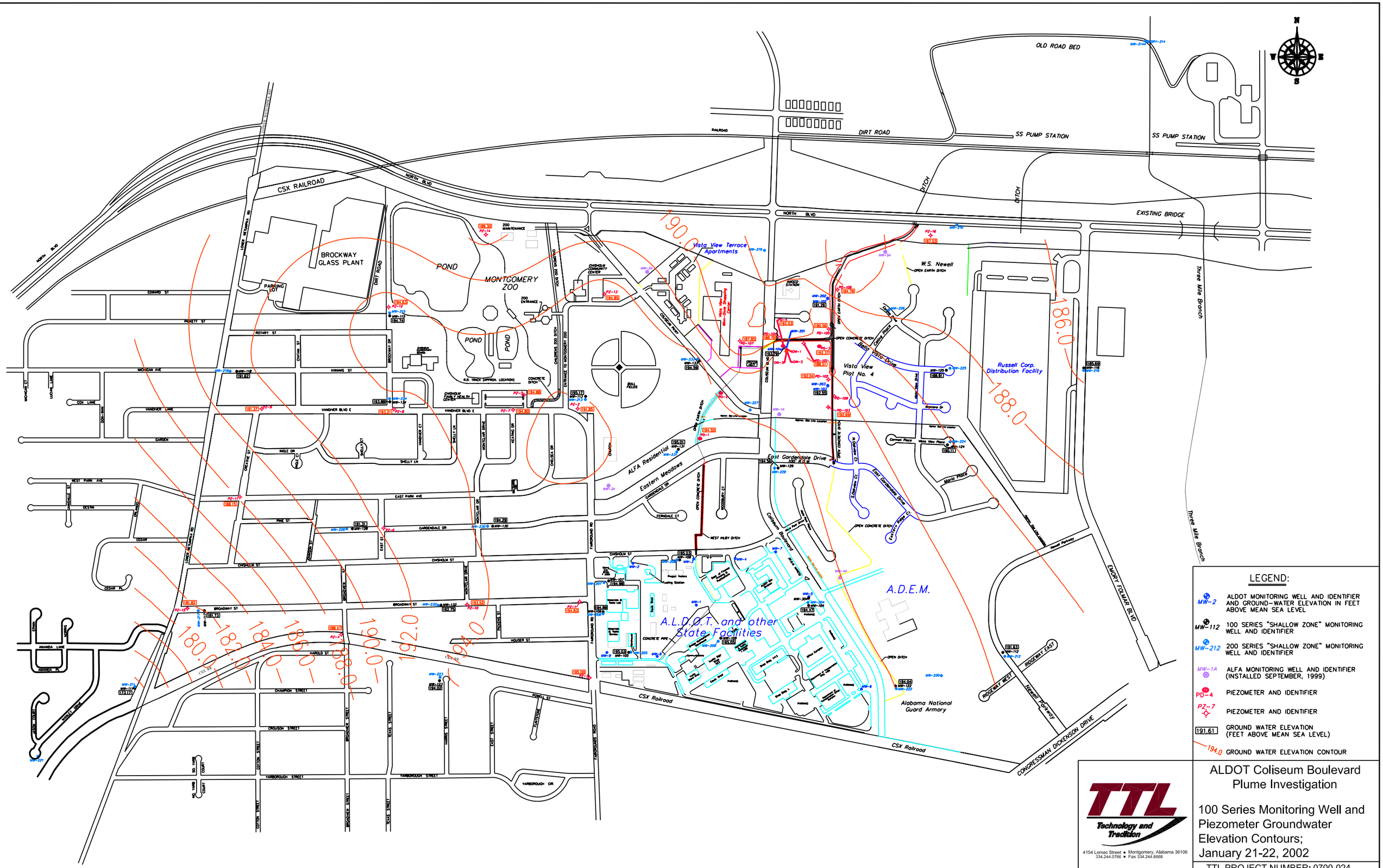
[3] MDL = Method Detection Limit of 1.0 micrograms per liter for the laboratory analyses

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

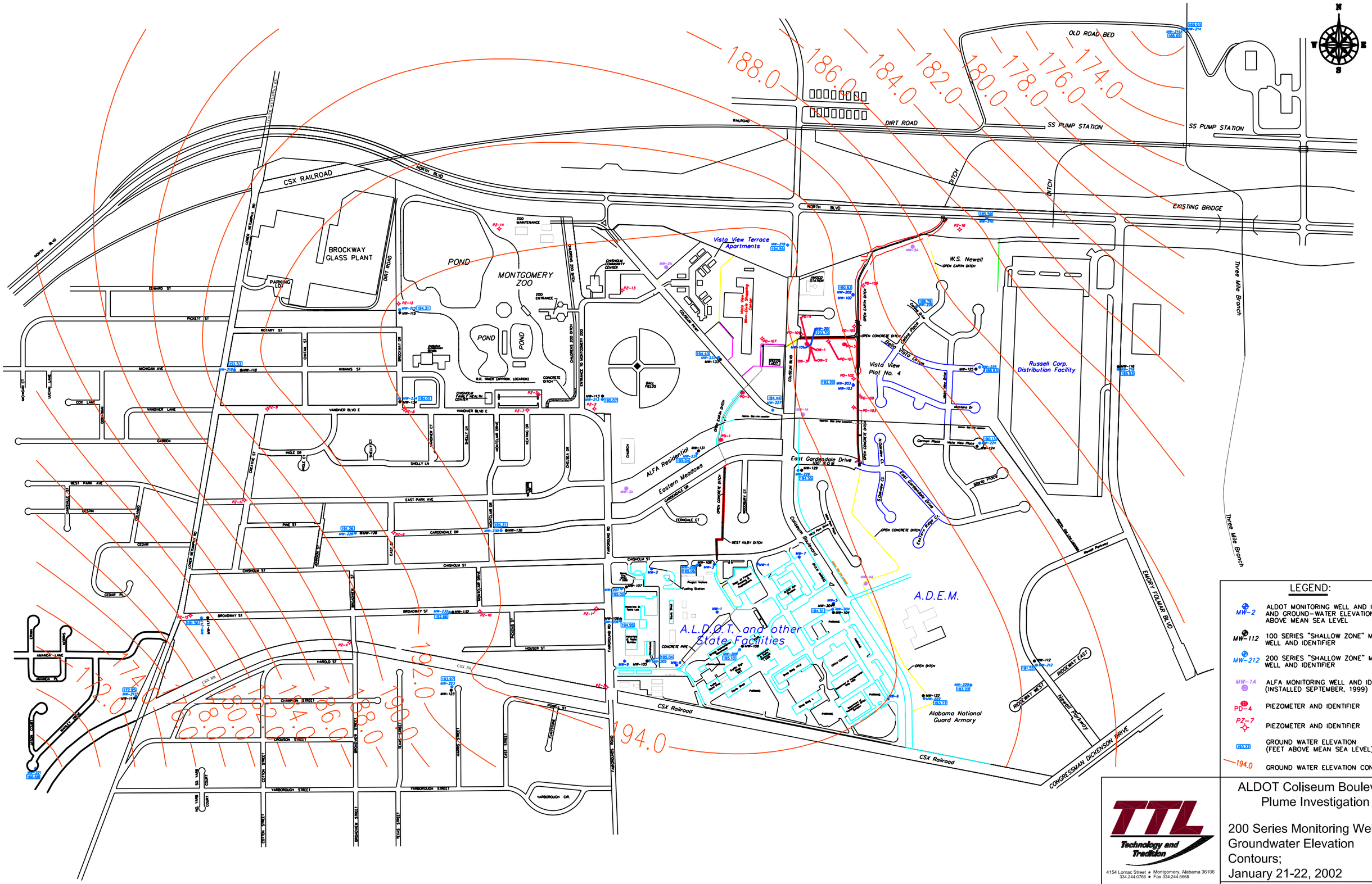
[5] NA = Not analyzed Carbon Filter 1 was disconnected on November 21, 2001, because breakthrough was observed and the pressure had increased on the first filter resulting in

[6] ND = Not detected

# PLATES




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:

| | |
|---|---|
| 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 |
| 193.22 | GROUND WATER ELEVATION (FEET ABOVE MEAN SEA LEVEL) |
| 194.0 | GROUND WATER ELEVATION CONTOUR |

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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# ALDOT Coliseum Boulevard Plume Investigation

## 200 Series Monitoring Well Groundwater Elevation Contours; January 21-22, 2002

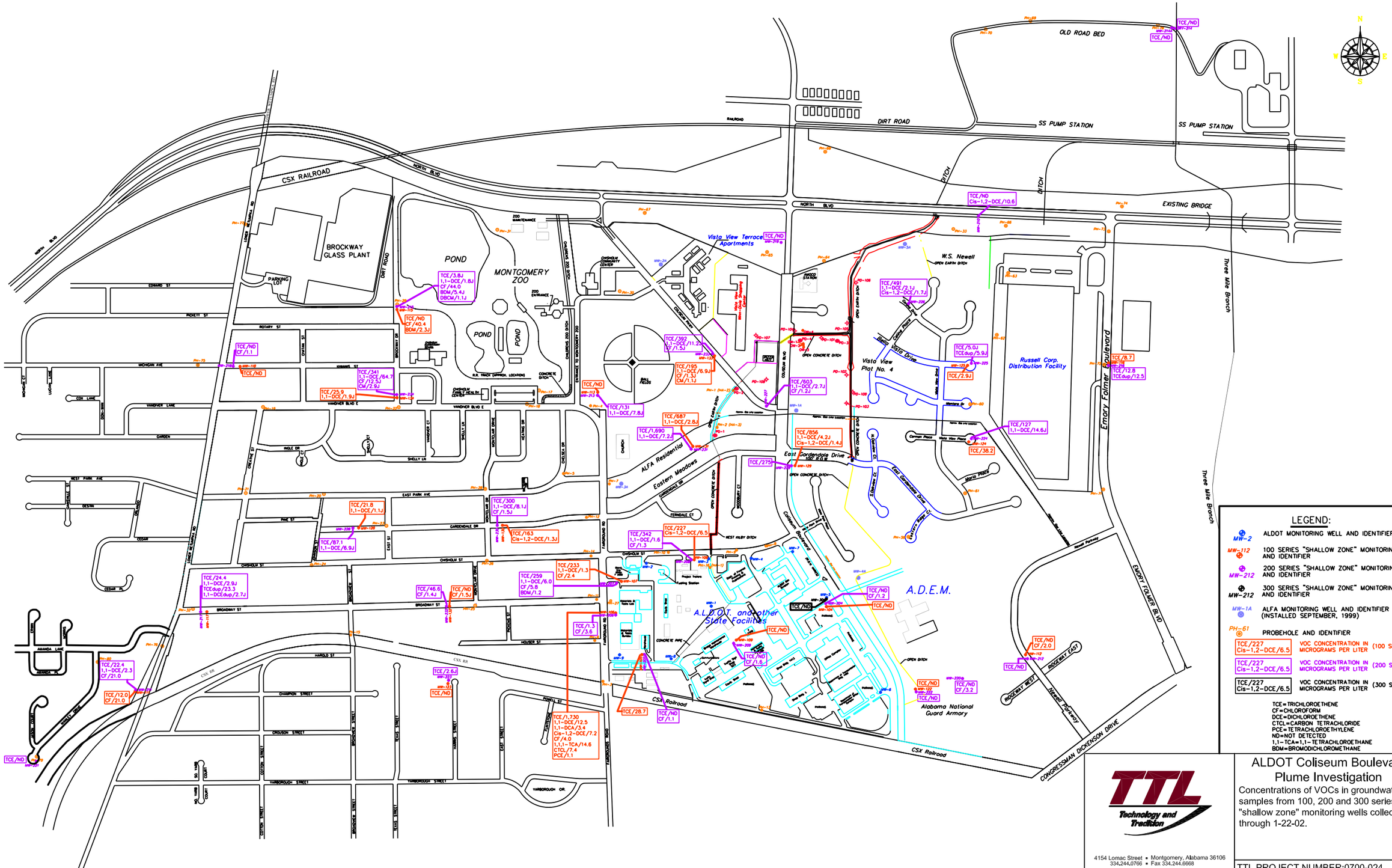
TTL PROJECT NUMBER: 0700-024

Drawing No. 020221.1

SCALE: 1" = 400'

Plate 2

# 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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Drawing No. 020123

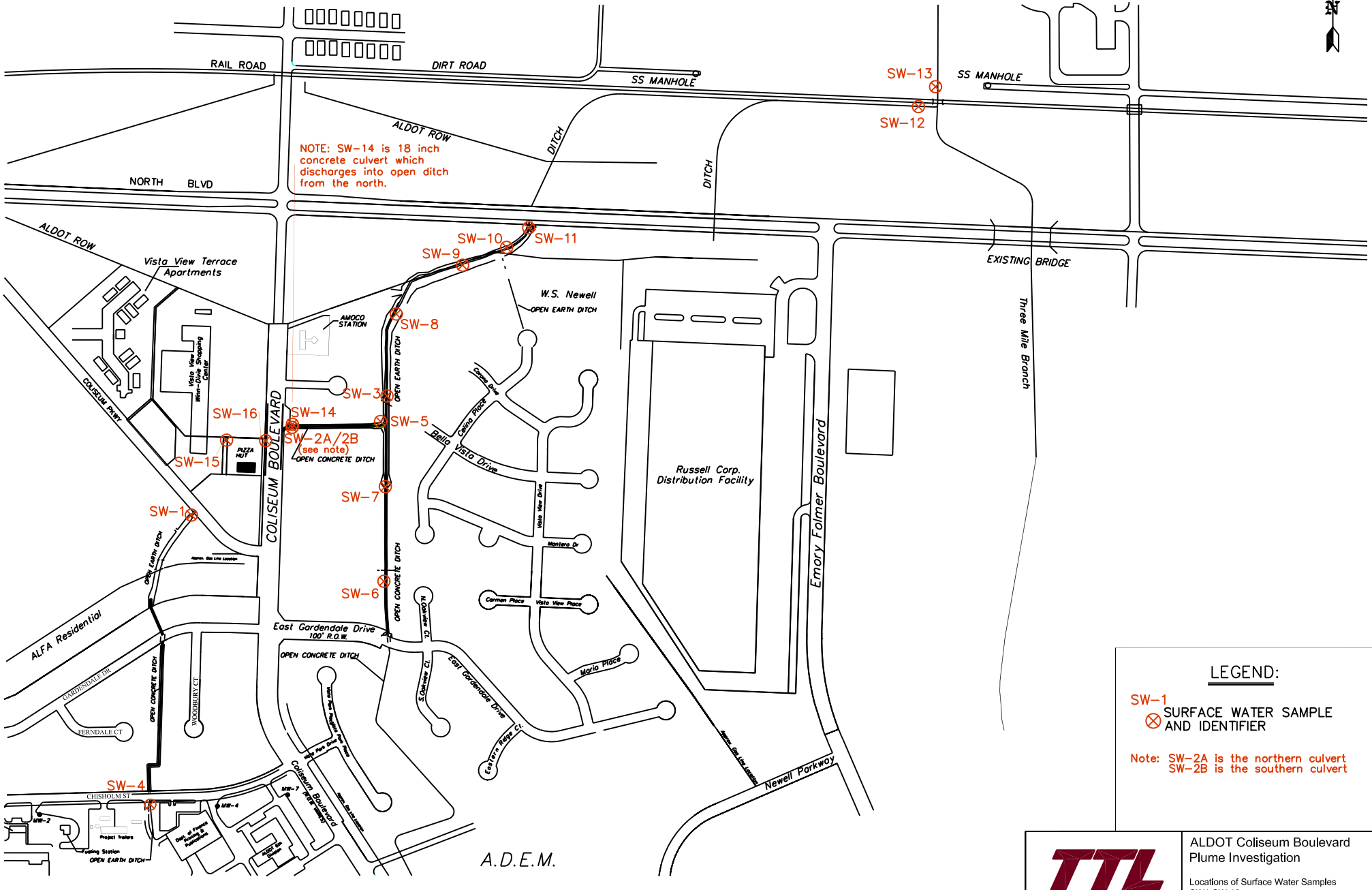
# ALDOT Coliseum Boulevard Plume Investigation

Concentrations of VOCs in groundwater samples from 100, 200 and 300 series "shallow zone" monitoring wells collected through 1-22-02.

TTL PROJECT NUMBER:0700-024

SCALE: 1" = 400'

Figure 1




## 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

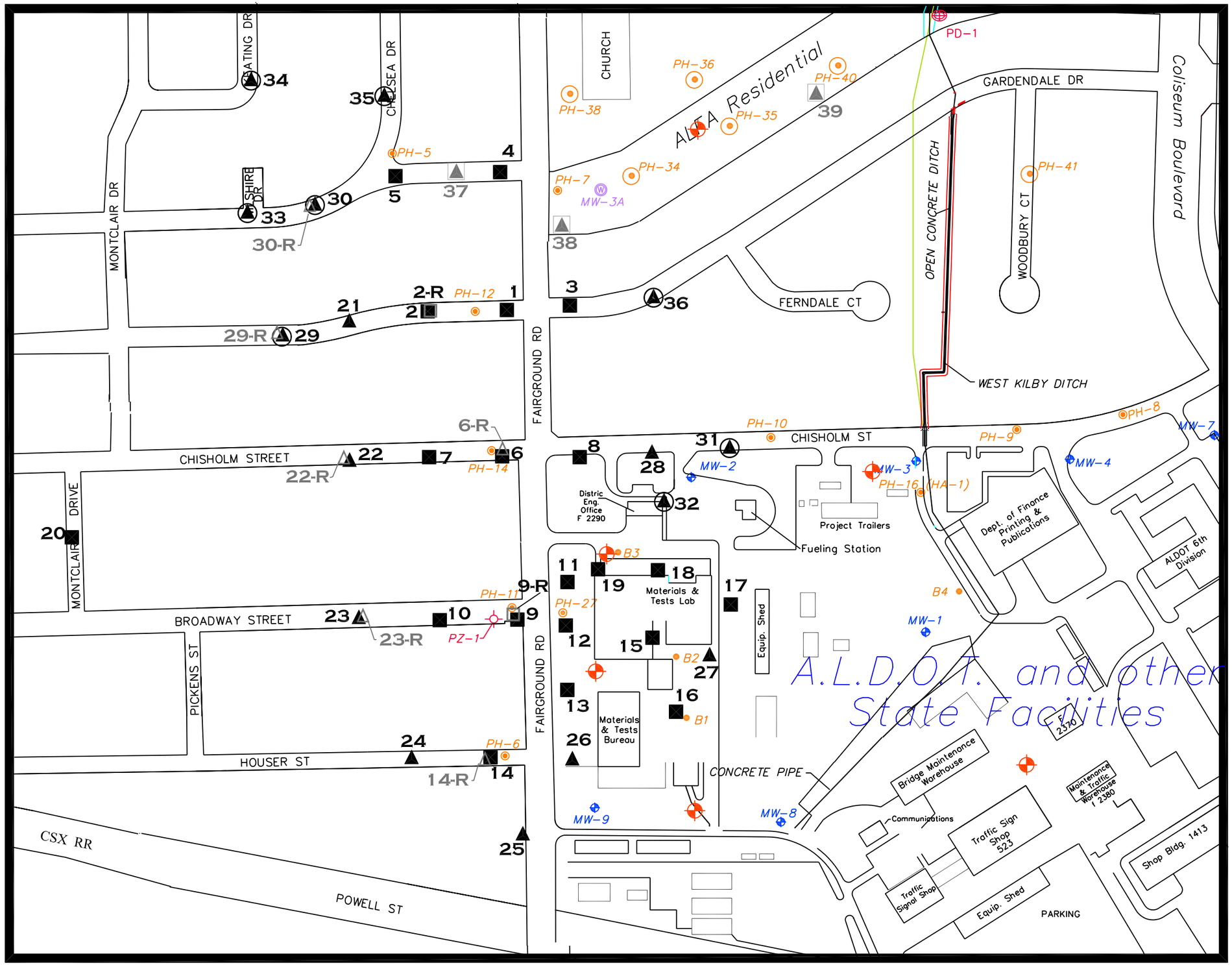
ALDOT Coliseum Boulevard Plume Investigation

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

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TTL PROJECT NUMBER: 0700-024

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

# ATTACHMENTS

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #21<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | D. Carroll |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/03/2002 - 01/07/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | D. Mick | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 5410 | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Gardendale Dr. | GROUND ELEVATION | 221.00 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 | | | 0 | Asphalt (3") | | |
| | | | | | 0 | Clay, dark yellowish brown (10YR 3/6), w/approx. 30% fine to coarse gravel, sandy | | |
| | | | | | 0 | Clay, dark yellowish-brown, red (10R 4/8), sandy | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 5 | | | | | 0 | Very sandy | | |
| | | | | | 0 | | | |
| | | SC | | | 0 | Sand, red (10R 4/8) (2.5YR 4/8), fine grained, clayey | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 10 | | | | | 0 | | | |
| | | SM | | | 0 | Sand, red (2.5YR 4/8), dark yellowish-brown (10YR 4/6), very pale brown (10YR 8/3), fine to med. grained, silty | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, olive yellow (5Y 6/6), very pale brown (10YR 4/3) (10YR 8/4), fine to med. grained, silty w/traces of mica | | |
| 15 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | SP SM | | | 0 | Sand, olive yellow, very pale brown, fine to very corse grained w/approx. 40% fine to very coarse gravel | | |
| 20 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Traces of glauconite | | |
| 25 | | | | | 0 | Approx. 30% gravel | | |
| | | | | | | Sand, yellowish-brown (10YR 5/8), very pale brown, fine to very coarse grained w/approx. 40% fine to very coarse gravel, w/traces of glauconite | | |
| | | | | | | Silty | | |
| 30 | | | | | | Sand, very pale brown, brownish-yellow (10YR 6/8), fine to med. grained, silty, clayey w/mica & glauconite | | |
| | | | | | | Sand, brownish-yellow, very pale brown, strong | | |

Continued Next Page



Coliseum Blvd. Plume
F:\2000\0700\02_\INT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #21<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | D. Carroll |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/03/2002 - 01/07/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | brown (7.5YR 5/6), reddish-yellow (7.5YR 6/8), fine to med. grained w/mica & glauconite, silty, clayey | | |
| 40 | | | | | | | | |
| | | | | | | Very pale brown | | |
| 45 | | SM | | | | | | |
| | | | | | | Sand, very pale brown, pink (5YR 8/6), fine grained w/mica & glauconite | | |
| 50 | | | | | | | | |
| | | | | | | Sand, brownish-yellow, reddish-yellow, very pale brown, fine to coarse grained, silty w/mica & glauconite | | |
| 55 | | | | | | | | |
| | | | | | | Sand, pale olive (5Y 6/4) & brownish-yellow, fine to med. grained w/mica & glauconite | | |
| | | | | | | Sand, brownish-yellow, fine grained, silty | | |
| | | | | | | Sand, pale olive, fine to med. grained w/mica & glauconite | | |
| 60 | | CL | | | | Clay, light gray (5Y 7/2), sandy, 3" thick | | |
| | | | | | | BORING TERMINATED AT 60 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\02-...\T UPDATES\PH34_52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #22<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck/D. Carroll |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/07/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | D. Mick | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 5410 | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Chisholm St. | GROUND ELEVATION | 224.41 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0 | Asphalt (4") | | |
| | | | | | 0 | Clay, dark reddish-brown (5YR 3/4), sandy | | |
| | | | | | | Clay, strong brown (7.5YR 4/6), sandy | | |
| | | | | | 0 | Clay, dark yellowish-brown (10YR 4/6) (10YR 3/6) | | |
| | | CL | | | 0 | | | |
| | | | | | 0 | | | |
| 5 | | | | | 0 | | | |
| | | | | | 0 | Sand, dark yellowish-brown, fine to med. grained, clayey | | |
| | | SC | | | 0 | | | |
| | | | | | 0 | | | |
| 10 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Silty, clayey | | |
| | | SM SC | | | 0 | | | |
| | | | | | 0 | Sand, yellowish-brown (10YR 5/8), very pale brown (10YR 8/7), fine to med. grained w/mica & glauconite | | |
| 15 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | SM | | | 0 | Sand, brownish-yellow(10YR 6/8), olive yellow (7.5Y 6/6), very pale brown (10YR 8/3), fine grained w/glauconite & traces of mica | | |
| | | | | | 0 | | | |
| 20 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, brownish-yellow, olive yellow, very pale brown, yellowish-brown, fine to very coarse grained w/approx. 30% fine to very coarse gravel w/mica & glauconite | | |
| | | | | | 0 | | | |
| 25 | | | | | | | | |
| | | SP SM | | | | | | |
| | | | | | | Approx. 15% gravel | | |

*Continued Next Page*



Coliseum Blvd. Plume
F:\2000\0700\02+...\T UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #22<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck/D. Carroll |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/07/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | CL | | | | Clay lense, gray, <¼" thick | | |
| | | SC<br>SM | | | | Sand, brownish-yellow, very pale brown, yellowish-brown, fine to med. grained, clayey, silty, w/mica & glauconite | | |
| 35 | | CL | | | | Clay, grayish-brown (10YR 5/2), gray (2.5Y 6/1), 8" thick | | |
| | | SC<br>SM | | | | Sand, brownish-yellow, very pale brown, yellowish-brown, fine to med. grained, clayey, silty, traces of mica & glauconite | | |
| 40 | | SM | | | | Sand, yellowish-brown, very pale brown, fine to med. grained, silty w/mica & glauconite | | |
| | | | | | | Sand, very pale brown & yellowish-brown, fine to med. grained, w/mica & glauconite | | |
| 45 | | | | | | Sand, very pale brown & yellowish-brown, fine to med. grained, silty, w/mica & glauconite | | |
| | | | | | | Sand, very pale brown & yellowish-brown, fine to med. grained, w/mica & glauconite | | |
| 50 | | SC | | | | Sand, very pale brown, yellowish-brown & light gray (5Y 7/2), fine to med. grained, clayey, w/mica & glauconite | | |
| 55 | | CL | | | | Clay, light gray (5Y 7/2), sandy, ½" thick | | |
| | | SC | | | | Sand, strong brown (7.5YR 5/6), fine to coarse grained, clayey w/mica & glauconite | | |
| | | CL | | | | Clay, light gray, sandy | | |
| | | | | | | BORING TERMINATED AT 56 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\02...NT UPDATES\PH34_52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #23<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/09/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | J. Kalvig | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Broadway St. | GROUND ELEVATION | 216.54 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0 | Asphalt | | |
| | | SM | | | 0 | Sand, reddish-brown (2.5YR 4/4), fine to very coarse grained w/approx. 5% fine to coarse gravel | | |
| | | | | | 0 | | | |
| | | SC | | | 0 | Sand, red (2.5YR 4/6), brownish-yellow (10YR 6/6) & light gray (5Y 7/2), fine to coarse grained, clayey | | |
| | | | | | 0 | | | |
| 5 | | | | | 0 | | | |
| | | CL | | | 0 | Clay, red, brownish-yellow & light gray, sandy, stiff | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 10 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 15 | | | | | 0 | | | |
| | | SC | | | 0 | Sand, red, brownish-yellow & light gray, fine to med. grained, clayey | | |
| | | SM | | | 0 | Sand, reddish-yellow (5YR 6/8), fine to coarse grained | | |
| | | | | | 0 | Sand, reddish-yellow, strong brown (7.5YR 4/6), fine to very coarse grained, w/approx. 30% fine to very coarse gravel | | |
| | | | | | 0 | | | |
| 20 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | SP<br>SM | | | 0 | Sand, reddish-yellow, brownish-yellow (10YR 6/8), fine to very coarse grained w/approx. 10% fine to coarse gravel | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 25 | | | | | | | | |
| | | | | | | Sand, pale yellow (5Y 7/3) & reddish-yellow (5YR 6/8), fine to med. grained w/mica & glauconite | | |
| 30 | | | | | | | | |
| | | | | | | Silty | | |
| | | SM | | | | | | |

*Continued Next Page*



Coliseum Blvd. Plume
F:\2000\0700\024\GINT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #23<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/09/2002 |

*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 | | CL | | | | Clay lense (~1"), light gray (5Y 7/2), sandy | | |
| | | SM | | | | Sand, pale yellow (5Y 7/3) & reddish-yellow (5YR 6/8), fine to med. grained w/mica & glauconite | | |
| | | CL | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| 45 | | SM | | | | Sand, pale yellow, reddish-yellow, fine to med. grained w/mica & glauconite | | |
| 50 | | CL | | | | Clay lense (<¼"), light gray (5Y 7/2), sandy | | |
| | | SM | | | | Sand, pale yellow (5Y 7/3), reddish-yellow (5YR 6/8) & olive yellow (2.5Y 6/6), fine to med. grained w/mica & glauconite | | |
| | | CL | | | | Clay lense (~1"), light gray (5Y 7/2), sandy | | |
| 55 | | SM | | | | Sand, olive yellow (2.5Y 6/6), fine to med. grained, w/mica & glauconite | | |
| | | CL | | | | Clay lense (<¼"), light gray (5Y 7/2), sandy | | |
| | | SM | | | | Sand, olive yellow & reddish-yellow, fine to med. grained w/mica & glauconite | | |
| | | | | | | AUGER REFUSAL AT 58 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\02-...\T UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #24<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/11/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | J. Kalvig | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Houser St. | GROUND ELEVATION | 219.64 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0.8 | Asphalt | | |
| | | | | | 0.6 | Clay, yellowish-brown (10YR 5/8), sandy | | |
| | | | | | 0.7 | | | |
| | | | | | 0 | Clay, red (2.5YR 4/6), brownish-yellow (10YR 6/6) & light gray (5Y 7/2), sandy, stiff | | |
| | | | | | 0 | | | |
| 5 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | CL | | | 3.4 | | | |
| | | | | | 3.9 | | | |
| | | | | | 3.8 | | | |
| 10 | | | | | 2.5 | | | |
| | | | | | 2.8 | | | |
| | | | | | 2.4 | | | |
| | | | | | 2.6 | | | |
| | | | | | 0 | Sand, reddish-yellow (7.5YR 6/8) & strong brown (7.5YR 5/8), fine to med. grained | | |
| 15 | | SM | | | 0 | | | |
| | | | | | 0 | Sand, reddish-yellow, fine to very coarse grained w/approx. 20% fine to coarse gravel | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | SP | | | 0 | | | |
| 20 | | SM | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, reddish-yellow, fine to coarse gravel | | |
| | | | | | 1.3 | | | |
| 25 | | SM | | | | | | |
| | | SP | | | | Sand, yellow (10YR 7/8), fine to very coarse w/approx. 30% fine to coarse gravel | | |
| | | CL | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| 30 | | SM | | | | Sand, pale yellow (5Y 7/3), fine to med. grained, silty w/mica & glauconite | | |
| | | CL | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| | | | | | | Sand, pale yellow, fine to med. grained, silty w/mica & glauconite | | |

*Continued Next Page*



Coliseum Blvd. Plume
F:\2000\0700\02+ ...\UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #24<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/11/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| 40 | | SM | | | | | | |
| 45 | | CL | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| | | | | | | Sand, pale yellow, fine to med. grained, w/mica & glauconite | | |
| 50 | | SM | | | | | | |
| 55 | | | | | | AUGER REFUSAL AT 56 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\0...\NT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #25<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/14/2002 - 01/16/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | J. Kalvig | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Immediately west of Fairground Rd. about 300 ft. | GROUND ELEVATION | 220.05 Ft. AMSL |
| | south of Houser St. | DEPTH TO WATER | |
| | | 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 |
|---|---|---|---|---|---|---|---|---|
| | | SM | | | 0 | Silt w/organics | | |
| | | | | | 0 | Clay, yellowish-red (5YR 4/6) & yellowish-brown (10YR 4/6), sandy, plastic | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Clay, red (2.5YR 4/6), brownish-yellow (10YR 6/6) & light gray (5Y 7/2), sandy, stiff | | |
| 5 | | | | | 0 | | | |
| | | CL | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 10 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, red & brownish-yellow, fine to med. grained, clayey | | |
| | | | | | 0 | | | |
| 15 | | SC | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, yellow (10YR 7/8) & very pale brown (10YR 7/4), fine to very coarse grained w/approx. 40% fine to coarse gravel | | |
| | | | | | 0 | | | |
| 20 | | SP SM | | | 0 | | | |
| | | | | | 0 | | | |
| | | CL | | | 0 | Clay, red (2.5YR 7/8), sandy w/gravel | | |
| | | | | | 0 | Sand, yellow & reddish-yellow (7.5YR 6/8), fine to very coarse grained w/approx. 15% fine to coarse gravel | | |
| | | | | | 0 | | | |
| 25 | | | | | | | | |
| | | | | | | 40% gravel | | |
| 30 | | SP SM | | | | | | |

*Continued Next Page*



Coliseum Blvd. Plume
F:\2000\0700\024\GINT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #25<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/14/2002 - 01/16/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Note: Approx. 50% recovery at 32 to 36 ft. interval | | |
| | | SM | | | | Sand, pale yellow (5Y 7/3), fine to med. grained, silty w/mica & glauconite | | |
| 40 | | | | | | | | |
| | | CL | | | | Clay, light gray (5Y 7/2), sandy | | |
| | | | | | | Sand, pale yellow, fine to med. grained, silty w/mica & glauconite | | |
| 45 | | | | | | | | |
| | | | | | | Sand, pale yellow, fine to med. grained w/mica & glauconite | | |
| 50 | | | | | | | | |
| | | SM | | | | | | |
| 55 | | | | | | | | |
| | | | | | | Sand, pale yellow & reddish-yellow | | |
| 60 | | | | | | | | |
| | | CL | | | | Clay, light gray, sandy | | |
| | | | | | | BORING TERMINATED AT 62 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\0... ...NT UPDATES\PH34_52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #26<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/04/2002 - 01/16/2002 |
| 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 | *ALDOT Materials & Test Bureau parking lot | GROUND ELEVATION | 218.72 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 |
|---|---|---|---|---|---|---|---|---|
| | | SM | | | 0 | Asphalt<br>Sand, brown (7.5YR 4/4), fine to med. grained | | |
| 5 | | CL | | | 0 | Clay, yellowish-brown (10YR 5/8) & yellow (10YR 7/8), sandy<br>Clay, red (10R 5/8), reddish-yellow (7.5YR 6/8) & light gray (5Y 7/2), sandy, stiff | | |
| 10 | | SC | | | 0 | Sand, red, reddish-yellow, & light gray, fine to med. grained, clayey, micaceous | | |
| | | SM | | | 0 | Sand, reddish-yellow, fine to med. grained w/mica | | |
| 15 | | SP SM | | | 0 | Sand, brownish-yellow (10YR 6/8), fine grained, silty, w/mica<br>Sand, reddish-yellow, brownish-yellow (10YR 6/8) & strong brown (7.5YR 5/6), fine to very coarse grained w/approx. 20% fine to coarse gravel<br>Sand, brownish-yellow & very pale brown (10YR 7/4), fine to very coarse grained, w/approx. 5% fine to very coarse gravel | | |
| 20 | | SC | | | 0 | Sand, red (10YR 5/8) & black (10YR 7/1), fine to very coarse, clayey w/mica | | |
| 25 | | SP SM | | | 0 | Sand, brownish-yellow & very pale brown, fine to very coarse grained w/approx. 20% fine to very coarse gravel<br>Sand, reddish-yellow, fine to very coarse grained w/approx. 5% fine to med. gravel, pea size<br>Clay lense, light gray (5Y 7/2), w/gravel | | |
| 30 | | | | | | Sand, pale yellow (5Y 7/3), brownish-yellow & reddish-yelllow, fine to med. grained, w/mica & glauconite | | |

*Continued Next Page*



Coliseum Blvd. Plume
F:\20000700\02-_(UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #26<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/04/2002 - 01/16/2002 |

*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 | | | | | | |
| | | CL | | | | Clay lense (<¼"), light gray (5Y 7/2), sandy | | |
| 40 | | | | | | Sand, pale yellow, fine to med. grained w/mica & glauconite | | |
| | | SM | | | | | | |
| 45 | | | | | | Pale yellow & reddish-yellow | | |
| | | CL | | | | Clay lense (<¼"), light gray (5Y 7/2), sandy | | |
| | | | | | | Sand, pale yellow & reddish-yellow, fine to med. grained, clayey, w/mica & glauconite | | |
| 50 | | SC | | | | w/interbedded pale yellow, reddish-yellow & light gray (5Y 7/2) clay lenses | | |
| 55 | | CL<br>ML | | | | Clay/silt, greenish-gray (6/1 10BG) w/mica | | |
| | | CL | | | | Clay, yellowish-brown (10YR 5/6) w/mica | | |
| | | | | | | BORING TERMINATED AT 58 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\02-...NT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #27<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/08/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | J. Kalvig | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *About 50 ft. north of southeast corner of ALDOT | GROUND ELEVATION | 222.19 Ft. AMSL |
| | Materials & Test Lab building | 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0 | Asphalt | | |
| | | SC | | | 0 | Sand, red (2.5YR 4/6), fine grained, clayey | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Clay, red (2.5 YR 4/6) & brownish-yellow (10YR 6/6), sandy, stiff | | |
| 5 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | CL | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 10 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | SC | | | 0 | Sand, reddish-yellow (5YR 6/8), fine to coarse grained, clayey | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, reddish-yellow (5YR 6/8), fine to coarse grained, silty | | |
| 15 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | SM | | | 0 | Reddish-yellow & strong brown (7.5YR 5/8) | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 20 | | | | | 0 | | | |
| | | CL | | | 0 | Clay (about 4" thick), black (2.5YR 4/6), sandy | | |
| | | | | | 0 | Sand, reddish-yellow, fine to very coarse grained, w/approx. 10% fine to very coarse gravel | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 25 | | SP<br>SM | | | | 30% gravel | | |
| | | | | | | 5% gravel | | |
| | | CL | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| 30 | | | | | | Sand, brownish-yellow, fine to med. grained, w/mica & glauconite | | |
| | | SM | | | | | | |
| | | SC | | | | w/4" of light gray (5Y 7/2) interbedded clay lenses | | |
| | | | | | | Sand, pale yellow (5Y 7/3), fine to med. grained, silty w/mica & glauconite | | |

*Continued Next Page*



Coliseum Blvd. Plume
F:\2000\0700\02-...NT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #27<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/08/2002 |

*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 | | | | | | |
| | | CL | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| 40 | | SM | | | | Sand, pale yellow, fine to med. grained, silty w/mica & glauconite | | |
| 45 | | SC<br>SM | | | | Clayey & silty | | |
| | | | | | | Sand, pale yellow, fine to med. grained w/mica & glauconite, interbedded w/very thin clay lenses | | |
| 50 | | | | | | Sand, pale yellow, fine to coarse grained w/mica & glauconite, interbedded w/very thin clay lenses | | |
| | | | | | | Sand, pale yellow, fine to coarse grained, w/mica & glauconite | | |
| 55 | | SM | | | | Pale yellow (5Y 7/3) & olive yellow (2.5Y 6/8) | | |
| 60 | | | | | | | | |
| | | SC | | | | Sand, olive yellow, strong brown (7.5YR 5/8), yellowish-red (5YR 5/8) & light gray (5Y 7/2), fine to coarse grained w/mica & glauconite | | |
| 65 | | CL | | | | Interbedded w/numerous clay lenses<br>Sand, light greenish-gray (Gley 1 7/1), fine to coarse grained, clayey w/mica & carbon deposits<br>Clay, light greenish-gray, silty, w/mica | | |
| | | | | | | BORING TERMINATED AT 68 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\02\...NT UPDATES\PH34_52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #28<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | D. Carroll |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/08/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | D. Mick | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 5410 | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Chisholm St. | GROUND ELEVATION | 217.79 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0 | Asphalt | | |
| | | | | | 0 | Clay, reddish-brown (5YR 4/4), red (2.5YR 4/6), brownish-yellow (10YR 6/8), slightly sandy | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 5 | | CL | | | 0 | | | |
| | | | | | 0 | Clay, dark yellowish-brown (10YR 3/6), sandy | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 10 | | | | | 0 | Sand, dark yellowish-brown (10YR 4/6), fine grained, silty w/mica | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, yellowish-brown (10YR 5/6), very pale brown (10YR 8/4), fine grained, w/glauconite & mica | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, very pale brown (10YR 8/3) (10YR 8/4), olive yellow (2.5YR 6/6), fine to med. grained w/mica & glauconite | | |
| 15 | | SM | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 20 | | | | | 0 | Sand, very pale brown, olive yellow, fine to very coarse grained w/approx. 10% fine to very coarse gravel, w/mica & glauconite | | |
| | | | | | 0 | Approx. 40% gravel | | |
| | | | | | 0 | | | |
| | | SP SM | | | 0 | Sand, dark yellowish-brown, fine to very coarse grained w/approx. 30% fine to very coarse gravel | | |
| 25 | | | | | | | | |
| | | | | | | Sand, very pale brown, yellowish-brown, olive yellow, fine to med. grained w/mica & glauconite, silty | | |
| 30 | | | | | | | | |

Continued Next Page



Coliseum Blvd. Plume
F:\2000\0700\024\GINT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #28<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | D. Carroll |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/08/2002 |

*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 | | | | Sand, very pale brown, fine to med. grained, w/mica & glauconite | | |
| 40 | | | | | | Silty, more glauconitic | | |
| 45 | | | | | | | | |
| 50 | | SC<br>SM | | | | Sandy, yellowish-red (5YR 5/4), very pale brown, fine to coarse grained w/mica & glauconite, silty/clayey | | |
| | | CL | | | | Clay lense (~½"), light gray (10YR 7/2) | | |
| | | SC | | | | Sand, yellowish-red, very pale brown, fine grained w/mica & glauconite, silty, clayey | | |
| 55 | | CL | | | | Clay, dark reddish-gray (10R 4/1), light gray (10YR 7/1) | | |

BORING TERMINATED AT 56 FEET.

Coliseum Blvd. Plume
F:\2000\0700\02-...\INT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

TTL Technology and Tradition

# MAYNARD, COOPER & GALE
# COLISEUM BLVD. PLUME

## LOG OF PROBEHOLE Location #29 & CONSTRUCTION

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/15/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | J. Kalvig | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Gardendale Dr. | GROUND ELEVATION | 219.85 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0 | Asphalt | | |
| | | CL | | | 0 | Clay, red (2.5YR 4/6), sandy | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, red, fine to med. grained, clayey | | |
| | | | | | 0 | | | |
| 5 | | | | | 0 | | | |
| | | SC | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 10 | | | | | 0 | Sand, yellowish-red (5YR 5/8), fine to coarse grained | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, pale yellow (2.5Y 8/3) & yellow (10YR 8/8), fine to med. grained | | |
| 15 | | | | | 0 | | | |
| | | SM | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, reddish-yellow (7.5YR 6/8), fine to coarse grained | | |
| 20 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, reddish-yellow (7.5YR 6/8), pale yellow (2.5Y 8/3) & yellow, fine to very coarse grained, w/approx. 30% fine to very coarse gravel | | |
| | | | | | 0 | | | |
| 25 | | | | | 0 | | | |
| | | | | | 0 | Gravel, yellow (10YR 7/6) & white (2.5Y 8/1), fine to very coarse grained w/approx. 50% fine to very coarse gravels, w/clay | | |
| | | SP SM | | | | | | |
| 30 | | | | | | | | |
| | | SM | | | | Sand, brownish-yellow (10YR 6/8), fine grained, silty | | |
| | | CL | | | | Sand, pale yellow (5Y 7/3) & strong brown (7.5YR 5/6), fine to med. grained, w/mica & glauconite | | |
| | | SM | | | | Clay lense (~½"), light gray (5Y 7/2), sandy | | |
| | | CL | | | | Sand, pale yellow, fine to med. grained w/mica & glauconite | | |
| 35 | | SM | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| | | CL | | | | Sand, pale yellow, fine to med. grained w/mica & glauconite | | |
| | | | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| | | SM | | | | Sand, pale yellow, fine to med. grained, silty w/mica | | |

*Continued Next Page*



F:\2000\0700\024\INT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT Coliseum Blvd. Plume

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #29<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/15/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | & glauconite | | |
| | | CL | | | | Clay (~2"), light gray (5Y 7/2), sandy | | |
| | | | | | | Sand, pale yellow, fine to med. grained, silty w/mica & glauconite | | |
| 45 | | | | | | Pale yellow (5Y 7/3) & yellow (10YR 7/8) | | |
| | | | | | | Yellow | | |
| | | | | | | Pale yellow & reddish-yellow (7.5YR 6/8) | | |
| 50 | | SM | | | | Sand, pale yellow, yellow (10YR 7/8), reddish-yellow & black (10YR 2/1), fine to coarse grained, w/mica & glauconite | | |
| 55 | | | | | | | | |
| | | SC | | | | Interbedded w/clay lenses | | |
| | | CL | | | | Clay (~1½"), light gray (5Y 7/2), sandy | | |
| 60 | | SC | | | | Sand, reddish-yellow & pale yellow, fine grained, clayey w/mica | | |
| | | CL | | | | Clay, light gray (5Y 7/2), sandy | | |
| | | | | | | BORING TERMINATED AT 62.5 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\024\ENT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

TTL Technology and Tradition

# MAYNARD, COOPER & GALE
# COLISEUM BLVD. PLUME

## LOG OF PROBEHOLE Location #30 & CONSTRUCTION

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | D. Carroll |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/15/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | D. Mick | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 5410 | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *East Park Ave. | GROUND ELEVATION | 213.19 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 | | | 0, 0, 0, 0, 0, 0 | Asphalt<br>Clay, red (2.5YR 4/6), sandy | | |
| 5 | | SC | | | 0, 0, 0, 0, 0 | Sand, red, strong brown (7.5YR 5/8), fine to med. grained, clayey<br>Red, strong brown, dark yellowish-brown (10YR 4/6) | | |
| 10 | | SM | | | 0, 0 | Sand, brownish-yellow (10YR 6/8), very pale brown (10YR 8/3), fine to very coarse grained | | |
| 15 | | SP SM | | | 0, 0, 0, 0, 0, 0, 0 | Sand, brownish-yellow, very pale brown, fine to very coarse grained w/approx. 30% fine to very coarse gravel w/traces of glauconite<br>Yellowish-brown (10YR 5/8)<br>Sand, yellowish-brown, light olive brown (2.5Y 5/6), fine to coarse grained w/approx. 30% fine to very coarse gravel w/traces of glauconite | | |
| 20 | | SM | | | 0, 0, 0, 0, 0 | Sand, pale yellow (2.5Y 7/6), light olive brown, fine to med. grained w/mica & glauconite | | |
| 25 | | SP SM | | | | Sand, pale yellow, brownish-yellow, fine to very coarse grained w/approx. 40% fine to very coarse gravel | | |
| | | SM | | | | Sand, reddish-yellow (7.5YR 6/8), yellow (10YR 7/8), very pale brown (10YR 8/3), fine to med. grained, silty w/mica & glauconite | | |

*Continued Next Page*



Coliseum Blvd. Plume
F:\2000\0700\02\ UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #30<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | D. Carroll |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/15/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | SC<br>SM | | | | Silty, clayey | | |
| | | CL | | | | Clay lense (~¼"), light olive gray (5Y 6/2) | | |
| | | SC | | | | Sand, reddish-yellow, yellow, very pale brown | | |
| | | CL | | | | Clay lense (~¼"), light olive gray (5Y 6/2) | | |
| | | SC<br>SM | | | | Sand, reddish-yellow, yellow, very pale brown, fine to med. grained, silty, clayey w/mica & glauconite | | |
| 35 | | | | | | Sand, reddish-yellow, yellow, very pale brown, fine to med. grained, silty, w/mica & glauconite | | |
| | | SM | | | | Sand, very pale brown (10YR 8/3) (10YR 8/4), fine to med. grained w/mica & glauconite | | |
| 40 | | | | | | | | |
| | | | | | | Sand, yellowish-brown, yellowish-red, very pale brown, fine to med. grained w/mica & glauconite | | |
| | | SC | | | | Sand, yellowish-brown, yellowish-red, dark brown (7.5YR 3/4), fine to coarse grained, clayey | | |
| | | CL | | | | Clay, dark grayish-brown (10YR 4/2), gray (10YR 6/1) | | |

BORING TERMINATED AT 44.5 FEET.

Coliseum Blvd. Plume
F:\2000\0700\02...NT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #31<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/18/2002 - 01/22/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | J.Kalvig/C.Sturgeon | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Chisholm St. | GROUND ELEVATION | 214.08 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0 | Asphalt | | |
| | | CL | | | 0 | Clay, reddish-brown (5YR 4/4), red (7.5YR 4/6) & brownish-yellow (10YR 6/8), sandy | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 5 | | | | | 0 | | | |
| | | | | | 0 | Red, brownish-yellow & light gray (5Y 7/2) | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 16 | | | |
| 10 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | SM | | | 0 | Sand, dark yellowish-brown (10YR 4/6), fine to med. grained, w/mica | | |
| | | | | | 0 | | | |
| | | CL | | | 20.5 | Clay, light gray & dark yellowish-brown, sandy | | |
| 15 | | SM | | | 863 | Sand, very pale brown (10YR 8/3), fine to med. grained, w/mica | | |
| | | CL | | | 0 | Clay, light gray & dark yellowish-brown, sandy | | |
| | | | | | 0 | Sand, very pale brown & olive yellow (2.5Y 6/6), fine to med. grained w/mica | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| 20 | | SM | | | 0 | | | |
| | | | | | 0 | | | |
| 25 | | SP SW | | | | Sand, very pale brown & olive yellow, fine to very coarse grained, w/approx. 40% fine to very coarse gravel | | |
| | | | | | | Sand, very pale brown, yellowish-brown (10YR 6/8) & olive yellow, fine to med. grained w/mica & glauconite, silty | | |
| 30 | | | | | | | | |
| | | | | | | Sand, very pale brown, yellowish-brown & olive | | |

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F:\2000\0700\024\usINT UPDATES\PH34_52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT Coliseum Blvd. Plume

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #31<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/18/2002 - 01/22/2002 |

*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 | | | | yellow, fine to med. grained w/mica & glauconite | | |
| 40 | | | | | | Silty | | |
| 45 | | | | | | Sand, very pale brown & yellowish-brown, fine to coarse grained w/mica & glauconite | | |
| 50 | | CL | | | | Clay, yellowish-brown & light gray, sandy | | |
| | | | | | | BORING TERMINATED AT 51 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\02-...\UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #32<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/21/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | J.Kalvig/C.Sturgeon | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *ALDOT Parking Lot (East of District Engineering Office) | GROUND ELEVATION | 221.87 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 |
|---|---|---|---|---|---|---|---|---|
| | | SP | | | | Asphalt | | |
| | | | | | | Sand, strong brown (7.5YR 5/6), fine to coarse grained w/approx. 20% fine to coarse gravel | | |
| | | | | | | Clay, red (2.5YR 4/6), sandy w/approx. 20% fine to coarse gravel | | |
| | | | | | | Clay, yellowish-brown (10YR 5/6), sandy | | |
| | | | | | | Clay, red & yellowish-brown, sandy, stiff | | |
| 5 | | CL | | | | | | |
| 10 | | | | | | | | |
| | | SC | | | | Sand, red & yellowish-brown, fine to med. grained, clayey w/mica | | |
| | | SM | | | | Sand, yellowish-red (5YR 5/8), fine to med. grained w/mica | | |
| 15 | | CL | | | | Clay, red & yellowish-brown, sandy w/mica | | |
| | | SM | | | | Sand, yellowish-red (5YR 5/8) & brownish-yellow (10YR 6/8), fine to med. grained w/mica | | |
| 20 | | | | | | Sand, pale yellow (2.5Y 8/2) & yellow (10YR 7/8), fine to very coarse grained w/approx. 20% fine to very coarse gravel | | |
| | | | | | | 5% gravel | | |
| | | | | | | 40% gravel; brownish-yellow (10YR 6/8) | | |
| 25 | | SP SM | | | | | | |
| 30 | | | | | | | | |
| | | SM | | | | Sand, pale yellow, fine to med. grained, silty w/mica & glauconite | | |

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Coliseum Blvd. Plume
F:\2000\0700\024\...T UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #32<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/21/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | CL | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| | | SM | | | | Sand, pale yellow, fine to med. grained, silty w/mica & glauconite | | |
| | | CL | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| | | SP | | | | Sand, pale yellow, fine to very coarse grained w/approx. 30% fine to very coarse gravel, w/mica & glauconite, clayey | | |
| | | CL | | | | Clay lense (~¼"), light gray (5Y 7/2), sandy | | |
| 40 | | | | | | Sand, pale yellow & brownish-yellow (10YR 6/8), fine to med. grained, w/mica & glauconite | | |
| | | SM | | | | Silty | | |
| 45 | | CL | | | | Clay lense (~½"), light gray (5Y 7/2), sandy | | |
| | | | | | | Sand, pale yellow & brownish-yellow (10YR 6/8), fine to med. grained, silty w/mica & glauconite | | |
| 50 | | SM | | | | | | |
| 55 | | CL | | | | Clay lense (~1"), light gray (5Y 7/2), sandy | | |
| | | | | | | Sand, pale yellow (5Y 7/3), fine to coarse grained w/mica & glauconite | | |
| | | | | | | Yellow (10YR 7/8) | | |
| 60 | | SM | | | | | | |
| | | | | | | Sand, pale yellow (5Y 7/3), fine to med. grained w/mica & glauconite | | |
| 65 | | SC | | | | Sand, strong brown (7.5YR 5/6), brownish-yellow (10YR 6/8), & light gray, fine grained w/mica & glauconite, clayey | | |
| | | CL | | | | Clay, light gray & very dark gray (5Y 3/1), sandy | | |
| | | | | | | BORING TERMINATED AT 66 FEET. | | |

Coliseum Blvd. Plume
F:\2000\07000\... NT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #33<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/22/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | C.Sturgeon | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *East Park St. | GROUND ELEVATION | 211.50 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Asphalt | | |
| | | SC | | | | Sand, yellowish-red (5YR 5/8), fine to med. grained, clayey | | |
| | | CL | | | | Clay, red (2.5YR 5/8), sandy | | |
| 5 | | SC | | | | Sand, reddish-yellow (7.5YR 6/8), fine to med. grained, clayey | | |
| | | SM | | | | Sand, pale yellow (2.5Y 8/2), fine to coarse grained | | |
| 10 | | | | | | | | |
| | | SP SM | | | | Sand, brownish-yellow (10YR 6/8), fine to very coarse grained w/approx. 40% fine to very coarse gravel | | |
| 15 | | | | | | Yellowish-brown (10YR 5/8) | | |
| | | | | | | Yellow (10YR 7/8) | | |
| 20 | | | | | | | | |
| | | SC | | | | Sand, white (2.5Y 8/1), fine to very coarse grained w/approx. 50% fine to very coarse gravel, clayey | | |
| 25 | | SM | | | | Sand, pale yellow (5Y 7/3), reddish-yellow (7.5YR 6/8) & yellow (10YR 7/8), fine to med. grained w/mica & glauconite | | |
| 30 | | | | | | Silty | | |
| | | | | | | Sand, pale yellow, reddish-yellow & yellow, fine to med. grained w/mica & glauconite | | |

*Continued Next Page*



Coliseum Blvd. Plume
F:\2000\0700\02-...NT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #33<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/22/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| 40 | | SM | | | | Olive yellow (2.5Y 6/6) | | |
| | | | | | | Sand, olive yellow, fine to coarse grained w/mica & glauconite | | |
| 45 | | CL | | | | Ferruginous<br>Clay, light gray (5Y 7/2), sandy | | |
| | | | | | | BORING TERMINATED AT 46 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\02-...T UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #34<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/23/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | C.Sturgeon | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Keating Dr. | GROUND ELEVATION | 204.54 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<br>Sand, red (2.5YR 5/8), fine to very coarse grained w/approx. 20% fine to coarse gravel, clayey | | |
| 5<br>10 | | CL | | | | Clay, light gray (5Y 7/2), red (2.5YR 5/8) & brownish-yellow (10YR 6/8), sandy, stiff | | |
| | | SC | | | | Sand, light gray, fine to med. grained, clayey<br>Brownish-yellow | | |
| 15 | | SM | | | | Sand, brownish-yellow, fine to very coarse grained | | |
| 20 | | SP SM | | | | Sand, brownish-yellow & olive yellow (2.5Y 6/4), fine to very coarse grained w/approx. 40% fine to coarse gravel<br>Sand, olive yellow (2.5Y 6/8), fine to very coarse gravel w/approx. 50% fine to coarse gravel | | |
| 25<br>30 | | | | | | Sand, brownish-yellow (10YR 6/8), fine to very coarse grained w/fine to very coarse gravel | | |

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Coliseum Blvd. Plume
F:\2000\0700\024\...\UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #34<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/23/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | SC | | | | Sand, light gray & brownish-yellow, silty/clayey, w/mica & glauconite | | |
| 40 | | SM | | | | Sand, light gray & brownish-yellow, fine grained, silty w/mica & glauconite | | |
| 45 | | SC | | | | Sand, light gray & brownish-yellow, fine to coarse grained, clayey | | |
| 50 | | CL<br>ML | | | | Clay, greenish-gray (Gley 1 6/1-56Y), silty | | |
| | | | | | | BORING TERMINATED AT 50.5 FEET. | | |

Coliseum Blvd. Plume

F:\2000\0700\0... UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #35<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/25/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | C.Sturgeon | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Chelsea St. | GROUND ELEVATION | 211.03 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Asphalt | | |
| | | CL | | | | Clay, red (2.5YR 4/6), sandy | | |
| 5 | | | | | | Red, strong brown (7.5YR 5/8) & light gray (5Y 7/2), stiff | | |
| 10 | | SC | | | | Sand, red, strong brown & light gray, fine to coarse grained w/approx. 20% fine to very coarse gravel, clayey | | |
| | | SM | | | | Sand, strong brown, fine to med. grained | | |
| 15 | | | | | | | | |
| 20 | | SP SM | | | | Sand, strong brown, fine to very coarse grained w/approx. 30% fine to coarse gravel | | |
| 25 | | | | | | Sand, pale yellow (5Y 8/3), fine to very coarse grained w/approx. 50% fine to coarse gravel | | |
| | | CL | | | | Clay lense, ~4" thick, light gray (5Y 7/2), w/gravel | | |
| | | SP SM | | | | Sand, pale yellow (5Y 8/3), fine to very coarse grained w/approx 50% fine to coarse gravel | | |
| 30 | | CL | | | | Clay lense, ~2" thick, light gray (5Y 7/2), sandy | | |
| | | SP SM | | | | Sand, pale yellow, fine to very coarse grained w/approx. 50% fine to coarse gravel | | |
| | | SM | | | | Sand, reddish-yellow (7.5YR 6/8), fine to med. grained, silty | | |

*Continued Next Page*



Coliseum Blvd. Plume
F:\2000\0700\024\NT UPDATES\PH34 52.GPJ 2/20/02 Report:TTL WELL LOG Template:TTLENV.GDT

| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #35<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/25/2002 |

*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 | | | | | | |
| | | | | | | Sand, pale yellow, fine to med. grained w/mica & glauconite | | |
| 45 | | SP | | | | Sand, pale yellow, fine to coarse grained w/approx. 20% fine to coarse gravel w/mica & glauconite | | |
| | | CL | | | | Clay, brownish-yellow, sandy, w/mica | | |
| | | SC | | | | Sand, pale yellow, fine to med. grained, clayey, w/mica & glauconite | | |
| 50 | | | | | | BORING TERMINATED AT 50 FEET. | | |

Coliseum Blvd. Plume
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| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #36<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/24/2002 |
| DRILLING COMPANY | Plains Env. Services | CASING DIA./TYPE | |
| DRILLER | C.Sturgeon | SCREEN SLOT/TYPE | |
| DRILLING METHOD | Geoprobe 66DT | FILTER PACK TYPE | |
| | | TOP OF CASING | Ft. AMSL |
| REMARKS | *Gardendale St. | GROUND ELEVATION | 213.65 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Asphalt | | |
| | | CL | | | | Clay, red (2.5YR 5/8), strong brown (7.5YR 5/8) & light gray (5Y 7/2), sandy, stiff | | |
| 5 | | | | | | | | |
| | | SC | | | | Sand, reddish-yellow (7.5YR 6/8), fine to med. grained, clayey w/mica | | |
| 10 | | | | | | | | |
| | | SM | | | | Sand, yellow (10YR 7/8) & pale yellow (2.5Y 8/3), fine to med. grained w/mica | | |
| 15 | | | | | | | | |
| | | SP SM | | | | Sand, light yellowish-brown (2.5Y 6/4), fine to very coarse grained, w/approx. 40% fine to coarse gravel | | |
| 20 | | | | | | | | |
| | | | | | | Approx. 5% gravel | | |
| 25 | | | | | | | | |
| | | SM | | | | Sand, pale yellow (5Y 7/3) & reddish-yellow, fine to med. grained w/mica & glauconite | | |
| 30 | | | | | | | | |

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Coliseum Blvd. Plume
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| TTL Technology and Tradition | MAYNARD, COOPER & GALE<br>COLISEUM BLVD. PLUME | LOG OF PROBEHOLE<br>Location #36<br>&<br>CONSTRUCTION |
|---|---|---|

| | | | |
|---|---|---|---|
| PROJECT NUMBER | 0700-024 | GEOLOGIST | C. Krafcheck |
| LOCATION | Montgomery, AL* | DATE(S) DRILLED | 01/24/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Sand, olive yellow (2.5Y 6/6), fine to coarse grained w/mica & glauconite | | |
| | | | | | | Silty | | |
| 40 | | SM | | | | Sand, pale yellow (5Y 7/3), fine to med. grained w/mica & glauconite | | |
| 45 | | | | | | | | |
| 50 | | | | | | Yellowish-red (5YR 4/6) | | |
| | | SC | | | | Sand, pale yellow, fine grained, silty/clayey w/mica | | |
| 55 | | SM | | | | Sand, reddish-yellow, fine to med. grained, w/mica | | |
| 60 | | CL<br>ML | | | | Clay, greenish-gray (Gley 1 5/1-5G), silty | | |
| | | | | | | BORING TERMINATED AT 62 FEET. | | |

Coliseum Blvd. Plume
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# EXPLORATORY BORING LOGS

# TTL, Inc.

PRACTICING IN THE GEOSCIENCES
Tuscaloosa - Montgomery - Florence

**MAYNARD, COOPER & GALE**
**COLISEUM BLVD. PLUME**

**LOG OF BORING DZ1 & CONSTRUCTION**

| | | | |
|---|---|---|---|
| **PROJECT NUMBER** | 0700-024 | **GEOLOGIST** | S. Grammas |
| **LOCATION** | Montgomery, AL* | **DATE(S) DRILLED** | 01/23/2002 |
| **DRILLING COMPANY** | Miller Drilling Co., Inc. | **CASING DIA./TYPE** | 2" PVC |
| **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** | Ft. AMSL |
| **REMARKS** | *Christian Laboratories | **GROUND ELEVATION** | 212.00 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 |
|---|---|---|---|---|---|---|---|---|
| | | SM | | | 0 | Sand, brown (7.5YR 4/4), fine grained, silty w/gravel | | Well Cover |
| 5 | | CL | | | 0 | 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) | | |
| | | GW | | | | Gravel, fine to coarse | | |
| 25 | | 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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Coliseum Blvd. Plume
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# TTL, Inc.

PRACTICING IN THE GEOSCIENCES
Tuscaloosa - Montgomery - Florence

**MAYNARD, COOPER & GALE**
**COLISEUM BLVD. PLUME**

**LOG OF BORING DZ1 & CONSTRUCTION**

**PROJECT NUMBER** 0700-024 **GEOLOGIST** S. Grammas
**LOCATION** Montgomery, AL* **DATE(S) DRILLED** 01/23/2002

*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 | | | |
| | | SM | | | 2.2 | Sand, pale yellow & yellow (2.5Y 8/6), fine to med. grained, silty w/mica & glauconite | | |
| | | | | | 2.0 | | | |
| | | | | | 0 | Sand, pale yellow (5Y 8/2) & brownish-yellow (10YR 6/8), fine to med. grained, silty & clayey | | |
| 40 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | SM SC | | | 0 | | | |
| 45 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 1.2 | | | |
| | | | | | 0 | Sand, light yellowish-brown (2.5 6/3) & brownish-yellow, fine to med. grained, clayey w/mica & glauconite | | |
| 50 | | | | | 0 | | | |
| | | SC | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, pale yellow & brownish-yellow, fine to med. grained, silty w/mica & glauconite | | |
| 55 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Sand, brownish-yellow, fine to coarse grained, w/mica & glauconite | | |
| | | | | | 0 | | | |
| 60 | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | | Light olive brown (2.5Y 5/3) & black (2.5/1), fine to very coarse grained | | |
| 65 | | SM | | | | | | |
| | | | | | | Light olive brown & brownish-yellow, fine to coarse grained, w/mica & glauconite | | |
| 70 | | | | | | | | |
| | | | | | | Light olive brown, brownish-yellow & black, fine to coarse grained, w/mica & glauconite | | |

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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 BORING DZ1 & CONSTRUCTION**

| | | | |
|---|---|---|---|
| **PROJECT NUMBER** | 0700-024 | **GEOLOGIST** | S. Grammas |
| **LOCATION** | Montgomery, AL* | **DATE(S) DRILLED** | 01/23/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Light olive brown & brownish-yellow, fine to coarse grained w/mica & glauconite | | |
| | | SC | | | | Ferruginous 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 | | |
| | | | | | | Clay, pale yellow (5Y 7/3) & brownish-yellow (10YR 6/8), silty w/mica | | |
| | | | | | | Clay, brownish-yellow, laminated w/silt | | |
| | | ML | | | | Silt, white (5Y 8/1), slightly sandy w/mica, dense | | |
| 85 | | | | | | Olive yellow (5Y 6/6) & brownish-yellow, w/mica & glauconite, slightly sandy | | |
| | | CL | | | | Clay, light yellowish-brown (2.5Y 6/4), laminated w/light greenish-gray silt, micaceous | | |
| | | ML | | | | Silt, greenish-gray & olive (5Y 5/6), clayey & sandy w/mica & glauconite, dense | | |
| 90 | | SC | | | | Sand, light olive gray (5Y 6/2) & brownish-yellow, fine to med. grained, silty & clayey w/mica & glauconite | | |
| 95 | | CL | | | | Clay, brownish-yellow & light gray, sandy w/mica | | |
| | | | | | | Reddish-brown (2.5YR 5/4) & greenish gray (10Y 6/1), mottled, silty w/mica (top of Gordo Formation) | | |
| | | | | | | BORING TERMINATED AT 99 FEET. | | |

Coliseum Blvd. Plume
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# TTL, Inc.

PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

**MAYNARD, COOPER & GALE**
**COLISEUM BLVD. PLUME**

**LOG OF BORING DZ2 & CONSTRUCTION**

| | | | |
|---|---|---|---|
| **PROJECT NUMBER** | 0700-024 | **GEOLOGIST** | S. Grammas |
| **LOCATION** | Montgomery, AL* | **DATE(S) DRILLED** | 01/22/2002 |
| **DRILLING COMPANY** | Miller Drilling Co., Inc. | **CASING DIA./TYPE** | 2" PVC |
| **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** | Ft. AMSL |
| **REMARKS** | *Coliseum Blvd. | **GROUND ELEVATION** | 203.23 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 |
|---|---|---|---|---|---|---|---|---|
| | | ML | | | 0 | Silt, yellowish-brown (10YR 5/6), sandy w/organics | | |
| | | CL | | | 0 0 0 0 0 0 0 0 0 | Clay, yellowish-brown (10YR 5/8), red (2.5YR 5/3) & light gray (2.5Y 7/1), sandy w/mica | | |
| 5 | | | | | | Red & light gray, more sandy w/mica | | |
| 10 | | SC | | | 0.7 0 0 0 | Sand, reddish-yellow (7.5YR 6/8), red & light gray, fine to med. grained, clayey | | |
| 15 | | SP SM | | | 0 0 0 0 0 0 0 0 0 | Sand, brownish-yellow (10YR 6/8), fine to very coarse grained, w/approx. 15% fine to coarse gravel<br>Sand, brownish-yellow & pale yellow (2.5Y 8/2), fine to coarse grained w/mica & glauconite<br>Sand, brownish-yellow & pale yellow, fine to very coarse grained w/approx. 40% fine to coarse gravel<br>Clay lense (~2" thick), yellow (2.5Y 8/6) & light gray, silty | | |
| 20 | | CL | | | 0 0 0 0 0 0 0 0 0 0 0 0 | Clay, olive yellow (2.5Y 6/8), silty<br>Olive yellow, red & light gray, micaceous, silty<br>Reddish-brown (5YR 5/4), light gray & greenish-gray, silty, micaceous<br>Brown (7.5YR 5/4) & greenish-gray, mottled, silty, micaceous (top of Gordo Formation) | | |
| 25 | | | | | | | | |
| 30 | | | | | | | | |
| | | | | | | BORING TERMINATED AT 34 FEET. | | |

Coliseum Blvd. Plume

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# TTL, Inc.

PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

**MAYNARD, COOPER & GALE**
**COLISEUM BLVD. PLUME**

**LOG OF BORING DZ3 & CONSTRUCTION**

| | | | |
|---|---|---|---|
| **PROJECT NUMBER** | 0700-024 | **GEOLOGIST** | S. Grammas |
| **LOCATION** | Montgomery, AL* | **DATE(S) DRILLED** | 01/25/2002 |
| **DRILLING COMPANY** | Miller Drilling Co., Inc. | **CASING DIA./TYPE** | 2" PVC |
| **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** | Ft. AMSL |
| **REMARKS** | *Newell Parkway at MW212 & MW112 | **GROUND ELEVATION** | 220.64 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Asphalt | | Well Cover |
| | | CL | | | | Clay, red (2.5YR 4/6), sandy | | |
| 5 | | | | | | | | |
| | | ML | | | | Silt, red, sandy | | |
| 10 | | | | | | | | |
| | | SM | | | | Sand, red (2.5YR 5/6), fine grained, silty w/mica | | |
| | | SP SM | | | | Sand, brownish-yellow (10YR 5/8), fine to very coarse grained w/approx. 5% fine to coarse gravel | | |
| 15 | | | | | | | | |
| | | | | | | w/approx. 40% fine to coarse gravel | | |
| 20 | | | | | | (Approx. 50% recovery from 19-29 ft. interval) | | |
| 25 | | | | | | | | |
| 30 | | | | | | | | |
| | | | | | | Sand, brownish-yellow & yellow (2.5Y 7/6), fine to med. grained, clayey & silty w/mica | | |

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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 BORING DZ3 & CONSTRUCTION**

| | | | |
|---|---|---|---|
| **PROJECT NUMBER** | 0700-024 | **GEOLOGIST** | S. Grammas |
| **LOCATION** | Montgomery, AL* | **DATE(S) DRILLED** | 01/25/2002 |

*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 | | SC SM | | | | | | |
| 45 | | SM | | | | Sand, brownish-yellow & pale yellow, fine to coarse grained w/mica & glauconite | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | Brownish-yellow (10YR 6/8), fine to coarse grained w/mica & glauconite | | |
| 65 | | | | | | | | |
| 70 | | CL | | | | Ferruginous Clay, brownish-yellow (10YR 6/8) & light gray (2.5Y 7/1), sandy, w/mica | | |
| | | | | | | Light gray & olive yellow (5Y 6/6), w/silt & sand lenses | | |

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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 BORING DZ3 & CONSTRUCTION**

| | | | |
|---|---|---|---|
| **PROJECT NUMBER** | 0700-024 | **GEOLOGIST** | S. Grammas |
| **LOCATION** | Montgomery, AL* | **DATE(S) DRILLED** | 01/25/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Sand, light gray & pale yellow (5Y 7/4), clayey, dense, w/mica & glauconite | | |
| 80 | | SC | | | | Light gray & brownish-yellow (10YR 6/8), fine to med. grained, clayey w/mica & glauconite | | |
| 85 | | | | | | | | |
| | | | | | | Clay, reddish-brown & brownish-yellow, silty | | |
| | | CL | | | | Reddish-brown (2.5YR 5/3), greenish-gray (5G 6/1) & pale yellow (5Y 7/3), mottled, silty (top of Gordo Formation) | | |
| | | | | | | BORING TERMINATED AT 89 FEET. | | |

Coliseum Blvd. Plume
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# TTL, Inc.

PRACTICING IN THE GEOSCIENCES
Tuscaloosa - Montgomery - Florence

**MAYNARD, COOPER & GALE**
**COLISEUM BLVD. PLUME**

**LOG OF BORING DZ4 & CONSTRUCTION**

| | | | |
|---|---|---|---|
| **PROJECT NUMBER** | 0700-024 | **GEOLOGIST** | S. Grammas |
| **LOCATION** | Montgomery, AL* | **DATE(S) DRILLED** | 01/22/2002 |
| **DRILLING COMPANY** | Miller Drilling Co., Inc. | **CASING DIA./TYPE** | 2" PVC |
| **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** | Ft. AMSL |
| **REMARKS** | *Emory Folmar Blvd. at MW116 & MW216 | **GROUND ELEVATION** | 194.47 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0 | Asphalt | | Well Cover |
| | | SC | | | 0 | Sand, dark reddish-brown (5YR 3/4)fine to med. grained, w/occ. gravel, clayey | | |
| 5 | | SM | | | 0 | Sand, yellowish-brown (10YR 5/8), fine to very coarse gravel w/approx. 25% fine gravel | | |
| | | SC | | | 0 | Sand, yellowish-red (5YR 5/8), fine to med. grained, clayey<br>(Approx. 50% recovery at 0-9 ft. interval) | | |
| 10 | | CL | | | 0 | Clay, yellowish-red (5Y 5/6) & brownish-yellow (10YR 6/6), sandy | | |
| | | SM | | | 0 | Sand, olive yellow (2.5Y 6/6), fine to coarse grained w/mica & glauconite<br>Wood debris | | |
| 15 | | SP<br>SM | | | 0 | Sand, gray (2.5Y 5/1), fine to very coarse grained w/approx. 40% fine to coarse gravel | | |
| | | SM<br>SP<br>SM<br>SC | | | 0 | Sand, greenish-gray (10Y 7/1), fine to med. grained, w/mica & glauconite<br>Sand, pale yellow (5Y 7/3), fine to very coarse grained w/approx. 15% fine to coarse gravel | | |
| 20 | | | | | 0 | Sand, light greenish-gray (10Y 8/1), fine to med. grained, clayey w/mica & glauconite<br>Sand, light greenish-gray, fine to med. grained w/mica & glauconite, silty<br>(Approx. 50% recovery at 19-29 ft. interval) | | |
| 25 | | SM | | | 0 | Pale yellow (5Y 7/3) & olive yellow (2.5Y 6/6), fine to med. grained, w/mica & glauconite, silty | | |
| 30 | | | | | 0 | | | |

*Continued Next Page*



Coliseum Blvd. Plume
F:\2000\0700\02\ALNT UPDATES\PH34 52.GPJ 2/25/02 Report:MCG WELL LOG Template:TTLENV.GDT

# TTL, Inc.

PRACTICING IN THE GEOSCIENCES

Tuscaloosa - Montgomery - Florence

**MAYNARD, COOPER & GALE**
**COLISEUM BLVD. PLUME**

**LOG OF BORING DZ4 & CONSTRUCTION**

| | | | |
|---|---|---|---|
| **PROJECT NUMBER** | 0700-024 | **GEOLOGIST** | S. Grammas |
| **LOCATION** | Montgomery, AL* | **DATE(S) DRILLED** | 01/22/2002 |

*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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | Clay, olive yellow (2.5Y 6/6), silty | | |
| 40 | | CL | | | 0 | Yellow (2.5Y 7/8), light gray (2.5Y 7/1) & yellowish-brown (10YR 5/6), sandy w/mica | | |
| | | | | | 0 | | | |
| | | SC | | | | Sand, light yellowish-brown, fine to coarse grained, very clayey, dense | | |
| | | CL | | | 0 | Clay, light yellowish-brown & light gray, sandy | | |
| | | SC | | | 0 | Sand, light yellowish-brown & olive yellow, fine to coarse grained, very clayey, dense | | |
| | | | | | 0 | Clay, olive yellow & light yellowish-brown, silty | | |
| 45 | | CL | | | 0 | Light yellowish-brown (2.5Y 6/3) & light gray (2.5Y 7/3), sandy | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | ML | | | 0 | Silt/clay, light greenish-gray (5BG 7/1), w/mica & glauconite | | |
| | | CL | | | 0 | | | |
| 50 | | | | | 0 | Clay, greenish-gray (5BG 5/3) & olive brown (2.5Y 4/3), sandy | | |
| | | CL | | | 0 | | | |
| | | | | | 0 | | | |
| | | | | | 0 | | | |
| | | SC | | | 0 | Sand, greenish-gray, fine grained, w/mica & glauconite, clayey, dense | | |
| 55 | | | | | 0 | Clay, reddish-brown (5YR 5/3) & greenish-gray, mottled, silty (top of Gordo Formation) | | |
| | | CL | | | | | | |
| 60 | | | | | | | | |
| | | | | | | BORING TERMINATED AT 64 FEET. | | |

Coliseum Blvd. Plume
F:\2000\0700\02-...NT UPDATES\PH34_52.GPJ 2/25/02 Report:MCG WELL LOG Template:TTLENV.GDT

# ATTACHMENT B
# ANALYTICAL RESULTS
# (Refer to GIS Database)

# ATTACHMENT C
# WELL DEVELOPMENT FORMS
# and
# WELL SAMPLING FORMS

# MONITORING WELL DEVELOPMENT FORMS

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/14/2002  Well No.: 104  Depth to Water: 23.13 ft

Total Depth of Well: 31 ft  Screen Interval: 21.5-30.5 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) |
|---|---|---|---|---|---|---|
| 9:30 AM | 21.89 | 82.0 | 5.55 | >440 | | |
| 9:40 AM* | 22.35 | 57.0 | 4.84 | >440 | | |
| 9:55 AM | 22.17 | 65.0 | 5.12 | >440 | | |
| 10:05 AM | 22.57 | 62.0 | 4.91 | >440 | | |
| 10:15 AM | 22.57 | 56.0 | 4.74 | 33 | | |
| 10:25 AM | 22.65 | 55.0 | 4.65 | 14 | | |
| 10:35 AM | 22.56 | 54.0 | 4.63 | 8.4 | | |
| 10:45 AM | 22.61 | 54.0 | 4.63 | 6.3 | | |
| 10:55 AM | 22.63 | 54.0 | 4.63 | 4.5 | | |
| 11:05 AM | 22.57 | 54.0 | 4.64 | 3.8 | | |
| 11:15 AM | 22.64 | 54.0 | 4.63 | 3.7 | | |
| 11:25 AM | 22.60 | 54.0 | 4.64 | 3.9 | | 115 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 11:05 AM |

Comments: From 9:45 am to 9:55 am Air escaping into well. Replaced O-ring.

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/28/2002 Well No.: 214 Depth to Water: 5.47 ft

Total Depth of Well: 10 ft Screen Interval: 3-7 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) |
|---|---|---|---|---|---|---|
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Well dry after only a few seconds of pumping. 1:30 pm monitoring recovery. Went from 10 ft. to 9.1 ft. between 1:30 and 1:50 pm. Started pump again at lowest settings. Still went dry.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/09/2002 | Well No.: 214A | Depth to Water: | 8.42 ft |
| Total Depth of Well: | 19 ft | Screen Interval: | 9.5-18.5 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:28 AM | 17.13 | 85.5 | 7.85 | >440 | 45 | |
| 9:38 AM | 17.39 | 82.3 | 4.96 | >440 | 45 | |
| 9:48 AM | 17.42 | 80.9 | 4.89 | >440 | 45 | |
| 9:58 AM | 17.40 | 79.6 | 4.80 | >440 | 45 | |
| 10:08 AM | 17.42 | 78.6 | 4.75 | >440 | 45 | |
| 10:18 AM | 17.46 | 78.2 | 4.68 | >440 | 45 | |
| 10:28 AM | 17.52 | 78.0 | 4.66 | >440 | 45 | |
| 10:38 AM | 17.51 | 77.7 | 4.64 | 410 | 45 | |
| 10:48 AM | 17.46 | 77.6 | 4.65 | 168 | 45 | |
| 10:58 AM | 17.44 | 77.5 | 4.65 | 102 | 45 | |
| 11:08 AM | 17.44 | 77.4 | 4.69 | 80.4 | 45 | |
| 11:18 AM | 17.52 | 77.4 | 4.70 | 70.9 | 45 | |
| 11:28 AM | 17.52 | 77.5 | 4.74 | 63.8 | 45 | |
| 11:38 AM | 17.57 | 77.2 | 4.73 | 59.9 | 45 | |
| 11:48 AM | 17.52 | 77.1 | 4.75 | 51.8 | 45 | |
| 11:58 AM | 17.54 | 77.2 | 4.74 | 53.5 | 45 | |
| 12:08 PM | 17.57 | 77.1 | 4.74 | 54.3 | 45 | 280* |
| 1:38 PM | 17.59 | 77.8 | 4.79 | 132 | 45 | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:39 PM |

**Comments:** PVC Stickup 2.83 ft. *Shutdown from 12:10 - 1:30 pm to empty container. Collected Sample at 3:58 pm.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/09/2002 | Well No.: 214A | Depth to Water: | 8.42 ft |
| Total Depth of Well: | 19 ft | Screen Interval: | 9.5-18.5 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 1:48 PM | 17.62 | 76.8 | 4.71 | 56 | 45 | |
| 1:58 PM | 17.62 | 76.9 | 4.70 | 47 | 45 | |
| 2:08 PM | 17.64 | 77.0 | 4.68 | 42 | 45 | |
| 2:18 PM | 17.64 | 77.0 | 4.69 | 25 | 45 | |
| 2:28 PM | 17.64 | 76.9 | 4.68 | 23 | 45 | |
| 2:38 PM | 17.64 | 76.9 | 4.69 | 17 | 45 | |
| 2:48 PM | 17.62 | 77.0 | 4.68 | 15 | 45 | |
| 2:58 PM | 17.62 | 77.0 | 4.68 | 17 | 45 | |
| 3:08 PM | 17.62 | 76.9 | 4.68 | 21 | 45 | |
| 3:18 PM | 17.62 | 76.9 | 4.68 | 17 | 45 | |
| 3:28 PM | 17.62 | 76.8 | 4.68 | 15 | 45 | |
| 3:38 PM | 17.62 | 76.8 | 4.67 | 15 | 45 | |
| 3:48 PM | 17.62 | 76.8 | 4.67 | 15 | 45 | 545 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:39 PM |

Comments: PVC Stickup 2.83 ft. *Shutdown from 12:10 - 1:30 pm to empty container. Collected Sample at 3:58 pm.

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/02/2002  Well No.: 117  Depth to Water: 36.72 ft

Total Depth of Well: 44.0 ft  Screen Interval: 34.5 - 43.5 ft

Development Method: Pneumatic Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 12:14 PM | 17.39 | 1960 | 11.07 | >440 | 45 | |
| 12:24 PM | 17.76 | 1159 | 10.85 | 69 | | |
| 12:34 PM | 18.27 | 768 | 10.56 | 89 | | |
| 12:44 PM | 18.10 | 611 | 10.54 | 34 | | |
| 12:54 PM | 18.02 | 361 | 10.19 | 8.1 | 50 | |
| 1:04 PM | 17.98 | 362 | 10.17 | 72 | | |
| 1:14 PM | 18.08 | 337 | 10.10 | 36 | | |
| 1:24 PM | 18.00 | 298 | 9.94 | 11 | | |
| 1:34 PM | 18.00 | 266 | 9.71 | 8.8 | | |
| 1:44 PM | 18.04 | 267 | 9.68 | 8.9 | | |
| 1:54 PM | 18.11 | 255 | 9.58 | 8.6 | | |
| 2:04 PM | 18.06 | 254 | 9.57 | 8.5 | | |
| 2:14 PM | 18.14 | 250 | 9.52 | 8.6 | | 135 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 2:12 PM |

Comments:

# TTL, Inc.

## Monitoring Well Development

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

**Date:** 01/24/2002 **Well No.:** 117 **Depth to Water:** 37.12 ft

**Total Depth of Well:** 44 ft **Screen Interval:** 34.5 - 43.5 ft

**Development Method:** Pneumatic Pump

**Personnel:** Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 12:27 PM | 20.78 | 213 | 7.01 | 5.4 | 4 gpm | 50 |
| 12:37 PM | 20.46 | 183 | 7.00 | 2.3 | | 110 |
| 12:47 PM | 20.37 | 156 | 6.65 | 288* | | 160 |
| 12:57 PM | 20.37 | 146 | 6.37 | 0.6 | | 200 |
| 1:07 PM | 20.41 | 141 | 6.31 | 0.5 | | 240 |
| 1:17 PM | 20.41 | 135 | 6.21 | 0.4 | | 280 |
| 1:27 PM | 20.48 | 131 | 6.13 | 0.8 | 5 gpm | 330 |
| 1:37 PM | 20.32 | 118 | 6.00 | 0.7 | | 380 |
| 1:47 PM | 20.27 | 117 | 5.95 | 0.5 | | 440 |
| 1:57 PM | 20.22 | 110 | 5.88 | 0.5 | | 500 |
| 2:07 PM | 20.25 | 108 | 5.83 | 0.6 | | 550 |
| 2:17 PM | 20.24 | 108 | 5.86 | 0.6 | | 590 |
| 2:27 PM | 20.29 | 106 | 5.81 | 0.5 | | 630 |
| 2:37 PM | 20.69 | 102 | 5.77 | 0.5 | | 680 |
| 2:47 PM | 20.24 | 100 | 5.74 | 0.5 | | 730 |
| 3:41 PM** | 20.39 | 112 | 6.01 | 1.6 | | 760 |
| 3:51 PM | 20.25 | 102 | 5.84 | 0.7 | 6 gpm | 820 |
| 4:01 PM | 20.25 | 98.6 | 5.76 | 0.6 | | 880 |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 2:35 PM |

**Comments:** *Miller crew re-surged @ 12:43 pm. ** Shut down to unload containers.

[1] Adjusted electric control setting. Will have to go back and develop at a later date.

# TTL, Inc.

## Monitoring Well Development

| | | | | | |
|---|---|---|---|---|---|
| **Facility Name:** | **ALDOT/Coliseum Blvd Plume** | | | **Job No.:** | **0700-024** |
| **Date:** | **01/24/2002** | **Well No.:** | **117** | **Depth to Water:** | **37.12 ft** |
| **Total Depth of Well:** | | **44 ft** | | **Screen Interval:** | **34.5 - 43.5 ft** |
| **Development Method:** | | **Pneumatic Pump** | | | |
| **Personnel:** | **Steve Moore** | | | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 4:11 PM | 20.34 | 96.0 | 5.68 | 1.7 | 6 gpm | 940 |
| 4:21 PM | 20.24 | 95.3 | 5.69 | 1.9 | | 1,000 |
| 4:31 PM | 20.18 | 94.6 | 5.67 | 1.7 | | 1,050 |
| 4:41 PM | 20.34 | 99.4 | 5.70 | 1.9 | 3 gpm[1] | 1,090 |
| 4:51 PM | 20.08 | 101.3 | 5.72 | 0.6 | | 1,120 |
| 5:01 PM | 20.20 | 101.7 | 5.76 | 0.6 | | 1,150 |
| 5:11 PM | 20.10 | 106.2 | 5.77 | 0.5 | | 1,180 |
| 5:21 PM | 20.11 | 106.1 | 5.76 | 0.6 | | 1,210 |
| 5:31 PM | 20.10 | 105.2 | 5.73 | 0.6 | | 1,230 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 2:35 PM |

**Comments:** *Miller crew re-surged @ 12:43 pm. ** Shut down to unload containers.

[1] Adjusted electric control setting. Will have to go back and develop at a later date.

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/29/2002  Well No.: 117  Depth to Water: 37.25 ft

Total Depth of Well: 44 ft  Screen Interval: 34.5 - 43.5 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) |
|---|---|---|---|---|---|---|
| 10:35 AM | 19.63 | 213 | 9.06 | 40 | | |
| 10:45 AM | 19.58 | 186 | 7.53 | 2.1 | | |
| 10:55 AM | 19.59 | 185 | 7.17 | 0.5 | | |
| 11:05 AM | 19.58 | 167 | 6.93 | 0.2 | | |
| 11:15 AM | 19.62 | 160 | 6.75 | 0.0 | | |
| 11:25 AM | 19.62 | 158 | 6.61 | 0.0 | | |
| 11:35 AM | 19.62 | 152 | 6.54 | 0.0 | | |
| 11:45 AM | 19.64 | 151 | 6.47 | 0.0 | | |
| 11:55 AM | 19.64 | 150 | 6.41 | 0.0 | | |
| 12:05 PM | 19.61 | 146 | 6.38 | 0.0 | | |
| 12:15 PM | 19.63 | 143 | 6.36 | 0.0 | | |
| 12:25 PM | 19.63 | 142 | 6.34 | 0.0 | | |
| 12:35 PM | 19.65 | 143 | 6.31 | 0.0 | | |
| 12:45 PM | 19.67 | 139 | 6.29 | 0.0 | | |
| 12:55 PM | 19.77 | 135 | 6.26 | 0.0 | | |
| 1:05 PM | 19.70 | 133 | 6.21 | 0.0 | | |
| 1:15 PM | 19.68 | 134 | 6.20 | 0.0 | | |
| 1:25 PM | 19.68 | 131 | 6.18 | 0.0 | | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments:

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/29/2002  Well No.: 117  Depth to Water: 37.25 ft

Total Depth of Well: 44 ft  Screen Interval: 34.5 - 43.5 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) |
|---|---|---|---|---|---|---|
| 1:35 PM | 19.68 | 133 | 6.18 | 0.0 | | |
| 1:45 PM | 19.66 | 132 | 6.17 | 0.0 | | 200 |
| 2:35 PM | 19.77 | 132 | 6.36 | 0.0 | | |
| 2:45 PM | 19.70 | 143 | 6.31 | 0.0 | | |
| 2:55 PM | 19.67 | 142 | 6.23 | 0.0 | | |
| 3:05 PM | 19.66 | 137 | 6.19 | 0.0 | | |
| 3:15 PM | 19.66 | 131 | 6.18 | 0.0 | | |
| 3:25 PM | 19.63 | 133 | 6.16 | 0.0 | | |
| 3:35 PM | 19.63 | 132 | 6.16 | 0.0 | | |
| 3:45 PM | 19.62 | 130 | 6.14 | 0.0 | | |
| 3:55 PM | 19.58 | 126 | 6.11 | 0.0 | | |
| 4:05 PM | 19.57 | 123 | 6.12 | 0.0 | | 300 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments:

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/03/2002  Well No.: 123  Depth to Water: 22.3 ft

Total Depth of Well: 26 ft  Screen Interval: 16.5-25.5 ft

Development Method: Pneumatic Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 2:22 PM | 18.17 | 134 | 5.62 | >440 | 45 | |
| 2:32 PM | 20.76 | 88.2 | 5.11 | >440 | 40 | |
| 2:42 PM | 21.02 | 83.3 | 4.95 | 112 | 40 | |
| 2:52 PM | 20.51 | 79.1 | 4.81 | 18 | 40 | |
| 3:02 PM | 19.47 | 84.7 | 4.95 | 12 | 40 | |
| 3:12 PM | 20.20 | 80.6 | 4.79 | 1.0 | 40 | |
| 3:22 PM | 20.28 | 82.7 | 4.79 | 1.1 | 40 | |
| 3:32 PM | 20.14 | 83.8 | 4.88 | 2.8 | 40 | |
| 3:42 PM | 20.17 | 85.0 | 4.80 | 2.4 | 40 | |
| 3:52 PM | 20.37 | 85.3 | 4.79 | 2.3 | 40 | |
| 4:02 PM | 20.29 | 85.4 | 4.75 | 2.4 | 40 | 37 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:46 PM |

Comments: Slow recharge rate in well. Developed until readings stabilized.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/04/2002 | Well No.: 223 | Depth to Water: | 22.29 ft |
| Total Depth of Well: | 70 ft | Screen Interval: | 60.5-69.5 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:46 AM | 18.84 | 54.2 | 4.85 | 33 | 40 | |
| 9:56 AM | 19.09 | 56.5 | 4.76 | 37 | 50 | |
| 10:06 AM | 19.06 | 56.8 | 4.74 | 299 | 55 | |
| 10:16 AM | 19.02 | 56.8 | 4.62 | 115 | 55 | |
| 10:26 AM | 19.25 | 57.0 | 4.69 | 176 | 55 | |
| 10:36 AM | 19.20 | 56.9 | 4.68 | 98 | 55 | |
| 10:46 AM | 19.25 | 57.5 | 4.64 | 57 | 55 | |
| 10:56 AM | 19.33 | 56.9 | 4.62 | 20 | 55 | |
| 11:06 AM | 19.32 | 57.0 | 4.64 | 20 | 55 | |
| 11:16 AM | 19.23 | 57.0 | 4.63 | 17 | 55 | |
| 11:26 AM | 19.39 | 57.3 | 4.60 | 17 | 55 | |
| 11:36 AM | 19.27 | 57.5 | 4.62 | 18 | 50 | |
| 11:46 AM | 19.39 | 57.7 | 4.72 | 18 | 55 | |
| 11:56 AM | 19.42 | 56.9 | 4.70 | 12 | 55 | |
| 12:06 PM | 19.33 | 57.0 | 4.68 | 13 | 55 | |
| 12:16 PM | 19.11 | 57.1 | 4.67 | 11 | 55 | |
| 12:26 PM | 19.18 | 57.6 | 4.67 | 12 | 55 | |
| 12:36 PM | 19.23 | 57.5 | 4.65 | 12 | 55 | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 12:39 PM |

Comments:

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/04/2002  Well No.: 223  Depth to Water: 22.29 ft

Total Depth of Well: 70 ft  Screen Interval: 60.5-69.5 ft

Development Method: Pneumatic Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 12:46 PM | 19.21 | 57.5 | 4.66 | 8.9 | 55 | |
| 12:56 PM | 19.23 | 57.4 | 4.64 | 6.8 | 55 | |
| 1:06 PM | 19.21 | 57.4 | 4.67 | 7.0 | 55 | |
| 1:16 PM | 19.28 | 57.5 | 4.64 | 6.8 | 55 | 200 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 12:39 PM |

Comments:

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/14/2002 | Well No.: 124 | Depth to Water: | 29.36 ft |
| Total Depth of Well: | 39 ft | Screen Interval: | 24.5 - 38.5 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:27 AM | 19.94 | 69.1 | 5.04 | >440 | 45 | |
| 9:37 AM | 20.36 | 68.3 | 4.17 | >440 | 45 | |
| 9:47 AM | 20.22 | 68.1 | 4.16 | >440 | 50 | |
| 9:57 AM | 20.25 | 68.4 | 4.15 | >440 | 50 | |
| 10:07 AM | 20.32 | 68.3 | 4.17 | >440 | 50 | |
| 10:17 AM | 20.36 | 67.8 | 4.21 | >440 | 50 | |
| 10:27 AM | 20.34 | 67.5 | 4.24 | >440 | 50 | |
| 10:37 AM | 20.32 | 66.8 | 4.28 | >440 | 50 | |
| 10:47 AM | 20.34 | 67.4 | 4.26 | >440 | 50 | |
| 10:57 AM | 20.17 | 67.1 | 4.33 | >440 | 50 | |
| 11:07 AM | 20.27 | 67.0 | 4.33 | 397 | 50 | |
| 11:17 AM | 20.32 | 66.4 | 4.34 | 153 | 50 | |
| 11:27 AM | 20.37 | 66.8 | 4.34 | 105 | 50 | |
| 11:37 AM | 20.37 | 66.8 | 4.34 | 85 | 50 | |
| 11:47 AM | 20.36 | 66.8 | 4.36 | 83 | 50 | |
| 11:57 AM | 20.24 | 64.7 | 4.35 | 59 | 50 | |
| 12:07 PM | 20.41 | 67.0 | 4.35 | 58 | 50 | |
| 12:17 PM | 20.37 | 67.3 | 4.33 | 43 | 45 | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 4:39 PM |

**Comments:** Well cap has no cock. *12:40 Re-surged well due to rising turbidity.

+ Shut down at 1:28 pm to empty container.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/14/2002 | Well No.: 124 | Depth to Water: | 29.36 ft |
| Total Depth of Well: | 39 ft | Screen Interval: | 24.5 - 38.5 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 12:27 PM | 20.22 | 67.2 | 4.35 | 46 | 45 | |
| 12:37 PM | 20.44 | 66.9 | 4.35 | 111 | 45 | |
| 12:47 PM | 20.32 | 67.6 | 4.30 | >440* | 45 | |
| 12:57 PM | 20.36 | 67.3 | 4.32 | 129 | 45 | |
| 1:07 PM | 20.39 | 67.1 | 4.33 | 68 | 45 | |
| 1:17 PM | 20.37 | 67.2 | 4.32 | 65 | 45 | |
| 1:27 PM | 20.37 | 67.7 | 4.30 | 58 | 45 | 350+ |
| 2:57 PM+ | 20.29 | 65.1 | 4.31 | 45 | 45 | |
| 3:07 PM | 20.39 | 67.3 | 4.31 | 29 | 45 | |
| 3:17 PM | 19.96 | 67.4 | 4.32 | 25 | 45 | |
| 3:27 PM | 20.30 | 66.9 | 4.29 | 18 | 45 | |
| 3:37 PM | 20.25 | 67.3 | 4.30 | 16 | 45 | |
| 3:47 PM | 20.32 | 67.4 | 4.28 | 16 | 45 | |
| 3:57 PM | 20.06 | 67.1 | 4.30 | 16 | 45 | |
| 4:07 PM | 20.24 | 67.3 | 4.28 | 6.9 | 45 | |
| 4:17 PM | 20.24 | 67.4 | 4.28 | 6.7 | 45 | |
| 4:27 PM | 20.34 | 67.7 | 4.26 | 5.6 | 45 | |
| 4:37 PM | 20.32 | 67.6 | 4.29 | 4.3 | 45 | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 4:39 PM |

Comments: Well cap has no cock. *12:40 Re-surged well due to rising turbidity.

+ Shut down at 1:28 pm to empty container.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/14/2002 | Well No.: 124 | Depth to Water: | 29.36 ft |
| Total Depth of Well: | 39 ft | Screen Interval: | 24.5 - 38.5 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 4:47 PM | 20.13 | 67.7 | 4.29 | 4.2 | 45 | |
| 4:57 PM | 20.17 | 67.6 | 4.30 | 4.4 | 45 | 460 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 4:39 PM |

**Comments:** Well cap has no cock. *12:40 Re-surged well due to rising turbidity.

+ Shut down at 1:28 pm to empty container.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/11/2002 | Well No.: 224 | Depth to Water: | 29.17 ft |
| Total Depth of Well: | 54 ft | Screen Interval: | 44.5 - 53.5 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:20 AM | 20.13 | 1064 | 11.0 | >440 | 50 | |
| 9:30 AM | 20.08 | 185 | 7.43 | >440 | 50 | |
| 9:40 AM | 20.10 | 130 | 5.96 | >440 | 50 | |
| 9:50 AM | 20.11 | 113 | 5.54 | >440 | 50 | |
| 10:00 AM | 20.10 | 102 | 5.33 | >440 | 50 | |
| 10:10 AM | 20.10 | 93.2 | 5.25 | 138 | 50 | |
| 10:20 AM | 20.08 | 88.6 | 5.13 | 64 | 50 | |
| 10:30 AM | 20.11 | 84.8 | 5.04 | 46 | 50 | |
| 10:40 AM | 20.11 | 82.3 | 4.99 | 33 | 50 | |
| 10:50 AM | 20.11 | 79.8 | 4.97 | 24 | 50 | |
| 11:00 AM | 20.11 | 78.2 | 4.93 | 22 | 50 | |
| 11:10 AM | 20.11 | 78.1 | 4.93 | 15 | 45 | |
| 11:20 AM | 20.11 | 77.9 | 4.91 | 16 | 45 | |
| 11:30 AM | 20.11 | 77.7 | 4.91 | 21 | 45 | |
| 11:40 AM | 20.15 | 77.3 | 4.89 | 21 | 45 | |
| 11:50 AM | 20.13 | 77.4 | 4.88 | 19 | 45 | |
| 12:00 PM | 20.03 | 76.5 | 4.89 | 24 | 45 | |
| 12:00 PM | 20.04 | 75.0 | 4.90 | 19 | 45 | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 1:25 PM |

Comments:

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/11/2002 Well No.: 224 Depth to Water: 29.17 ft

Total Depth of Well: 54 ft Screen Interval: 44.5 - 53.5 ft

Development Method: Pneumatic Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 12:10 PM | 20.11 | 74.0 | 4.87 | 13 | 45 | |
| 12:20 PM | 20.11 | 73.5 | 4.85 | 12 | 45 | |
| 12:30 PM | 20.11 | 73.3 | 4.85 | 10 | 45 | |
| 12:40 PM | 20.06 | 73.0 | 4.84 | 6.9 | 45 | |
| 12:50 PM | 20.03 | 72.7 | 4.84 | 6.8 | 45 | |
| 1:00 PM | 19.99 | 71.9 | 4.80 | 4.7 | 45 | |
| 1:10 PM | 19.94 | 71.9 | 4.82 | 4.0 | 45 | |
| 1:20 PM | 19.97 | 71.4 | 4.78 | 2.7 | 45 | |
| 1:30 PM | 19.97 | 71.0 | 4.77 | 2.9 | 45 | |
| 1:40 PM | 19.96 | 71.0 | 4.77 | 2.7 | 45 | 310 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 1:25 PM |

Comments:

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/15/2002  Well No.: 125  Depth to Water: 17.56 ft

Total Depth of Well: 25 ft  Screen Interval: 15.5 - 24.5 ft

Development Method: Pneumatic Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:38 AM | 19.06 | 53.0 | 6.13 | >440 | 50 | |
| 9:48 AM | 20.79 | 61.5 | 4.97 | >440 | 45 | |
| 9:58 AM | 21.13 | 62.9 | 4.84 | >440 | 45 | |
| 10:08 AM | 20.79 | 61.5 | 4.71 | >440 | 45 | |
| 10:18 AM | 20.95 | 60.4 | 4.64 | 101 | 45 | |
| 10:28 AM | 20.81 | 59.7 | 4.54 | 44 | 45 | |
| 10:38 AM | 21.06 | 59.8 | 4.50 | 28 | 45 | |
| 10:48 AM | 21.09 | 59.6 | 4.45 | 19 | 45 | |
| 10:58 AM | 20.81 | 59.6 | 4.43 | 16 | 45 | |
| 11:08 AM | 20.93 | 59.2 | 4.38 | 12 | 45 | |
| 11:18 AM | 20.89 | 59.4 | 4.38 | 12 | 45 | |
| 11:28 AM | 20.86 | 59.4 | 4.39 | 10 | 45 | |
| 11:38 AM | 20.90 | 59.3 | 4.35 | 10 | 45 | |
| 11:48 AM | 20.87 | 59.4 | 4.32 | 10 | 45 | 205 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 11:40 AM |

Comments: No lock on well cap.

# TTL, Inc.
## Monitoring Well Development

| | | | | | |
|---|---|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | | | Job No.: | 0700-024 |
| Date: | 01/14/2002 | Well No.: | 225 | Depth to Water: | 17.6 ft |
| Total Depth of Well: | | 40.5 ft | | Screen Interval: | 31-40 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) |
|---|---|---|---|---|---|---|
| 12:35 PM | 20.99 | 172 | 9.61 | >440 | | |
| 12:45 PM | 21.05 | 135 | 7.43 | >440 | | |
| 12:55 PM | 20.98 | 117 | 5.82 | >440 | | |
| 1:05 PM | 21.03 | 96.0 | 5.49 | >440 | | |
| 1:15 PM | 21.91 | 90.0 | 5.39 | >440 | | |
| 1:25 PM | 21.05 | 88.0 | 5.40 | 231 | | |
| 1:35 PM | 21.03 | 85.0 | 5.36 | 160 | | |
| 1:45 PM | 21.05 | 85.0 | 5.29 | 112 | | |
| 1:55 PM | 21.04 | 85.0 | 5.30 | 80 | | |
| 2:05 PM | 21.04 | 84.0 | 5.24 | 57 | | |
| 2:15 PM | 20.97 | 81.0 | 5.25 | 44 | | |
| 2:25 PM | 20.95 | 80.0 | 5.25 | 41 | | |
| 2:35 PM | 20.96 | 80.0 | 5.25 | 23 | | |
| 2:45 PM | 20.97 | 81.0 | 5.24 | 15 | | |
| 2:55 PM | 20.97 | 82.0 | 5.23 | 12 | | |
| 3:05 PM | 20.95 | 81.0 | 5.23 | 9.1 | | |
| 3:15 PM | 20.77 | 81.0 | 5.18 | 4.5 | | |
| 3:25 PM | 20.58 | 83.0 | 5.20 | 4.1 | | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 1:55 PM |

Comments: Decreased pump rate at 1:15 pm, 1:35 pm, and 2:05 pm.

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/14/2002  Well No.: 225  Depth to Water: 17.6 ft

Total Depth of Well: 40.5 ft  Screen Interval: 31-40 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) |
|---|---|---|---|---|---|---|
| 3:35 PM | 20.42 | 83 | 5.21 | 4.4 | | |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 1:55 PM |

Comments: Decreased pump rate at 1:15 pm, 1:35 pm, and 2:05 pm.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: | 01/08/2002 | Well No.: | 227 |
| Depth to Water: | 10.66 ft | | |
| Total Depth of Well: | 27.5 ft | Screen Interval: | 18-27 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (μmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 1:02 PM | 20.72 | 65.8 | 4.57 | >440 | 45 | |
| 1:12 PM | 20.79 | 62.1 | 4.33 | >440 | 45 | |
| 1:22 PM | 20.83 | 60.7 | 4.28 | >440 | 45 | |
| 1:32 PM* | 20.85 | 60.2 | 4.26 | >440 | 45 | 70 |
| 1:42 PM | 20.76 | 60.1 | 4.22 | >440 | 45 | |
| 1:52 PM | 20.88 | 60.0 | 4.21 | 392 | 45 | |
| 2:02 PM | 20.85 | 59.9 | 4.10 | 187 | 45 | |
| 2:12 PM | 20.83 | 59.7 | 4.09 | 160 | 45 | |
| 2:24 PM** | 20.78 | 59.7 | 4.09 | 129 | 45 | |
| 2:32 PM | 20.81 | 59.7 | 4.09 | 78 | 45 | |
| 2:42 PM | 20.81 | 59.7 | 4.06 | 54 | 45 | |
| 2:52 PM | 20.83 | 59.8 | 4.06 | 48 | 45 | |
| 3:02 PM | 20.81 | 59.7 | 4.04 | 38 | 45 | |
| 3:12 PM | 20.81 | 59.6 | 4.03 | 24 | 45 | |
| 3:22 PM | 20.76 | 59.6 | 4.03 | 18 | 45 | |
| 3:32 PM | 20.78 | 59.5 | 4.03 | 13 | 45 | |
| 3:42 PM | 20.78 | 59.5 | 4.04 | 11 | 45 | |
| 3:52 PM | 20.72 | 59.4 | 4.04 | 9.3 | 45 | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:48 PM |

Comments: *Began to clear approximately 70 gallons.

**Shut down pump @2:13 to retrieve additional disposal containers. Resumed at 2:18 pm.

# TTL, Inc.
## Monitoring Well Development

| | | | | | |
|---|---|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | | | Job No.: | 0700-024 |
| Date: | 01/08/2002 | Well No.: | 227 | Depth to Water: | 10.66 ft |
| Total Depth of Well: | | 27.5 ft | | Screen Interval: | 18-27 ft |
| Development Method: | | Pneumatic Pump | | | |
| Personnel: | Steve Moore | | | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 4:02 PM | 20.71 | 59.4 | 4.04 | 9.5 | 45 | |
| 4:12 PM | 20.72 | 59.4 | 4.06 | 9.2 | 45 | 280 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:48 PM |

Comments: *Began to clear approximately 70 gallons.

**Shut down pump @2:13 to retrieve additional disposal containers. Resumed at 2:18 pm.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: | 12/31/2001 | Well No.: | 228 |
| Depth to Water: | 20.88 ft | | |
| Total Depth of Well: | 50.5 ft | Screen Interval: | 41-50 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Brad Baker & Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (μmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 12:28 PM | 18.70 | 119 | 4.77 | >440 | 60 | |
| 12:38 PM | 19.02 | 112 | 4.66 | >440 | 50 | |
| 1:10 PM | 18.35 | 110 | 4.65 | 148 | | |
| 1:20 PM | 19.35 | 107 | 4.60 | 177 | | |
| 1:30 PM | 19.30 | 107 | 4.58 | 113 | | |
| 1:40 PM | 19.39 | 104 | 4.57 | 68 | | |
| 1:50 PM | 19.21 | 103 | 4.56 | 21 | | |
| 2:00 PM | 19.52 | 103 | 4.55 | 12 | | |
| 2:10 PM | 19.27 | 102 | 4.55 | 20 | | |
| 2:20 PM | 19.54 | 102 | 4.54 | 13 | | 120 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 1:54 PM |

**Comments:** Pump was shut down between 12:40 pm and 1:05 pm due to excessive air in line.

Continued well development on January 2, 2002 because well pump malfunctioned.

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/02/2002  Well No.: 228  Depth to Water: 20.89 ft

Total Depth of Well: 50.5 ft  Screen Interval: 41-50 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) |
|---|---|---|---|---|---|---|
| 1:25 PM | 18.34 | 99 | 4.90 | 113 | | 120* |
| 1:35 PM | 18.37 | 100 | 4.91 | 14 | | |
| 1:45 PM | 18.32 | 101 | 4.89 | 4.8 | | |
| 1:55 PM | 18.30 | 100 | 4.87 | 3.4 | | |
| 2:05 PM | 18.26 | 99 | 4.86 | 3.2 | | |
| 2:15 PM | 18.12 | 96 | 4.84 | 2.7 | | |
| 2:25 PM | 18.18 | 97 | 4.87 | 1.4 | | |
| 2:35 PM | 18.25 | 98 | 4.90 | 1.6 | | |
| 2:45 PM | 18.18 | 96 | 4.93 | 1.7 | | 200 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: *Continued well development from 12-31-01 (120 gallons).

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/15/2002  Well No.: 129  Depth to Water: 20.16 ft

Total Depth of Well: 27.5 ft  Screen Interval: 18-27 ft

Development Method: Pneumatic Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 1:14 PM | 20.18 | 64.7 | 4.79 | >440 | 50 | |
| 1:24 PM | 21.11 | 67.5 | 3.98 | >440 | 50 | |
| 1:34 PM | 21.02 | 67.6 | 3.92 | >440 | 50 | |
| 1:44 PM | 20.92 | 67.9 | 3.91 | 240 | 50 | |
| 1:54 PM | 20.97 | 68.1 | 3.90 | 47 | 50 | |
| 2:04 PM | 20.88 | 68.1 | 3.89 | 28 | 50 | |
| 2:14 PM | 21.00 | 67.2 | 3.86 | 19 | 50 | |
| 2:24 PM | 20.81 | 68.2 | 3.86 | 20 | 50 | |
| 2:34 PM | 20.93 | 66.6 | 3.85 | 15 | 45 | |
| 2:44 PM | 20.79 | 68.0 | 3.85 | 16 | 45 | |
| 2:54 PM | 20.93 | 68.1 | 3.84 | 12 | 45 | |
| 3:04 PM | 20.95 | 68.0 | 3.84 | 9.9 | 45 | |
| 3:14 PM | 20.65 | 68.0 | 3.84 | 11 | 45 | |
| 3:24 PM | 20.53 | 68.2 | 3.84 | 11 | 45 | |
| 3:34 PM | 20.65 | 68.1 | 3.84 | 7.6 | 45 | |
| 3:44 PM | 20.58 | 67.8 | 3.83 | 5.3 | 45 | |
| 3:54 PM | 20.42 | 68.0 | 3.84 | 4.4 | 45 | |
| 4:04 PM | 20.39 | 68.1 | 3.83 | 4.7 | 45 | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:56 PM |

Comments:

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/15/2002 | Well No.: 129 | Depth to Water: | 20.16 ft |
| Total Depth of Well: | 27.5 ft | Screen Interval: | 18-27 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 4:14 PM | 20.40 | 68.2 | 3.84 | 4.5 | 45 | 210 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:56 PM |

Comments:

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/15/2002 | Well No.: 229 | Depth to Water: | 19.88 ft |
| Total Depth of Well: | 40 ft | Screen Interval: | 30.5 - 39.5 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) |
|---|---|---|---|---|---|---|
| 10:10 AM | 21.42 | 72.0 | 4.92 | >440 | | |
| 10:20 AM | 21.30 | 74.0 | 4.96 | >440 | | |
| 10:30 AM | 21.38 | 73.0 | 4.85 | >440 | | |
| 10:40 AM | 21.39 | 72.0 | 4.83 | 124 | | |
| 10:50 AM | 21.38 | 72.0 | 4.74 | 57 | | |
| 11:00 AM | 21.39 | 72.0 | 4.73 | 34 | | |
| 11:10 AM | 21.37 | 72.0 | 4.72 | 23 | | |
| 11:20 AM | 21.42 | 72.0 | 4.72 | 16 | | |
| 11:30 AM | 21.38 | 72.0 | 4.72 | 14 | | |
| 11:40 AM | 21.42 | 72.0 | 4.72 | 11 | | |
| 11:50 AM | 21.39 | 72.0 | 4.71 | 9.1 | | |
| 12:00 PM | 21.41 | 72.0 | 4.70 | 6.8 | | |
| 12:10 PM | 21.41 | 72.0 | 4.69 | 6.1 | | |
| 12:20 PM | 21.43 | 72.0 | 4.67 | 6.8 | | |
| 12:30 PM | 21.41 | 72.0 | 4.67 | 3.9 | | |
| 12:40 PM | 21.40 | 72.0 | 4.66 | 4.0 | | |
| 12:50 PM | 21.41 | 72.0 | 4.66 | 4.1 | | 200 |
| | | | | | | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 12:20 PM |

Comments:

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/10/2002  Well No.: 130  Depth to Water: 21.38 ft

Total Depth of Well: 28 ft  Screen Interval: 18.5-27.5 ft

Development Method: Pneumatic Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (μmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:00 AM | 20.71 | 85.6 | 5.93 | >440 | 45 | |
| 9:10 AM | 20.76 | 79.9 | 5.17 | >440 | 45 | |
| 9:20 AM | 20.81 | 79.9 | 5.06 | >440 | 45 | |
| 9:30 AM | 20.90 | 79.8 | 4.95 | >440 | 45 | |
| 9:40 AM | 20.86 | 81.6 | 4.84 | 16 | 45 | |
| 9:50 AM | 20.92 | 80.2 | 4.78 | 15 | 45 | |
| 10:00 AM | 20.95 | 79.2 | 4.72 | 14 | 45 | |
| 10:10 AM | 20.97 | 79.3 | 4.70 | 7.1 | 45 | |
| 10:20 AM | 20.93 | 79.1 | 4.68 | 2.8 | 45 | |
| 10:30 AM | 20.92 | 79.1 | 4.65 | 2.8 | 45 | |
| 10:40 AM | 21.02 | 78.9 | 4.66 | 3.0 | 45 | 110 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 10:34 AM |

Comments: Replaced latex glove cover with well cap and lock.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/10/2002 | Well No.: 230 | Depth to Water: | 21.34 ft |
| Total Depth of Well: | 51.5 ft | Screen Interval: | 42-51 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (μmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 11:50 AM | 20.13 | 212 | 11.01 | >440 | 45 | |
| 12:00 PM | 20.03 | 166 | 7.34 | >440 | 45 | |
| 12:10 PM | 19.99 | 153 | 6.23 | >440 | 45 | |
| 12:20 PM | 20.03 | 133 | 5.46 | >440 | 50 | |
| 12:30 PM | 19.99 | 123 | 5.24 | >440 | 50 | |
| 12:40 PM | 19.99 | 121 | 5.14 | >440 | 50 | |
| 12:50 PM | 19.96 | 120 | 5.05 | 160 | 50 | |
| 1:00 PM | 19.97 | 120 | 5.01 | 73 | 50 | |
| 1:10 PM | 19.96 | 118 | 4.96 | 42 | 50 | |
| 1:20 PM | 19.97 | 116 | 4.90 | 17 | 50 | |
| 1:30 PM | 19.99 | 115 | 4.86 | 11 | 50 | |
| 1:40 PM | 19.97 | 115 | 4.84 | 10 | 50 | |
| 1:50 PM | 19.97 | 115 | 4.86 | 9.5 | 50 | |
| 2:00 PM | 19.99 | 115 | 4.85 | 9.3 | 45 | |
| 2:10 PM | 19.99 | 115 | 4.86 | 9.5 | 45 | |
| 2:20 PM | 19.99 | 115 | 4.86 | 9.7 | 45 | 205 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 2:05 PM |

Comments: Well has a latex glove cap.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/08/2002 | Well No.: 131 | Depth to Water: | 11.14 ft |
| Total Depth of Well: | 24 ft | Screen Interval: | 17-23.5 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Brad Baker & Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:10 AM | 18.34 | 87.0 | 5.73 | >440 | | |
| 9:20 AM | 18.77 | 57.0 | 5.09 | >440 | | |
| 9:30 AM | 18.83 | 56.0 | 5.10 | >440 | | |
| 9:40 AM | 18.73 | 66.0 | 5.11 | >440 | | |
| 9:50 AM | 18.69 | 60.0 | 5.12 | >440 | | |
| 10:00 AM | 18.74 | 55.0 | 5.12 | >440 | | |
| 10:10 AM | 18.69 | 54.0 | 5.12 | >440 | | |
| 10:20 AM | 18.85 | 54.0 | 5.12 | >440 | | |
| 10:30 AM | 18.89 | 54.0 | 5.12 | >440 | | |
| 10:40 AM | 18.80 | 53.0 | 5.12 | >440 | | |
| 10:50 AM | 18.60 | 53.0 | 5.12 | 299 | | |
| 11:00 AM | 18.87 | 53.0 | 5.12 | 344 | | |
| 11:10 AM | 18.91 | 53.0 | 5.11 | >440 | | |
| 11:20 AM | 18.81 | 53.0 | 5.11 | >440 | | |
| 11:30 AM | 18.84 | 52.0 | 5.11 | >440 | | 200 |
| 12:50 PM | 18.79 | 52.0 | 5.10 | >440 | | |
| 1:00 PM | 18.84 | 51.0 | 5.08 | >440 | | |
| 1:10 PM | 18.93 | 52.0 | 5.07 | >440 | | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:10 PM |

Comments: Tank full at 11:30 am. Lowered pump rate at 2:30 pm.

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/08/2002  Well No.: 131  Depth to Water: 11.14 ft

Total Depth of Well: 24 ft  Screen Interval: 17-23.5 ft

Development Method: Pneumatic Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 1:20 PM | 18.83 | 52.0 | 5.07 | >440 | | |
| 1:30 PM | 18.91 | 52.0 | 5.06 | >440 | | |
| 1:40 PM | 18.84 | 52.0 | 5.06 | 325 | | |
| 1:50 PM | 18.82 | 52.0 | 5.05 | 198 | | |
| 2:00 PM | 18.84 | 51.0 | 5.04 | 176 | | |
| 2:10 PM | 18.92 | 51.0 | 5.03 | 143 | | |
| 2:20 PM | 18.89 | 51.0 | 5.03 | 112 | | |
| 2:30 PM | 18.65 | 51.0 | 5.03 | 68 | | |
| 2:40 PM | 18.71 | 51.0 | 5.03 | 59 | | |
| 2:50 PM | 18.70 | 51.0 | 5.03 | 57 | | |
| 3:00 PM | 18.19 | 51.0 | 5.04 | 18 | | |
| 3:10 PM | 18.35 | 51.0 | 5.06 | 12 | | |
| 3:20 PM | 18.26 | 51.0 | 5.07 | 8.2 | | |
| 3:30 PM | 18.36 | 51.0 | 5.07 | 5.9 | | |
| 3:40 PM | 18.13 | 51.0 | 5.06 | 4.8 | | |
| 3:50 PM | 18.15 | 51.0 | 5.06 | 3.6 | | |
| 4:00 PM | 17.98 | 51.0 | 5.05 | 3.2 | | |
| 4:10 PM | 17.99 | 51.0 | 5.05 | 2.8 | | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:10 PM |

Comments: Tank full at 11:30 am. Lowered pump rate at 2:30 pm.

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/08/2002  Well No.: 131  Depth to Water: 11.14 ft

Total Depth of Well: 24 ft  Screen Interval: 17-23.5 ft

Development Method: Pneumatic Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 4:20 PM | 17.87 | 51.0 | 5.04 | 2.9 | | |
| 4:30 PM | 17.79 | 51.0 | 5.04 | 2.7 | | 380 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:10 PM |

Comments: Tank full at 11:30 am. Lowered pump rate at 2:30 pm.

# TTL, Inc.
## Monitoring Well Development

| | | | | | |
|---|---|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | | | Job No.: | 0700-024 |
| Date: | 01/08/2002 | Well No.: | 231 | Depth to Water: | 11.09 ft |
| Total Depth of Well: | | 33 ft | | Screen Interval: | 28.5-32.5 ft |
| Development Method: | | Pneumatic Pump | | | |
| Personnel: | Steve Moore | | | | |

| Time | Temperature (C°) | Specific Conductance (μmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:11 AM | 18.61 | 96.6 | 7.29 | >440 | 50 | |
| 9:21 AM | 18.75 | 59.1 | 4.87 | >440 | 50 | |
| 9:31 AM | 18.77 | 54.7 | 4.69 | 121 | 50 | |
| 9:41 AM | 18.77 | 52.9 | 4.59 | 118 | 50 | |
| 9:51 AM | 18.77 | 51.7 | 4.51 | 82 | 50 | |
| 10:01 AM | 18.63 | 50.8 | 4.41 | 110 | 50 | |
| 10:11 AM | 18.63 | 50.8 | 4.44 | 55 | 50 | |
| 10:21 AM | 18.66 | 50.7 | 4.42 | 33 | 50 | |
| 10:31 AM | 18.54 | 49.5 | 4.54 | 22 | 50 | |
| 10:41 AM | 18.73 | 49.9 | 4.53 | 119 | 50 | |
| 10:51 AM | 18.72 | 49.9 | 4.41 | 72 | 50 | |
| 11:01 AM | 18.75 | 49.8 | 4.40 | 73 | 50 | |
| 11:11 AM | 18.73 | 49.7 | 4.41 | 43 | 50 | |
| 11:21 AM | 18.65 | 48.6 | 4.41 | 12 | 50 | |
| 11:31 AM | 18.61 | 48.6 | 4.40 | 7.4 | 50 | |
| 11:41 AM | 18.75 | 49.0 | 4.41 | 5.0 | 50 | |
| 11:51 AM | 18.75 | 49.6 | 4.40 | 5.5 | 50 | |
| 12:01 PM | 18.77 | 49.5 | 4.41 | 5.0 | 50 | 220 |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 11:44 AM |

**Comments:** Increased discharge from 6 seconds to 9 seconds (approximately 105 gallons) at 10:35 am.

Replaced missing lock on well cap.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/03/2002 | Well No.: 132 | Depth to Water: | 22.3 ft |
| Total Depth of Well: | 29 ft | Screen Interval: | 19.5-28.5 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:57 AM | 16.68 | 141 | 5.37 | >440 | 45 | |
| 10:07 AM | 18.42 | 116 | 5.27 | >440 | 45 | |
| 10:17 AM | 18.42 | 114 | 5.10 | >440 | 45 | |
| 10:27 AM | 17.21 | 105 | 4.97 | 136 | 40 | |
| 10:37 AM | 19.00 | 110 | 4.95 | >440 | 40 | |
| 10:47 AM | 18.10 | 104 | 4.84 | 88 | 40 | |
| 10:57 AM | 19.01 | 102 | 4.79 | 7.4 | 40 | |
| 11:07 AM | 18.39 | 101 | 4.74 | 47 | 40 | |
| 11:17 AM | 18.51 | 101 | 4.70 | 21 | 40 | |
| 11:27 AM | 18.65 | 100 | 4.66 | 16 | 40 | |
| 11:37 AM | 18.71 | 100 | 4.63 | 14 | 40 | |
| 11:47 AM | 18.75 | 100 | 4.62 | 11 | 40 | |
| 11:57 AM | 18.75 | 99.8 | 4.61 | 10 | 40 | |
| 12:07 PM | 18.27 | 99.4 | 4.59 | 10 | 40 | 63 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 12:01 PM |

Comments: Slow recharge rate in well. Developed until readings stabilized.

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/03/2002  Well No.: 232  Depth to Water: 22.40 ft

Total Depth of Well: 56.5 ft  Screen Interval: 46-55 ft

Development Method: Pneumatic Pump

Personnel: Brad Baker, Steve Moore, & Kyle Massey

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 10:25 PM | 19.62 | 95 | 5.68 | >440 | | |
| 10:35 PM | 19.71 | 82 | 5.32 | >440 | | |
| 10:45 AM | 19.53 | 82 | 5.31 | >440 | | |
| 10:55 AM* | 19.79 | 80 | 5.28 | >440 | | |
| 11:55 AM | 19.77 | 78 | 5.32 | >440 | | |
| 12:05 PM | 19.87 | 71 | 5.21 | 14 | | |
| 12:15 PM | 19.84 | 70 | 5.15 | 6.7 | | |
| 12:25 PM | 19.78 | 69 | 5.14 | 4.5 | | |
| 12:35 PM | 19.75 | 68 | 5.12 | 4.0 | | |
| 12:45 PM | 19.87 | 68 | 5.11 | 3.5 | | |
| 12:55 PM | 19.69 | 68 | 5.11 | 3.5 | | |
| 1:05 PM | 19.88 | 67 | 5.09 | 2.7 | | |
| 1:15 PM | 19.75 | 67 | 5.09 | 2.4 | | |
| 1:25 PM | 19.68 | 67 | 5.10 | 2.2 | | |
| 1:35 PM | 19.82 | 67 | 5.09 | 2.0 | | |
| 1:45 PM | 19.65 | 67 | 5.08 | 1.9 | | |
| 1:55 PM | 19.72 | 67 | 5.06 | 1.8 | | |
| 2:05 PM | 19.65 | 67 | 5.06 | 1.7 | | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 1:55 PM |

Comments: *From 10:55 to 11:55 am stopped to assist Steve Moore on monitoring well MW 132.

# TTL, Inc.
## Monitoring Well Development

| | | | | | |
|---|---|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | | | Job No.: | 0700-024 |
| Date: | 01/03/2002 | Well No.: | 232 | Depth to Water: | 22.40 ft |
| Total Depth of Well: | | 56.5 ft | | Screen Interval: | 46-55 ft |
| Development Method: | | Pneumatic Pump | | | |
| Personnel: | Brad Baker, Steve Moore, & Kyle Massey | | | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 2:15 PM | 19.68 | 67 | 5.05 | 1.7 | | 200 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 1:55 PM |

Comments: *From 10:55 to 11:55 am stopped to assist Steve Moore on monitoring well MW 132.

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/07/2002  Well No.: 133  Depth to Water: 10.63 ft

Total Depth of Well: 18.5 ft  Screen Interval: 9-18 ft

Development Method: Pneumatic Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 2:15 PM | 19.44 | 51.7 | 4.26 | >440 | 40 | |
| 2:25 PM | 19.73 | 51.8 | 4.21 | >440 | | |
| 2:35 PM | 19.71 | 53.0 | 4.19 | >440 | | |
| 2:45 PM | 19.73 | 52.6 | 4.19 | >440 | | |
| 2:55 PM | 19.77 | 52.7 | 4.18 | >440 | | |
| 3:05 PM | 19.80 | 53.4 | 4.14 | 82 | | |
| 3:15 PM | 19.71 | 53.3 | 4.13 | 27 | | |
| 3:25 PM | 19.73 | 53.5 | 4.12 | 17 | | |
| 3:35 PM | 19.71 | 53.7 | 4.13 | 16 | | |
| 3:45 PM | 19.70 | 53.7 | 4.14 | 8.6 | | |
| 3:55 PM | 19.73 | 53.8 | 4.13 | 8.6 | | |
| 4:05 PM | 19.71 | 53.8 | 4.14 | 8.8 | | 195 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 3:58 PM |

Comments:

# TTL, Inc.
## Monitoring Well Development

| | | | | | |
|---|---|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | | | Job No.: | 0700-024 |
| Date: | 01/07/2002 | Well No.: | 233 | Depth to Water: | 10.52 ft |
| Total Depth of Well: | | 30.5 ft | | Screen Interval: | 26-30 ft |
| Development Method: | | Pneumatic Pump | | | |
| Personnel: | Brad Baker & Steve Moore | | | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 1:50 PM | 19.51 | 66.0 | 6.27 | >440 | | |
| 2:00 PM | 19.69 | 57.0 | 4.84 | >440 | | |
| 2:10 PM | 19.70 | 57.0 | 4.74 | >440 | | |
| 2:20 PM | 19.73 | 56.0 | 4.64 | >440 | | |
| 2:30 PM | 19.73 | 57.0 | 4.75 | >440 | | |
| 2:40 PM | 19.73 | 56.0 | 4.68 | 232 | | |
| 2:50 PM | 19.65 | 57.0 | 4.67 | 104 | | |
| 3:00 PM | 19.61 | 57.0 | 4.66 | 74 | | |
| 3:10 PM | 19.68 | 56.0 | 4.65 | 38 | | |
| 3:20 PM | 19.72 | 56.0 | 4.65 | 30 | | |
| 3:30 PM | 19.73 | 56.0 | 4.64 | 23 | | |
| 3:40 PM* | 19.66 | 56.0 | 4.64 | 19 | | |
| 4:10 PM | 19.67 | 57.0 | 4.62 | 13 | | |
| 4:20 PM | 19.62 | 57.0 | 4.60 | 13 | | |
| 4:30 PM | 19.69 | 57.0 | 4.59 | 13 | | 200 |
| | | | | | | |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 4:10 PM |

Comments: *From 3:40 pm to 4:10 pm the battery in the scout was dead.

# TTL, Inc.
## Monitoring Well Development

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/07/2002 | Well No.: 134 | Depth to Water: | 15.37 ft |
| Total Depth of Well: | 26 ft | Screen Interval: | 11.5-25.5 ft |
| Development Method: | Pneumatic Pump | | |
| Personnel: | Steve Moore | | |

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:47 AM | 18.44 | 65.6 | 6.20 | >440 | 40 | |
| 9:57 AM | 22.90 | 40.9 | 4.67 | >440 | 40 | |
| 10:07 AM | 23.03 | 41.6 | 4.57 | >440 | 40 | |
| 10:17 AM | 23.06 | 42.2 | 4.47 | >440 | 40 | |
| 10:27 AM | 23.06 | 42.8 | 4.42 | >440 | 40 | |
| 10:37 AM | 23.06 | 42.1 | 4.31 | >440 | 40 | |
| 10:47 AM | 23.05 | 42.0 | 4.29 | >440 | 40 | |
| 10:57 AM | 23.06 | 41.9 | 4.23 | >440 | 40 | |
| 11:07 AM* | 23.08 | 41.7 | 4.22 | >440 | 40 | |
| 11:17 AM | 23.12 | 41.5 | 4.19 | 286 | 40 | |
| 11:27 AM | 23.12 | 41.6 | 4.16 | 56 | 40 | |
| 11:37 AM | 23.10 | 41.8 | 4.18 | 21 | 40 | |
| 11:47 AM | 23.09 | 41.7 | 4.15 | 14 | 40 | |
| 11:57 AM | 23.05 | 41.6 | 4.15 | 9.8 | 40 | |
| 12:07 PM | 22.96 | 41.7 | 4.14 | 6.2 | 40 | |
| 12:17 PM | 22.99 | 41.7 | 4.15 | 4.1 | 40 | |
| 12:27 PM | 22.96 | 41.7 | 4.16 | 4.0 | 40 | |
| 12:37 PM | 22.96 | 41.8 | 4.14 | 4.2 | 40 | 250 |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 12:30 PM |

Comments: * Began clearing up at approximately 120 gallons. At approximately 12:05 pm decreased discharge from 10 seconds to 7 seconds.

# TTL, Inc.
## Monitoring Well Development

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

Date: 01/07/2002  Well No.: 234  Depth to Water: 15.57 ft

Total Depth of Well: 39.5 ft  Screen Interval: 35-39 ft

Development Method: Pneumatic Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:35 AM | 21.65 | 81.0 | 5.02 | >440 | | |
| 9:45 AM | 21.51 | 82.0 | 4.89 | >440 | | |
| 9:55 AM | 21.69 | 82.0 | 4.90 | >440 | | |
| 10:05 AM | 21.82 | 81.0 | 4.89 | >440 | | |
| 10:15 AM | 21.82 | 81.0 | 4.87 | >440 | | |
| 10:25 AM | 21.75 | 81.0 | 4.84 | 69 | | |
| 10:35 AM | 21.81 | 82.0 | 4.83 | 53 | | |
| 10:45 AM | 21.85 | 85.0 | 4.85 | 37 | | |
| 10:55 AM | 21.79 | 88.0 | 4.87 | 29 | | |
| 11:05 AM | 21.76 | 88.0 | 4.87 | 21 | | |
| 11:15 AM | 21.85 | 86.0 | 4.87 | 15 | | |
| 11:25 AM | 21.87 | 84.0 | 4.86 | 13 | | |
| 11:35 AM | 21.84 | 82.0 | 4.86 | 11 | | |
| 11:45 AM | 21.78 | 82.0 | 4.86 | 8.9 | | |
| 11:55 AM | 21.80 | 81.0 | 4.85 | 6.5 | | |
| 12:05 PM | 21.70 | 81.0 | 4.85 | 6.3 | | |
| 12:15 PM | 21.84 | 81.0 | 4.85 | 6.0 | | |
| 12:25 PM | 21.86 | 81.0 | 4.85 | 6.1 | | 200 |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | ~~No~~ | 12:05 PM |

Comments:

# MONITORING WELL SAMPLING FORMS

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/22/2002  Well No.: 104  Depth to Water: 23.21 ft

Total Depth of Well: 31 ft  Screen Interval: 26.5-30.5 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) |
|---|---|---|---|---|---|---|
| 3:45 PM | 21.98 | 55.0 | 4.83 | 272 | | |
| 3:50 PM | 21.99 | 55.0 | 4.73 | 51 | | |
| 3:55 PM | 21.87 | 55.0 | 4.69 | 16 | | |
| 4:00 PM | 21.99 | 55.0 | 4.72 | 11 | | |
| 4:05 PM | 21.96 | 55.0 | 4.72 | 4.7 | | |
| 4:10 PM | 21.62 | 55.0 | 4.72 | 3.0 | | |
| 4:15 PM | 21.63 | 55.0 | 4.71 | 2.6 | | |
| 4:20 PM | 21.55 | 55.0 | 4.71 | 2.2 | | |
| 4:25 PM | 21.54 | 55.0 | 4.71 | 1.9 | | |
| 4:30 PM | 21.73 | 55.0 | 4.71 | 1.3 | | |
| 4:35 PM | 21.74 | 55.0 | 4.70 | 1.2 | | |
| 4:40 PM | 21.73 | 55.0 | 4.70 | 1.2 | | 32 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 4:43 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/16/2002  Well No.: 113  Depth to Water: 12.35 ft

Total Depth of Well: 20.5 ft  Screen Interval: 11-20 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 10:40 AM | 19.68 | 56.0 | 4.16 | >440 | | |
| 10:45 AM | 19.78 | 52.0 | 4.22 | >440 | | 5 |
| 10:50 AM | 19.75 | 50.0 | 4.37 | >440 | | |
| 10:55 AM | 19.83 | 49.0 | 4.35 | 201 | | |
| 11:00 AM | 19.64 | 48.0 | 4.42 | 72.5 | | |
| 11:05 AM | 19.65 | 48.0 | 4.40 | 70.3 | | |
| 11:10 AM | 19.82 | 48.0 | 4.43 | 52.7 | | |
| 11:15 AM | 19.81 | 47.0 | 4.43 | 27.4 | | |
| 11:20 AM | 19.92 | 47.0 | 4.44 | 21.6 | | |
| 11:25 AM | 19.93 | 47.0 | 4.42 | 16.7 | | |
| 11:30 AM | 19.93 | 47.0 | 4.43 | 9.1 | | |
| 11:35 AM | 19.97 | 47.0 | 4.32 | 8.6 | | |
| 11:40 AM | 19.92 | 47.0 | 4.32 | 6.2 | | |
| 11:45 AM | 19.93 | 46.0 | 4.38 | 6.0 | | |
| 11:50 AM | 20.01 | 47.0 | 4.41 | 5.8 | | 70 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 11:53 am.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/16/2002  Well No.: 213  Depth to Water: 12.4 ft

Total Depth of Well: 36 ft  Screen Interval: 31.5-35.5 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:25 AM | 19.26 | 73.0 | 4.89 | 25 | | |
| 9:30 AM | 19.57 | 70.0 | 4.87 | 28 | | |
| 9:35 AM | 19.51 | 69.0 | 4.86 | 12 | | |
| 9:40 AM | 19.28 | 70.0 | 4.87 | 3.7 | | 5 |
| 9:45 AM | 19.25 | 71.0 | 4.87 | 2.4 | | |
| 9:50 AM | 18.95 | 70.0 | 4.78 | 1.3 | | |
| 9:55 AM | 19.58 | 70.0 | 4.80 | 0.9 | | 10 |
| 10:00 AM | 19.63 | 70.0 | 4.80 | 0.9 | | |
| 10:05 AM | 19.65 | 69.0 | 4.83 | 0.8 | | |
| 10:10 AM | 19.71 | 70.0 | 4.81 | 0.8 | | 15 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 10:13 am.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/31/2002  Well No.: 214  Depth to Water: 8.93 ft

Total Depth of Well: 10 ft  Screen Interval: 3-7 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) |
|---|---|---|---|---|---|---|
| 10:40 AM | 14.17 | 350 | 5.27 | 43 | | |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampling with bailer -- recovery very slow. Sampled from 10:45 to 11:15 am.

# TTL, Inc.
## Monitoring Well Sampling

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/11/2002 | Well No.: 214A | Depth to Water: | 8.53 ft |
| Total Depth of Well: | 19 ft | Screen Interval: | 9.5-18.5 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) |
|---|---|---|---|---|---|---|
| 10:35 AM | 17.11 | 85.0 | 4.95 | 78 | | |
| 10:40 AM | 17.31 | 85.0 | 4.96 | 75 | | |
| 10:45 AM | 17.42 | 85.0 | 4.90 | 63 | | 5 |
| 10:50 AM | 17.42 | 85.0 | 4.95 | 57 | | |
| 10:55 AM | 17.35 | 84.0 | 4.95 | 49 | | 10 |
| 11:00 AM | 17.33 | 84.0 | 4.96 | 43 | | |
| 11:05 AM | 17.39 | 84.0 | 4.96 | 40 | | 15 |
| 11:10 AM | 17.46 | 84.0 | 4.96 | 37 | | |
| 11:15 AM | 17.40 | 84.0 | 4.96 | 32 | | |
| 11:20 AM | 17.45 | 83.0 | 4.96 | 29 | | |
| 11:25 AM | 17.47 | 83.0 | 4.96 | 26 | | |
| 11:30 AM | 17.38 | 83.0 | 4.97 | 23 | | |
| 11:35 AM | 17.40 | 83.0 | 4.97 | 20 | | |
| 11:40 AM | 17.57 | 83.0 | 4.98 | 20 | | |
| 11:45 AM | 17.54 | 83.0 | 4.97 | 16 | | |
| 11:50 AM | 17.56 | 83.0 | 4.98 | 13 | | |
| 11:55 AM | 17.59 | 83.0 | 4.98 | 12 | | |
| 12:00 PM | 17.72 | 83.0 | 4.98 | 10 | | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

**Comments:** Increased flow at 10:40 am. Decreased flow at 11:10 am.

Sampled at 12:38 pm. Sampled Dup-original at 12:41 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/11/2002 Well No.: 214A Depth to Water: 8.53 ft

Total Depth of Well: 19 ft Screen Interval: 9.5-18.5 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) |
|---|---|---|---|---|---|---|
| 12:05 PM | 17.69 | 83.0 | 4.98 | 10 | | |
| 12:10 PM | 17.68 | 83.0 | 4.98 | 9.3 | | |
| 12:15 PM | 17.61 | 83.0 | 4.98 | 6.6 | | |
| 12:20 PM | 17.58 | 83.0 | 4.98 | 6.1 | | |
| 12:25 PM | 17.62 | 83.0 | 4.98 | 5.5 | | |
| 12:30 PM | 17.58 | 83.0 | 4.98 | 5.7 | | |
| 12:35 PM | 17.59 | 83.0 | 4.98 | 5.5 | | 45 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Increased flow at 10:40 am. Decreased flow at 11:10 am.

Sampled at 12:38 pm. Sampled Dup-original at 12:41 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/04/2002  Well No.: 115  Depth to Water: 17.51 ft

Total Depth of Well: 25 ft  Screen Interval: 15.5-24.5 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Kyle Massey

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 10:10 AM | 18.34 | 89.0 | 4.97 | 14 | | |
| 10:15 AM | 19.39 | 88.0 | 4.87 | 9.4 | | |
| 10:20 AM | 19.82 | 88.0 | 4.85 | 5.2 | | |
| 10:25 AM | 19.09 | 89.0 | 4.82 | 3.3 | | |
| 10:30 AM | 19.56 | 89.0 | 4.84 | 2.5 | | |
| 10:35 AM | 19.41 | 89.0 | 4.83 | 1.1 | | |
| 10:40 AM | 18.59 | 89.0 | 4.86 | 0.7 | | |
| 10:45 AM | 18.99 | 89.0 | 4.85 | 0.6 | | |
| 10:50 AM | 19.94 | 88.0 | 4.84 | 0.7 | | 8 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 10:53 am.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/04/2002  Well No.: 215  Depth to Water: 17.75 ft

Total Depth of Well: 39.5 ft  Screen Interval: 30-39 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Kyle Massey

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 11:25 AM | 19.24 | 62.0 | 5.22 | 26 | | |
| 11:30 AM | 19.72 | 62.0 | 5.07 | 20 | | |
| 11:35 AM | 19.84 | 62.0 | 5.04 | 11 | | 5 |
| 11:40 AM | 20.16 | 61.0 | 5.02 | 3.9 | | |
| 11:45 AM | 20.03 | 60.0 | 5.02 | 1.6 | | |
| 11:50 AM | 20.16 | 61.0 | 4.99 | 0.9 | | 10 |
| 11:55 AM | 20.08 | 61.0 | 5.00 | 0.7 | | |
| 12:00 PM | 19.97 | 61.0 | 4.98 | 0.6 | | |
| 12:05 PM | 19.95 | 61.0 | 4.96 | 0.5 | | 15 |
| 12:10 PM | 20.09 | 61.0 | 4.97 | 0.6 | | 16.5 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 12:13 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/18/2002  Well No.: 117  Depth to Water: 37.11 ft

Total Depth of Well: 44 ft  Screen Interval: 34.5-43.5 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 3:45 PM | 19.33 | 203 | 7.72 | 2.6 | | |
| 3:50 PM | 19.30 | 202 | 7.67 | 2.6 | | |
| 3:55 PM | 19.32 | 202 | 7.64 | 2.6 | | |
| 4:00 PM | 19.33 | 202 | 7.65 | 2.7 | | |
| 4:05 PM | 19.29 | 202 | 7.63 | 2.6 | | |
| 4:10 PM | 19.27 | 201 | 7.62 | 2.6 | | 180 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Did not sample due to high pH readings. Plan to return to the well at a later date to purge and sample.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/30/2002  Well No.: 117  Depth to Water: 37.24 ft

Total Depth of Well: 44 ft  Screen Interval: 34.5-43.5 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) |
|---|---|---|---|---|---|---|
| 2:45 PM | 20.21 | 180 | 6.30 | 3.7 | | |
| 2:55 PM | 20.19 | 174 | 6.66 | 2.1 | | |
| 3:05 PM | 20.11 | 165 | 6.53 | 1.4 | | |
| 3:15 PM | 20.07 | 161 | 6.44 | 1.1 | | |
| 3:25 PM | 20.28 | 158 | 6.37 | 0.8 | | |
| 3:35 PM | 19.98 | 153 | 6.31 | 0.3 | | |
| 3:45 PM | 19.89 | 151 | 6.28 | 0.1 | | |
| 3:55 PM | 19.90 | 148 | 6.26 | 0.0 | | |
| 4:05 PM | 19.92 | 146 | 6.22 | 0.0 | | |
| 4:15 PM | 19.91 | 145 | 6.20 | 0.0 | | |
| 4:25 PM | 19.80 | 144 | 6.19 | 0.0 | | |
| 4:35 PM | 19.77 | 144 | 6.18 | 0.0 | | |
| 4:45 PM | 19.78 | 143 | 6.16 | 0.0 | | 80 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 4:48 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/04/2002  Well No.: 217  Depth to Water: 36.99 ft

Total Depth of Well: 74.5 ft  Screen Interval: 65-74 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Kyle Massey

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 4:00 PM | 18.41 | 83.0 | 5.16 | 15.3 | | |
| 4:05 PM | 18.62 | 83.0 | 5.07 | 10.7 | | |
| 4:10 PM | 18.87 | 83.0 | 5.08 | 6.0 | | |
| 4:15 PM | 18.78 | 83.0 | 5.09 | 4.0 | | |
| 4:20 PM | 18.79 | 84.0 | 5.07 | 3.3 | | |
| 4:25 PM | 18.72 | 83.0 | 5.04 | 2.3 | | |
| 4:30 PM | 18.77 | 84.0 | 5.05 | 2.4 | | |
| 4:35 PM | 18.81 | 83.0 | 5.05 | 2.3 | | |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 4:38 pm. Sampled Dup-original at 4:40 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/09/2002  Well No.: 123  Depth to Water: 22.31 ft

Total Depth of Well: 26 ft  Screen Interval: 16.5-25.5 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) |
|---|---|---|---|---|---|---|
| 2:35 PM | 21.54 | 92.0 | 5.35 | 152 | | |
| 2:40 PM | 22.41 | 96.0 | 5.18 | 54 | | |
| 2:45 PM | 22.63 | 87.0 | 5.12 | 161 | | 5 |
| 2:50 PM | 22.62 | 88.0 | 5.09 | 32 | | |
| 2:55 PM | 22.61 | 87.0 | 5.07 | 12 | | |
| 3:00 PM | 22.50 | 87.0 | 5.05 | 4.4 | | 10 |
| 3:05 PM | 22.65 | 87.0 | 5.04 | 2.1 | | |
| 3:10 PM | 22.58 | 87.0 | 5.04 | 1.5 | | |
| 3:15 PM | 22.63 | 87.0 | 5.03 | 1.0 | | 15 |
| 3:20 PM | 22.52 | 86.0 | 5.02 | 0.8 | | |
| 3:25 PM | 22.47 | 86.0 | 5.02 | 0.5 | | |
| 3:30 PM | 22.53 | 87.0 | 5.02 | 0.5 | | 20 |
| 3:35 PM | 22.45 | 87.0 | 5.02 | 0.4 | | |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 3:38 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/09/2002  Well No.: 223  Depth to Water: 22.3 ft

Total Depth of Well: 70 ft  Screen Interval: 60.5-69.5 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) |
|---|---|---|---|---|---|---|
| 4:20 PM | 19.83 | 65.0 | 5.57 | 68.2 | | |
| 4:25 PM* | 19.67 | 63.0 | 5.45 | 12.2 | | 5 |
| 4:45 PM | 18.56 | 68.0 | 5.45 | 27.5 | | |
| 4:50 PM | 19.48 | 62.0 | 5.33 | 18.3 | | |
| 4:55 PM | 19.46 | 62.0 | 5.23 | 7.6 | | 10 |
| 5:00 PM | 19.45 | 62.0 | 5.15 | 3.3 | | |
| 5:05 PM | 19.41 | 62.0 | 5.09 | 1.4 | | 15 |
| 5:10 PM | 19.40 | 62.0 | 5.04 | 1.0 | | |
| 5:15 PM | 19.40 | 62.0 | 5.01 | 0.8 | | 20 |
| 5:20 PM | 19.40 | 62.0 | 5.01 | 0.7 | | |
| 5:25 PM | 19.40 | 62.0 | 5.00 | 0.7 | | 25 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: *Pump broke at 4:25 pm. Fixed and resumed pumping at 4:45 pm. Sampled at 5:28 pm.

# TTL, Inc.
## Monitoring Well Sampling

| | | | |
|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/21/2002 | Well No.: 124 | Depth to Water: | 28.98 ft |
| Total Depth of Well: | 39 ft | Screen Interval: | 24.5-38.5 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) |
|---|---|---|---|---|---|---|
| 4:10 PM | 20.77 | 74.0 | 4.45 | >440 | | |
| 4:15 PM | 20.72 | 74.0 | 4.47 | 51 | | |
| 4:20 PM | 20.61 | 74.0 | 4.49 | 12 | | |
| 4:25 PM | 20.62 | 74.0 | 4.49 | 7.7 | | |
| 4:30 PM | 20.62 | 73.0 | 4.49 | 4.8 | | |
| 4:35 PM | 20.55 | 74.0 | 4.49 | 2.0 | | |
| 4:40 PM | 20.53 | 74.0 | 4.50 | 1.2 | | |
| 4:45 PM | 20.52 | 74.0 | 4.50 | 0.9 | | |
| 4:50 PM | 20.47 | 74.0 | 4.50 | 50 | | |
| 4:55 PM | 20.47 | 74.0 | 4.50 | 8.8 | | |
| 5:00 PM | 20.48 | 74.0 | 4.50 | 3.3 | | |
| 5:05 PM | 20.43 | 74.0 | 4.50 | 2.1 | | |
| 5:10 PM | 20.46 | 74.0 | 4.50 | 0.9 | | |
| 5:15 PM | 20.47 | 74.0 | 4.50 | 0.7 | | |
| 5:20 PM | 20.47 | 74.0 | 4.50 | 0.4 | | |
| 5:25 PM | 20.45 | 74.0 | 4.50 | 0.2 | | |
| 5:30 PM | 20.42 | 74.0 | 4.50 | 0.2 | | |
| 5:35 PM | 20.44 | 74.0 | 4.50 | 0.0 | | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 5:48 pm.

# TTL, Inc.
## Monitoring Well Sampling

| | | | | | |
|---|---|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | | | Job No.: | 0700-024 |
| Date: | 01/21/2002 | Well No.: | 124 | Depth to Water: | 28.98 ft |
| Total Depth of Well: | | 39 ft | | Screen Interval: | 24.5-38.5 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) |
|---|---|---|---|---|---|---|
| 5:40 PM | 20.40 | 74.0 | 4.50 | 7.0 | | |
| 5:45 PM | 20.39 | 74.0 | 4.50 | 0.0 | | 60 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 5:48 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/21/2002  Well No.: 224  Depth to Water: 29.11 ft

Total Depth of Well: 54 ft  Screen Interval: 44.5-53.5 ft

Development Method: Bladder Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 3:40 PM | 19.89 | 94.4 | 5.59 | 42 | 45 | |
| 3:45 PM | 19.96 | 92.3 | 5.49 | 6.6 | 45 | |
| 3:50 PM | 19.92 | 87.1 | 5.39 | 4.4 | 45 | |
| 3:55 PM | 20.01 | 83.3 | 5.28 | 4.0 | 45 | |
| 4:00 PM | 20.01 | 82.8 | 5.27 | 1.7 | 45 | |
| 4:05 PM | 19.94 | 81.2 | 5.22 | 1.6 | 45 | |
| 4:10 PM | 19.97 | 80.3 | 5.19 | 1.7 | 45 | |
| 4:15 PM | 19.96 | 79.6 | 5.16 | 1.6 | 45 | |
| 4:20 PM | 19.94 | 79.5 | 5.16 | 0.7 | 45 | |
| 4:25 PM | 19.94 | 79.0 | 5.13 | 0.6 | 45 | |
| 4:30 PM | 19.96 | 78.3 | 5.12 | 0.6 | 45 | 50 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Screened at 4:35 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/21/2002  Well No.: 125  Depth to Water: 17.61 ft

Total Depth of Well: 25 ft  Screen Interval: 15.5-24.5 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) |
|---|---|---|---|---|---|---|
| 12:05 PM | 21.75 | 65.0 | 4.79 | >440 | | |
| 12:10 PM | 21.79 | 65.0 | 4.86 | >440 | | |
| 12:15 PM | 21.75 | 66.0 | 4.77 | 287 | | |
| 12:20 PM | 21.70 | 65.0 | 4.74 | 157 | | |
| 12:25 PM | 21.68 | 65.0 | 4.74 | 56 | | |
| 12:30 PM | 21.71 | 65.0 | 4.74 | 35 | | |
| 12:35 PM | 21.70 | 65.0 | 4.75 | 25 | | |
| 12:40 PM | 21.71 | 65.0 | 4.75 | 17 | | |
| 12:45 PM | 21.72 | 65.0 | 4.75 | 12 | | |
| 12:50 PM | 21.73 | 65.0 | 4.76 | 8.3 | | |
| 12:55 PM | 21.71 | 65.0 | 4.76 | 4.9 | | |
| 1:00 PM | 21.72 | 65.0 | 4.76 | 3.8 | | |
| 1:05 PM | 21.73 | 65.0 | 4.75 | 2.4 | | |
| 1:10 PM | 21.74 | 65.0 | 4.75 | 1.4 | | |
| 1:15 PM | 21.72 | 65.0 | 4.75 | 1.1 | | |
| 1:20 PM | 21.73 | 65.0 | 4.75 | 1.0 | | |
| 1:25 PM | 21.74 | 65.0 | 4.75 | 1.0 | | 70 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 1:28 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/21/2002  Well No.: 225  Depth to Water: 17.52 ft

Total Depth of Well: 40.5 ft  Screen Interval: 31-40 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) |
|---|---|---|---|---|---|---|
| 2:10 PM | 21.27 | 136 | 7.83 | 79 | | |
| 2:15 PM | 21.30 | 107 | 6.74 | 39 | | |
| 2:20 PM | 21.27 | 109 | 6.27 | 21 | | |
| 2:25 PM | 21.28 | 109 | 6.13 | 13 | | |
| 2:30 PM | 21.25 | 102 | 5.96 | 9.1 | | |
| 2:35 PM | 21.22 | 96.0 | 5.82 | 4.5 | | |
| 2:40 PM | 21.26 | 92.0 | 5.70 | 2.4 | | |
| 2:45 PM | 21.28 | 92.0 | 5.64 | 1.8 | | |
| 2:50 PM | 21.26 | 93.0 | 5.59 | 1.3 | | |
| 2:55 PM | 21.27 | 92.0 | 5.50 | 0.6 | | |
| 3:00 PM | 21.26 | 90.0 | 5.47 | 0.3 | | |
| 3:05 PM | 21.22 | 89.0 | 5.45 | 0.3 | | |
| 3:10 PM | 21.25 | 88.0 | 5.42 | 0.3 | | 40 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 3:13 pm. Sampled Dup-original at 3:16 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/17/2002  Well No.: 226  Depth to Water: 15 ft

Total Depth of Well: 21 ft  Screen Interval: 11.5-20.5 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 2:20 PM | 21.32 | 60.0 | 4.94 | >440 | | |
| 2:25 PM | 21.30 | 61.0 | 4.92 | 210 | | |
| 2:30 PM | 21.34 | 61.0 | 4.87 | 146 | | |
| 2:35 PM | 21.35 | 60.0 | 4.87 | 65 | | |
| 2:40 PM | 21.34 | 61.0 | 4.87 | 29 | | |
| 2:45 PM | 21.28 | 61.0 | 4.85 | 21 | | |
| 2:50 PM | 21.29 | 61.0 | 4.84 | 13 | | |
| 2:55 PM | 21.31 | 61.0 | 4.84 | 6.9 | | |
| 3:00 PM | 21.29 | 61.0 | 4.84 | 6.2 | | |
| 3:05 PM | 21.29 | 61.0 | 4.84 | 16 | | |
| 3:10 PM | 21.28 | 61.0 | 4.84 | 15 | | |
| 3:15 PM | 21.28 | 61.0 | 4.84 | 14 | | |
| 3:20 PM | 21.30 | 61.0 | 4.84 | 12 | | |
| 3:25 PM | 21.20 | 61.0 | 4.84 | 8.9 | | |
| 3:30 PM | 21.23 | 61.0 | 4.84 | 4.4 | | |
| 3:35 PM | 21.20 | 61.0 | 4.84 | 3.4 | | |
| 3:40 PM | 21.22 | 61.0 | 4.84 | 2.2 | | |
| 3:45 PM | 21.23 | 61.0 | 4.84 | 1.3 | | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 4:08 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/17/2002  Well No.: 226  Depth to Water: 15 ft

Total Depth of Well: 21 ft  Screen Interval: 11.5-20.5 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 3:50 PM | 21.21 | 61.0 | 4.84 | 3.9 | | |
| 3:55 PM | 21.18 | 61.0 | 4.84 | 4.8 | | |
| 4:00 PM | 21.17 | 61.0 | 4.84 | 4.9 | | |
| 4:05 PM | 21.15 | 61.0 | 4.80 | 4.6 | | 72 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 4:08 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/17/2002  Well No.: 227  Depth to Water: 10.75 ft

Total Depth of Well: 27.5 ft  Screen Interval: 18-27 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 12:25 PM | 20.42 | 66.0 | 4.77 | >440 | | |
| 12:30 PM | 20.66 | 66.0 | 4.87 | 222 | | |
| 12:35 PM | 20.65 | 65.0 | 4.87 | 63 | | |
| 12:40 PM | 20.64 | 65.0 | 4.80 | 16 | | |
| 12:45 PM | 20.60 | 63.0 | 4.78 | 7.5 | | |
| 12:50 PM | 20.67 | 63.0 | 4.79 | 5.4 | | |
| 12:55 PM | 20.68 | 64.0 | 4.78 | 4.0 | | |
| 1:00 PM | 20.62 | 64.0 | 4.78 | 3.0 | | |
| 1:05 PM | 20.63 | 64.0 | 4.78 | 2.8 | | |
| 1:10 PM | 20.68 | 64.0 | 4.78 | 2.7 | | |
| 1:15 PM | 20.60 | 64.0 | 4.78 | 2.2 | | |
| 1:20 PM | 20.61 | 64.0 | 4.78 | 2.5 | | |
| 1:25 PM | 20.59 | 64.0 | 4.78 | 1.8 | | |
| 1:30 PM | 20.62 | 64.0 | 4.77 | 1.8 | | |
| 1:35 PM | 20.60 | 64.0 | 4.77 | 1.7 | | 40 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 1:38 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/04/2002 Well No.: 128 Depth to Water: 20.75 ft

Total Depth of Well: 26.5 ft Screen Interval: 17-26 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Kyle Massey

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 1:05 PM | 16.94 | 61.0 | 5.07 | 61.4 | | |
| 1:10 PM | 19.87 | 60.0 | 5.13 | 31.4 | | |
| 1:15 PM | 20.03 | 61.0 | 5.10 | 8.0 | | |
| 1:20 PM | 19.53 | 62.0 | 5.06 | 3.2 | | |
| 1:25 PM | 19.52 | 60.0 | 5.07 | 1.9 | | |
| 1:30 PM | 19.76 | 62.0 | 5.04 | 0.8 | | |
| 1:35 PM | 19.28 | 62.0 | 5.07 | 0.7 | | |
| 1:40 PM | 19.20 | 62.0 | 5.05 | 0.8 | | 10 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 1:43 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/04/2002 Well No.: 228 Depth to Water: 20.92 ft

Total Depth of Well: 50.5 ft Screen Interval: 41-50 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Kyle Massey

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 2:20 PM | 17.70 | 104 | 5.19 | 36.8 | | |
| 2:25 PM | 18.24 | 101 | 5.09 | 18.6 | | |
| 2:30 PM | 18.13 | 104 | 5.12 | 12.9 | | |
| 2:35 PM | 18.52 | 105 | 5.13 | 9.2 | | |
| 2:40 PM | 18.19 | 106 | 5.13 | 7.3 | | |
| 2:45 PM | 18.50 | 106 | 5.12 | 6.8 | | |
| 2:50 PM | 19.01 | 106 | 5.12 | 5.2 | | |
| 2:55 PM | 18.74 | 106 | 5.11 | 5.4 | | |
| 3:00 PM | 18.96 | 107 | 5.12 | 4.6 | | |
| 3:05 PM | 18.82 | 106 | 5.10 | 4.5 | | |
| 3:10 PM | 18.99 | 105 | 5.09 | 4.2 | | 18 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 3:13 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/22/2002  Well No.: 129  Depth to Water: 20.06 ft

Total Depth of Well: 27.5 ft  Screen Interval: 18-27 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) |
|---|---|---|---|---|---|---|
| 12:55 PM | 21.57 | 69.0 | 4.45 | 102 | | |
| 1:00 PM | 21.58 | 71.0 | 4.40 | 4.0 | | |
| 1:05 PM | 21.58 | 72.0 | 4.40 | 1.6 | | |
| 1:10 PM | 21.57 | 72.0 | 4.41 | 0.5 | | |
| 1:15 PM | 21.56 | 72.0 | 4.41 | 0.6 | | |
| 1:20 PM | 21.58 | 72.0 | 4.41 | 0.6 | | |
| 1:25 PM | 21.61 | 72.0 | 4.41 | 0.6 | | 20 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 1:28 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/22/2002 Well No.: 229 Depth to Water: 19.77 ft

Total Depth of Well: 40 ft Screen Interval: 30.5-39.5 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) |
|---|---|---|---|---|---|---|
| 1:55 PM | 21.16 | 71.0 | 4.85 | 42 | | |
| 2:00 PM | 21.28 | 71.0 | 4.86 | 21 | | |
| 2:05 PM | 21.23 | 71.0 | 4.86 | 12 | | |
| 2:10 PM | 21.21 | 71.0 | 4.86 | 9.1 | | |
| 2:15 PM | 21.27 | 71.0 | 4.85 | 7.1 | | |
| 2:20 PM | 21.21 | 71.0 | 4.85 | 7.0 | | |
| 2:25 PM | 21.27 | 71.0 | 4.85 | 5.8 | | |
| 2:30 PM | 21.29 | 71.0 | 4.84 | 5.7 | | |
| 2:35 PM | 21.25 | 71.0 | 4.84 | 5.8 | | 25 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 2:38 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/21/2002  Well No.: 130  Depth to Water: 21.38 ft

Total Depth of Well: 28 ft  Screen Interval: 18.5-27.5 ft

Development Method: Bladder Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 1:46 PM | 20.29 | 60.5 | 6.07 | >440 | 45 | |
| 1:51 PM | 20.53 | 67.2 | 5.09 | 28.60 | 45 | |
| 1:56 PM | 20.65 | 70.1 | 5.01 | 4.10 | 45 | |
| 2:01 PM | 20.53 | 72.2 | 4.96 | 3.20 | 45 | |
| 2:06 PM | 20.71 | 74.2 | 4.98 | 3.30 | 45 | |
| 2:11 PM | 20.57 | 75.7 | 4.95 | 1.90 | 45 | |
| 2:16 PM | 20.65 | 76.0 | 4.93 | 1.30 | 45 | |
| 2:21 PM | 20.55 | 76.1 | 4.89 | 1.30 | 45 | |
| 2:26 PM | 20.62 | 77.7 | 4.90 | 1.30 | 45 | |
| 2:31 PM | 20.46 | 77.9 | 4.89 | 1.20 | 45 | |
| 2:36 PM | 20.69 | 78.0 | 4.89 | 1.30 | 45 | 60 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 2:40 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/21/2002  Well No.: 230  Depth to Water: 21.34 ft

Total Depth of Well: 51.5 ft  Screen Interval: 42-51 ft

Development Method: Bladder Pump

Personnel: Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 11:46 AM | 19.89 | 114 | 6.93 | 9.5 | 50 | |
| 11:51 AM | 20.11 | 104 | 6.53 | 8.2 | 50 | |
| 11:56 AM | 20.55 | 105 | 6.09 | 4.3 | 50 | |
| 12:01 PM | 20.10 | 109 | 5.86 | 3.5 | 50 | |
| 12:06 PM | 20.15 | 110 | 5.73 | 2.5 | 50 | |
| 12:11 PM | 20.04 | 111 | 5.61 | 2.5 | 50 | |
| 12:16 PM | 20.04 | 110 | 5.53 | 2.0 | 50 | |
| 12:21 PM | 20.03 | 110 | 5.46 | 1.5 | 50 | |
| 12:26 PM | 20.06 | 104 | 5.40 | 1.5 | 50 | |
| 12:31 PM | 20.08 | 109 | 5.35 | 1.5 | 50 | |
| 12:36 PM | 20.04 | 109 | 5.33 | 1.5 | 45 | |
| 12:41 PM | 20.01 | 109 | 5.32 | 1.6 | 45 | |
| 12:46 PM | 20.01 | 109 | 5.32 | 1.5 | 45 | 70 |
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| Chlorine | Detected | | Time |
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| | Yes | No | |

Comments: No cap or lock on well. (Replaced latex glove.) Sampled at 12:50 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/16/2002  Well No.: 131  Depth to Water: 11.01 ft

Total Depth of Well: 24.0  Screen Interval: 17-23.5 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 12:40 PM | 18.94 | 62.0 | 5.35 | >440 | | |
| 12:45 PM | 18.90 | 54.0 | 5.35 | 333 | | |
| 12:50 PM | 19.05 | 51.0 | 5.23 | 262 | | 5 |
| 12:55 PM | 19.08 | 51.0 | 5.20 | 158 | | |
| 1:00 PM | 19.09 | 51.0 | 5.17 | 97 | | |
| 1:05 PM | 18.91 | 51.0 | 5.13 | 81 | | |
| 1:10 PM | 19.12 | 51.0 | 5.13 | 69 | | |
| 1:15 PM | 19.09 | 51.0 | 5.16 | 52 | | |
| 1:20 PM | 18.96 | 51.0 | 5.16 | 34 | | |
| 1:25 PM | 19.06 | 50.0 | 5.17 | 22 | | |
| 1:30 PM | 19.06 | 50.0 | 5.17 | 15 | | |
| 1:35 PM | 18.99 | 50.0 | 5.17 | 11 | | |
| 1:40 PM | 19.05 | 50.0 | 5.17 | 8.0 | | 30 |
| 1:45 PM | 19.17 | 51.0 | 5.16 | 6.2 | | |
| 1:50 PM | 19.12 | 51.0 | 5.16 | 5.4 | | |
| 1:55 PM | 19.19 | 51.0 | 5.16 | 4.4 | | |
| 2:00 PM | 19.10 | 52.0 | 5.16 | 3.8 | | |
| 2:05 PM | 19.14 | 52.0 | 5.16 | 3.4 | | |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 2:33 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/16/2002  Well No.: 131  Depth to Water: 11.01 ft

Total Depth of Well: 24.0  Screen Interval: 17-23.5 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 2:10 PM | 19.11 | 52.0 | 5.16 | 2.5 | | |
| 2:15 PM | 19.07 | 52.0 | 5.16 | 2.5 | | |
| 2:20 PM | 19.02 | 52.0 | 5.16 | 3.5 | | |
| 2:25 PM | 18.94 | 52.0 | 5.16 | 3.4 | | |
| 2:30 PM | 18.97 | 52.0 | 5.16 | 3.6 | | 55 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 2:33 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/16/2002  Well No.: 231  Depth to Water: 11.10 ft

Total Depth of Well: 33 ft  Screen Interval: 28.5-32.5 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 3:05 PM | 18.71 | 91.0 | 5.85 | 40 | | |
| 3:10 PM | 18.86 | 67.0 | 5.55 | 3.4 | | 5 |
| 3:15 PM | 18.84 | 64.0 | 5.50 | 3.4 | | |
| 3:20 PM | 18.85 | 64.0 | 5.33 | 1.5 | | |
| 3:25 PM | 18.80 | 63.0 | 5.30 | 1.4 | | |
| 3:30 PM | 18.81 | 62.0 | 5.29 | 1.4 | | |
| 3:35 PM | 18.78 | 61.0 | 5.28 | 0.7 | | |
| 3:40 PM | 18.79 | 61.0 | 5.28 | 1.0 | | |
| 3:45 PM | 18.79 | 61.0 | 5.27 | 1.0 | | |
| 3:50 PM | 18.76 | 60.0 | 5.27 | 1.1 | | 45 |
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| Chlorine | Detected | | Time |
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| | Yes | No | |

Comments: Sampled at 3:53 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/09/2002  Well No.: 132  Depth to Water: 22.36 ft

Total Depth of Well: 29 ft  Screen Interval: 19.5-28.5 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) |
|---|---|---|---|---|---|---|
| 10:40 AM | 20.17 | 141 | 5.01 | 339 | | |
| 10:45 AM | 20.26 | 128 | 5.07 | 182 | | |
| 10:50 AM | 20.17 | 118 | 5.06 | 101 | | 5 |
| 10:55 AM | 19.96 | 115 | 5.01 | 37 | | |
| 11:00 AM | 19.87 | 114 | 4.97 | 23 | | |
| 11:05 AM | 20.06 | 111 | 4.92 | 21 | | 10 |
| 11:10 AM | 20.04 | 109 | 4.90 | 18 | | |
| 11:15 AM | 20.09 | 107 | 4.89 | 5.3 | | |
| 11:20 AM | 20.09 | 106 | 4.88 | 2.3 | | 15 |
| 11:25 AM | 20.09 | 105 | 4.87 | 1.8 | | |
| 11:30 AM | 20.10 | 104 | 4.86 | 1.4 | | |
| 11:35 AM | 20.16 | 105 | 4.85 | 0.6 | | 20 |
| 11:40 AM | 20.18 | 105 | 4.84 | 0.7 | | |
| 11:45 AM | 20.04 | 105 | 4.83 | 0.7 | | 23.3 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Sampled at 11:48 am.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/09/2002 Well No.: 232 Depth to Water: 22.48 ft

Total Depth of Well: 55.5 ft Screen Interval: 46-55 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) |
|---|---|---|---|---|---|---|
| 12:15 PM | 18.48 | 77.0 | 5.33 | 15 | | |
| 12:20 PM | 18.95 | 70.0 | 5.34 | 13 | | |
| 12:25 PM | 19.62 | 68.0 | 5.30 | 7.4 | | |
| 12:30 PM | 19.76 | 67.0 | 5.29 | 5.9 | | 5 |
| 12:35 PM | 19.72 | 67.0 | 5.30 | 6.9 | | |
| 12:40 PM | 19.80 | 67.0 | 5.29 | 6.0 | | 10 |
| 12:45 PM | 19.82 | 67.0 | 5.30 | 5.6 | | |
| 12:50 PM | 19.77 | 67.0 | 5.30 | 4.5 | | 15 |
| 12:55 PM | 19.81 | 68.0 | 5.30 | 4.3 | | |
| 1:00 PM | 19.77 | 68.0 | 5.30 | 4.0 | | 20 |
| 1:05 PM | 19.87 | 68.0 | 5.29 | 3.4 | | |
| 1:10 PM | 19.79 | 69.0 | 5.29 | 3.5 | | 25 |
| 1:15 PM | 19.84 | 68.0 | 5.29 | 3.5 | | 27.5 |
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| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Increased pump rate at 12:25 pm. Sampled at 1:18 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/17/2002  Well No.: 133  Depth to Water: 10.6 ft

Total Depth of Well: 18.5 ft  Screen Interval: 9-18 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 9:00 AM | 18.65 | 56.0 | 5.54 | >440 | | |
| 9:05 AM | 19.29 | 59.0 | 4.42 | 50 | | |
| 9:10 AM | 19.32 | 59.0 | 4.41 | 11 | | |
| 9:15 AM* | 19.34 | 59.0 | 4.40 | 2.4 | | |
| 9:50 AM | 19.29 | 59.0 | 4.79 | 14 | | |
| 9:55 AM | 19.44 | 60.0 | 4.47 | 4.5 | | |
| 10:00 AM | 19.45 | 60.0 | 4.45 | 2.6 | | |
| 10:05 AM | 19.46 | 60.0 | 4.44 | 2.2 | | |
| 10:10 AM | 19.53 | 59.0 | 4.43 | 1.7 | | |
| 10:15 AM | 19.41 | 60.0 | 4.42 | 1.3 | | |
| 10:20 AM | 19.47 | 60.0 | 4.40 | 1.1 | | |
| 10:25 AM | 19.46 | 60.0 | 4.40 | 1.0 | | |
| 10:30 AM | 19.58 | 60.0 | 4.39 | 1.0 | | 40 |
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| Chlorine | Detected | | Time |
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| | Yes | No | |

Comments: *Control box malfunctioned between 9:15 am to 9:50 am. Sampled at 10:33 am.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/17/2002  Well No.: 233  Depth to Water: 10.41 ft

Total Depth of Well: 30.5 ft  Screen Interval: 26-30 ft

Development Method: Bladder Pump

Personnel: Brad Baker & Steve Moore

| Time | Temperature (C°) | Specific Conductance (µmhos) | pH (s.u.) | Turbidity (ntu) | Controller Settings (psi) | Volume Pumped (gallons) |
|---|---|---|---|---|---|---|
| 11:09 AM | 19.87 | 56.0 | 4.62 | 64.7 | | |
| 11:05 AM | 19.95 | 56.0 | 4.65 | 23.8 | | |
| 11:10 AM | 19.97 | 57.0 | 4.56 | 8.6 | | |
| 11:15 AM | 19.99 | 57.0 | 4.55 | 7.8 | | |
| 11:20 AM | 19.96 | 57.0 | 4.56 | 7.4 | | |
| 11:25 AM | 20.03 | 56.0 | 4.64 | 6.3 | | |
| 11:30 AM | 20.07 | 56.0 | 4.56 | 4.5 | | |
| 11:35 AM | 20.05 | 57.0 | 4.55 | 2.8 | | |
| 11:40 AM | 20.00 | 57.0 | 4.61 | 2.9 | | |
| 11:45 AM | 20.02 | 57.0 | 4.61 | 2.9 | | 28 |
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| Chlorine | Detected | | Time |
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| | Yes | No | |

Comments: Sampled at 11:48 am.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/10/2002  Well No.: 134  Depth to Water: 15.39 ft

Total Depth of Well: 26 ft  Screen Interval: 11.5-25.5 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) |
|---|---|---|---|---|---|---|
| 12:25 PM | 22.93 | 39.0 | 7.50 | 231 | | |
| 12:30 PM | 23.24 | 44.0 | 5.80 | 16 | | 5 |
| 12:35 PM | 23.23 | 44.0 | 5.63 | 42 | | |
| 12:40 PM | 23.20 | 44.0 | 5.60 | 60 | | 10 |
| 12:45 PM | 23.22 | 44.0 | 5.50 | 58 | | |
| 12:50 PM | 23.20 | 44.0 | 5.47 | 40 | | 15 |
| 12:55 PM | 23.20 | 44.0 | 5.49 | 28 | | |
| 1:00 PM | 23.20 | 44.0 | 5.46 | 22 | | 20 |
| 1:05 PM | 23.22 | 44.0 | 5.43 | 26 | | |
| 1:10 PM | 23.20 | 44.0 | 5.38 | 18 | | 25 |
| 1:15 PM | 23.23 | 44.0 | 5.36 | 12 | | |
| 1:20 PM | 23.22 | 44.0 | 5.35 | 9.2 | | 30 |
| 1:25 PM | 23.22 | 45.0 | 5.35 | 6.6 | | |
| 1:30 PM | 23.22 | 45.0 | 5.34 | 6.1 | | 35 |
| 1:35 PM | 23.31 | 45.0 | 5.32 | 6.4 | | |
| 1:40 PM | 23.29 | 45.0 | 5.29 | 5.2 | | 40 |
| 1:45 PM | 23.22 | 45.0 | 5.23 | 4.0 | | |
| 1:50 PM | 23.21 | 45.0 | 5.21 | 3.6 | | 45 |

| Chlorine | Detected | | Time |
|---|---|---|---|
| | Yes | No | |

Comments: Decreased flow at 12:25 pm. Increased flow at 12:40 pm. Sampled at 2:13 pm.

# TTL, Inc.
## Monitoring Well Sampling

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|---|---|---|---|
| Facility Name: | ALDOT/Coliseum Blvd Plume | Job No.: | 0700-024 |
| Date: 01/10/2002 | Well No.: 134 | Depth to Water: | 15.39 ft |
| Total Depth of Well: | 26 ft | Screen Interval: | 11.5-25.5 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) |
|---|---|---|---|---|---|---|
| 1:55 PM | 23.21 | 45.0 | 5.19 | 3.1 | | |
| 2:00 PM | 23.22 | 45.0 | 5.18 | 2.7 | | 50 |
| 2:05 PM | 23.23 | 45.0 | 5.14 | 2.5 | | |
| 2:10 PM | 23.22 | 45.0 | 5.12 | 2.0 | | 55 |
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| Chlorine | Detected | | Time |
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| | Yes | No | |

Comments: Decreased flow at 12:25 pm. Increased flow at 12:40 pm. Sampled at 2:13 pm.

# TTL, Inc.
## Monitoring Well Sampling

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

Date: 01/10/2002 Well No.: 234 Depth to Water: 15.55 ft

Total Depth of Well: 39.5 ft Screen Interval: 35-39 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) |
|---|---|---|---|---|---|---|
| 2:40 PM | 22.37 | 80.0 | 5.42 | 38 | | |
| 2:45 PM | 22.34 | 82.0 | 5.43 | 10 | | 3.33 |
| 2:50 PM | 22.33 | 82.0 | 5.35 | 7.5 | | |
| 2:55 PM | 22.32 | 82.0 | 5.32 | 5.7 | | 10 |
| 3:00 PM | 22.33 | 82.0 | 5.29 | 3.4 | | |
| 3:05 PM | 22.31 | 82.0 | 5.24 | 5.9 | | 16.66 |
| 3:10 PM | 22.30 | 82.0 | 5.21 | 3.1 | | |
| 3:15 PM | 22.28 | 82.0 | 5.18 | 1.7 | | |
| 3:20 PM | 22.29 | 81.0 | 5.14 | 1.9 | | |
| 3:25 PM | 22.26 | 82.0 | 5.11 | 1.9 | | 30 |
| 3:30 PM | 22.30 | 82.0 | 5.09 | 1.9 | | 33.3 |
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| Chlorine | Detected | | Time |
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| | Yes | No | |

Comments: Sampled at 3:33 pm.