

P S A R E P O R T

**PRELIMINARY SITE ASSESSMENT
PARCEL 28
TRAILWAY LAUNDRY PROPERTY
320 EAST KING STREET
BOONE, WATAUGA COUNTY,
NORTH CAROLINA
WBS ELEMENT 35015.1.1
TIP U-4020**

Prepared for

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Certification

This Report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my thorough inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.



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6-19-8
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1.1 INTRODUCTION

This report documents a Preliminary Site Assessment (PSA) conducted by URS Corporation – North Carolina (URS) on behalf of the North Carolina Department of Transportation (NCDOT). The assessment area is located within a proposed NCDOT Right-of-Way (ROW) and/or construction easement necessary for the planned expansion of US 421 (King Street) from US 321 (Hardin Street) to east of NC 194 (Jefferson Road). This PSA was conducted in Boone, Watauga County, North Carolina (**Figure 1**) for Parcel 28, Trailway Laundry Property, located at 320 East King Street. Only the portion of Parcel 28 lying within the proposed ROW or permanent drainage easement (PDE) was evaluated for this PSA.

This PSA was performed in general accordance with:

- NCDOT’s February 20, 2008 Request for Technical and Cost Proposal (RFP) entitled: Request for Technical and Cost Proposal, Preliminary Site Assessment, Parcel 28, Trailway Laundry Property. The RFP established the following scope of work (SOW) for the project:
 - Locate all underground storage tanks (USTs) and determine approximate size and contents (if any).
 - Determine if contaminated soils are present.
 - If contamination is evident, estimate the quantity of impacted soils and indicate the approximate area of soil contamination on a Site map.
 - Prepare a report including field activities, findings, and recommendations for the Site and submit the report to NCDOT in triplicate.
- URS’s March 7, 2008 Technical and Cost Proposal entitled: Revised Technical and Cost Proposal, Preliminary Site Assessment, Parcel 28, Trailway Laundry Property.
- NCDOT’s March 7, 2008 Notice to Proceed, Preliminary Site Assessment, Parcel 28, Trailway Laundry Property.
- Personal Communication between URS and NCDOT on various dates beginning April 10, 2008 regarding additional site work needed to delineate apparent soil impacts.

The project included a geophysical survey, soil sampling and temporary monitoring well installation using a Geoprobe[®] rig, groundwater sampling, and laboratory analyses of groundwater and selected soil samples from within the proposed ROW/construction easement and the PDE. The geophysical survey was first conducted by URS in order to assess the locations of any USTs within the subject areas. Based on the results of the geophysical survey and anecdotal evidence, boring locations were identified and the direct-push borings were completed by a qualified drilling subcontractor (SAEDACCO of Fort Mill, South Carolina) under the supervision of a URS geologist. Based on preliminary field screening results, additional borings were installed at several locations from within the dry cleaning building during a second mobilization to assess impacted soil conditions beneath the building floor. Analyses of soil and groundwater samples were performed by Prism Laboratories, Inc. (Prism) of Charlotte, North Carolina under direct contract with NCDOT.

1.2 BACKGROUND

The objective for this PSA is to assess the Site for impacted soil and to delineate potential impacts found in soils. The Site location relative to the Town of Boone and the project area is shown in **Figure 1**, and its location relative to the adjacent project parcels along with major project features is shown in **Figure 2**. US 421 runs east/west through Boone, NC, and the parcel is located at the southwest corner of the intersection of US 421 (East King Street) and Hillside Drive (see **Appendix A** for photographs). The parcel includes the Trailway Laundry and dry cleaning facility building along King Street and an open area along the south portion of the parcel. The parcel slopes downward to the south and away from King Street allowing two story construction in the rear of the building. The parcel lies at an elevation of approximately 3,250 feet above mean sea level (ft msl).

The owner of the parcel and dry cleaning business indicated that the business was founded at the King Street location in the 1950's and had been the site of dry cleaning operations since that time. The two story building houses dry cleaning units near the northwest corner of the upper floor with laundry units, steamers, and storage located throughout the rest of the upper floor. The lower floor (walkout basement) includes storage, former and current boilers, and an above ground storage tank (AST) for diesel. The owner indicated that a diesel UST was previously removed from an area southwest of the building and outside the proposed right-of-way.

The areas of interest are within the proposed ROW which encompasses over 100 ft along King Street, over 250 ft along Hillside Drive, and the 20 ft wide PDE strip that spans the entire parcel near the southern boundary of the property.

2.1 GEOPHYSICAL SURVEY

The geophysical survey for Parcel 28 was conducted between March 18 and 22, 2008 by URS using the electromagnetic (EM) method augmented by ground-penetrating radar (GPR). The EM survey was completed using the Geonics, Ltd. EM-61 MKII (EM-61). The objective of the geophysical survey was to locate USTs or anomalies within the proposed ROW of US 421. A Trimble ProXRS global positioning system (GPS) was used to record simultaneous positional data coincident with the EM-61 data. EM-61 data were collected along parallel profiles spaced approximately three feet apart across the survey area. Data were recorded at a rate of five readings per second, which equates to an along-profile data point spacing of less than one foot. The acquired differential GPS (DGPS) has a horizontal accuracy of approximately three feet. URS also used the GPS system to record the locations of relevant Site features.

The EM-61 data were processed in the field using the program DAT61 MK2 (Geonics Ltd). The program was used primarily to prepare the data for contouring in Surfer (Golden Software, Inc.). The contoured EM-61 Channel 3 responses (data recorded at the second latest time interval along the response decay curve) were used to layout boring locations throughout the entire parcel. The late time response data provide enhanced detection of objects with longer decay rates which are characteristic of larger objects such as USTs. The effectiveness of the EM-61 for detection of buried objects is negatively affected by interference from surface or near-surface features (e.g. reinforced concrete, buried catch basins, etc.). The objective of augmenting the EM-61 survey with follow-up GPR surveying was to further characterize identified EM-61 anomalies that could not be readily attributed to existing site features.

Follow-up GPR surveying was then conducted using a Sensors & Software, Inc. Noggin PLUS Smart Cart System with a 250 MHz scanning antenna. The GPR survey was conducted within sections of the parcel that exhibited widespread large EM responses due to the presence of buildings, reinforced concrete, or other site-specific features. GPR surveying consisted of in-field analysis of real-time data, and as a result, no post-processing of the data was completed.

2.2 SOIL BORING INSTALLATION AND SOIL SAMPLING

Sixteen Geoprobe[®] direct-push soil borings, P28-1 through P28-16, were installed between April 8 and April 11, 2008 to assess the Site for impacted soil to a target depth of 21 ft bgs. The locations of the soil borings are shown on **Figure 3**. The majority of the borings were positioned around the perimeter of the dry cleaning building; however, two borings, P28-12 and P28-14, were located within the separate PDE located along the rear of the parcel. Soil samples were collected and logged continuously at each soil boring location. Soil sample aliquots were field screened for organic vapors with a MiniRae[®] brand photo-ionization detection (PID) instrument calibrated daily with 100 parts per million (ppm) isobutylene.

Soil samples from selected intervals were collected from each boring (P28-1 through P28-16) during the soil investigations for laboratory analysis. The samples were analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO) using USEPA Method 8015B. In addition, because the parcel has been used as a dry cleaning facility, selected samples were also analyzed for Volatile Organic Compounds (VOCs) using USEPA Method 8260 to evaluate the presence of typical dry cleaning solvents including Tetrachloroethene (PCE). A total of 17 samples were collected for TPH analysis, and of those, 13 were also analyzed for VOCs.

Based on the positive organic vapor response in P28-1 and a more complete reconnaissance of the parcel, URS was directed by NCDOT to conduct additional sampling to evaluate the following:

- Soil conditions beneath the floor slab in the vicinity of the dry cleaning units located in the northwest portion of the building,
- Soil conditions beneath the floor slab in the vicinity of the diesel AST and boilers located in the lower level,
- Soil conditions at additional locations outside the portion of the building containing the dry cleaning units, and
- Groundwater conditions at the downgradient portion of the parcel within the PDE.

Direct-push Geoprobe[®] and hand auger equipment was remobilized and an additional ten borings were installed between May 6 and May 8, 2008 to assess soil and groundwater conditions as noted above. The floor slab was cored in several areas and three borings were hand augered in the vicinity of the dry cleaning units (P28-19, 20, and 21), and three borings were hand augered in the basement area (P28-22, 23, and 24). Two Geoprobe[®] direct-push soil borings were installed outside the dry cleaning area (P28-25 and 26), and two borings were installed within the PDE (P28-17 and 18). Of these, P28-17 and P28-26 were drilled deeper (see **Table 1**), and P28-17 was converted into a monitoring well. 1-inch diameter PVC screen and casing was installed through the Geoprobe rod and a sand filter pack was poured in.

Soil sample aliquots were field screened for organic vapors with a PID and soil samples from selected intervals were collected from each boring for laboratory analysis. The soil samples were analyzed for TPH (GRO/DRO) and were also analyzed for VOCs to evaluate the presence of PCE. A total of 10 soil samples were collected for TPH analysis and eleven for VOC analysis. A single groundwater sample was collected from P28-17 and submitted for VOC analysis.

2.3 QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES

While in the field, pertinent observations were recorded in a logbook maintained by the URS field representative. This included pertinent field data collection activities and other observations as appropriate. Each sample collected for laboratory analysis was assigned a unique sample identification number and placed in laboratory supplied containers appropriate for the parameters being analyzed. Samples collected for laboratory analyses were stored on ice in insulated coolers immediately following collection. Information on the custody, transfer, handling, and shipping of all samples was recorded on a chain-of-custody form that accompanied the samples to the laboratory.

Soil analytical data were evaluated based on the *Contract Laboratory Program National Functional Guidelines for Organic Data Review* (USEPA, October 1999). Sample results have been qualified based on the results of the data review process and are considered representative and valid for the purpose of this report.

The EM-61 results are provided as a color enhanced contour map for use in the field during the drilling operation (**Figure 4**). The map differentiates areas interpreted as background from areas of relatively high EM responses that are generally indicative of large buried metal objects or surface or near-surface features (e.g. suspected underground utilities, guard rail, fence). Interpretation of in-field data analysis revealed no EM anomalies indicative of USTs within the areas of Parcel 28 surveyed. However, the EM-61 results indicated widespread areas of elevated responses as shown on **Figure 4**. Follow-up GPR surveying was therefore conducted in several areas of Parcel 28 to further evaluate the potential presence of USTs and the GPR survey did not indicate the presence of any USTs.

One area of interest was the negative response (light blue) seen at the northwest corner of the Parcel 28 building (**Figure 4**). Negative EM-61 responses are typically indicative of surface metal or interference from metallic objects at the surface. At the time of the field investigation, the EM-61 and GPR did not indicate an UST present, and the subsequent interpretation of the EM-61 data indicated that the negative response was likely due to interference from the building at Parcel 28. However, subsequent intrusive investigations identified a UST situated approximately 3 ft north of the northwest corner of the building (see below for additional details). The UST was not identified in the EM-61 results because interpretations indicated the response was likely due to interference from the building itself.

A total of 26 soil borings were completed during the PSA investigation at Parcel 28 as shown on **Figures 3** and **5**. With a few exceptions, the direct-push Geoprobe® borings were generally advanced to a minimum 12 ft bgs, and the hand auger borings were advanced to 6 ft bgs. The exceptions are as follows:

- P28-15 and P28-16 were advanced to 16 ft bgs to assess deeper conditions in the vicinity of the former diesel UST that was reported by the owner to be removed (see **Figure 5** for location),
- P28-17 was advanced to a depth of 24 ft bgs to assess groundwater conditions,
- P28-26 was advanced to a depth of 20 ft bgs to assess deeper conditions downgradient from the suspected dry cleaning solvent release, and
- Hand auger borings P28-20 and P28-21 met refusal at 2 ft and were terminated.

Boring locations are shown in **Figure 3** and boring logs are provided in **Appendix B**. The soil is generally described as predominantly light brown, loose, silty sand. Groundwater was encountered at approximately 20 ft bgs in P28-17 and the boring was advanced to 24 ft bgs where monitoring well screen was placed (see **Appendix B** for the well completion diagram). Depth to groundwater was measured at approximately 21.5 ft bgs as shown in **Figures 3** and **5**.

Soil headspace screening readings and laboratory results (TPH as GRO and DRO and PCE) of soil samples collected from each soil boring are summarized in **Table 1** along with the Unified Soil Classification System (USCS) lithology. The complete laboratory report is included in **Appendix C**.

Elevated PID readings were observed in several soil borings as highlighted in **Figures 3** and **5** (P28-1, P28-17, P28-19, P28-20, P28-21, and P28-26) and ranged up to 697 ppm (see **Table 1**). The PID readings were generally recorded in the upper 6 ft bgs with the exception of P28-17 which recorded PID readings at 18 to 20 ft bgs. Assessment results are discussed below for each of the various areas.

Dry Cleaning Area. The dry cleaning units are located in the northwest corner of the building on the King Street level as shown in **Figure 5**. Eight borings were installed outside to the south, west, and north of the dry cleaning portion of the building, and three were installed inside the building. Of these eleven borings, two contained TPH and eight contained measureable or trace levels of PCE (see **Table 1** and **Figures 3** and **5**).

PCE has impacted the soil beneath the floor slab in the vicinity of the dry cleaning units down to the total depth hand augered (6 ft) in P28-19, and to at least two ft (hand auger refusal) in P28-20 and P28-21. P28-2, P28-3 and P28-6 showed no impacts, while the remaining borings showed some level of PCE impact. A trench drain was noted in the dry cleaning room running in a north – south direction behind the units, and discharging to a pipe that exits the wall and discharges to the ground near P28-1. It is possible that over time, PCE was released to the subsurface through cracks in the floor, through the bottom of the trench drain, and/or through the trench drain discharge to the ground. A preliminary estimate of the area impacted by PCE based on the information obtained during the PSA is shown on **Figure 5**, and the area shown is approximately 2,000 sq ft. More data points are necessary to better delineate the horizontal and vertical extent, but the area as shown on **Figure 5** would equate to about 110 tons of soil per foot of excavation.

1,200 Gal UST. A 1,200 gallon (approximate) UST was identified at the northwest corner of the Parcel 28 building during intrusive investigations as shown on **Figure 5**. The long axis of the tank was parallel to King St and was approximately 3 ft north of the building. The tank contained approximately 270 gallons of fuel oil (diesel) and was directly beneath the asphalt with little cover. Boring P28-6 was immediately adjacent to the tank and contained no TPH or PID response. The tank was removed on June 9, 2008 and the tank closure will be documented under separate cover.

Building Perimeter. Seven borings (P28-6 through P28-11 and P28-13) were installed around the north and east perimeter of the Parcel 28 building. Organic vapors were not detected during field screening and the TPH and VOC analyses were not detected.

Lower Level - Boilers and Diesel Tanks. Existing and former boilers and diesel storage tanks exist in, or adjacent to, the lower level of the Parcel 28 building. Two borings (P28-15 and P28-16) were installed within the proposed easement north of the former UST that was reported by the owner to be removed. Organic vapors were not detected during field screening of soils and TPH was not detected above the detection limit. A trace of PCE was detected in P28-15. An existing diesel AST is located in the basement along with several former and existing boilers as shown in **Figure 5**. Areas in the floor were cored and three borings (P28- 22 through P28-24) were installed to approximately 6 ft bgs using a hand auger at locations shown in **Figure 5**. Organic vapors were not detected during field screening of soils and the TPH and VOCs were not detected above the detection limit.

Permanent Drainage Easement. Four borings were installed within the PDE located near the south end of Parcel 28. The current sanitary sewer line runs within the easement and flows toward the west. P28-17 and P28-14 were installed near the topographic low for the parcel, and it appears that the sanitary sewer line from the Trailway Laundry and dry cleaning operation drops into the sewer main in the middle of the easement.

No impacts were observed in P28-12 and P28-18, but PCE was detected in both P28-14 and P28-17 at depths of 12 ft bgs and 20 ft bgs respectively. Boring P28-17 was converted into a monitoring well (see **Appendix B** for well construction details) with a static water level of

approximately 21.5 ft bgs. The well was developed and purged and a sample was collected on May 7, 2008 and submitted for VOC analysis. A summary of the detections are provided below and a complete set of the analytical results are included in **Appendix C**.

| | |
|--------------------------|------------|
| Cis-1,2-Dichloroethene | 28 ug/L |
| Tetrachloroethene | 5,600 ug/L |
| Trans-1,2-Dichloroethene | 1.2J ug/L |
| Trichloroethene | 65 ug/L |

Based on the above analytical results, groundwater in the vicinity of Parcel 28 is impacted with chlorinated solvents typical of the dry cleaning industry. With only one groundwater data point, it is not possible to address the nature and extent of impact. Several possibilities exist for the source of groundwater impact including:

- a subsurface release from the dry cleaning units that migrated to the shallow groundwater and down gradient to P27-17,
- a release from the dry cleaning units that was discharged to the Trailway sanitary sewer line that leaked,
- a release from the dry cleaning units that migrated to and then within the Trailway sanitary sewer bedding, and
- a release from upgradient and offsite sources that migrated along the sewer main bedding along the easement.

It is possible that the organic vapors and PCE concentrations in soil in this area are within the smear zone and are a result of a fluctuating water table impacted with PCE. Due to the depth of the impacted soil and because it may be the result of groundwater impact, an impacted soil zone is not denoted on **Figure 5**. It should be noted that PCE impacted soil may exist in the west portion of the PDE above 12 ft bgs, and therefore would need to be addressed if the construction of the hydraulic features required deeper excavation.

This geophysical investigation was conducted in accordance with reasonable and accepted engineering geophysics practices, and the interpretations and conclusions are rendered in a manner consistent with other consultants in our profession. All geophysical techniques have some level of uncertainty and limitations. No other representations of the reported information is expressed or implied, and no warranty or guarantee is included or intended.

United States Environmental Protection Agency, Contract Laboratory Program National Functional Guidelines for Organic Data Review, 1999

North Carolina Department of Transportation, Request for Technical and Cost Proposal, Preliminary Site Assessment, Parcel 10, Daniel Boone Inn Property, February 20, 2008

URS Corporation – North Carolina, Technical and Cost Proposal entitled: Revised Technical and Cost Proposal, Preliminary Site Assessment, Parcel 10 Daniel Boone Inn Property, March 7, 2008

North Carolina Department of Transportation, Notice to Proceed - Preliminary Site Assessment, Parcel 10, Daniel Boone Inn Property, March 7, 2008

Tables

Table 1
SUMMARY OF SOIL ANALYTICAL RESULTS
PARCEL 28
TRAILWAY LAUNDRY PROPERTY
320 EAST KING STREET
BOONE, WATAUGA COUNTY, NORTH CAROLINA

| LOCATION | DATE | DEPTH (ft bgs) | FIELD | LABORATORY ANALYSES | | VOC | USCS LITHOLOGY |
|----------|----------|-------------------|--------------|---------------------|----------------|------------------------------|-------------------|
| | | | SCREENING | TPH RANGE ORGANICS | | 8260 | |
| | | | PID (ppm) | GRO (mg/kg) | DRO (mg/kg) | Tetrachloroethene (mg/kg) | |
| P28-1 | 04/08/08 | 2. | 97.3 | ND (3.8) | 34 | 13 | SM |
| | | 4. | 29.1 | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (3.7) | ND (2.0) | 0.02 | |
| P28-2 | 04/08/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (3.6) | ND (2.0) | ND (0.00052) | |
| P28-3 | 04/08/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (3.5) | ND (1.9) | ND (0.00051) | |
| P28-4 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (3.6) | ND (2.0) | 0.0030 J | |
| P28-5 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | ND (3.4) | ND (1.2) | 0.013 | |
| P28-6 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | ND (4.4) | ND (1.6) | NA | |
| P28-7 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (3.9) | ND (1.4) | ND (0.00061) | |
| P28-8 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | ND (3.4) | ND (1.2) | NA | |
| P28-9 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (4.0) | ND (1.4) | NA | |

Table 1
SUMMARY OF SOIL ANALYTICAL RESULTS
PARCEL 28
TRAILWAY LAUNDRY PROPERTY
320 EAST KING STREET
BOONE, WATAUGA COUNTY, NORTH CAROLINA

| LOCATION | DATE | DEPTH (ft bgs) | FIELD | LABORATORY ANALYSES | | VOC | USCS LITHOLOGY |
|----------|----------|-------------------|--------------|---------------------|----------------|------------------------------|-------------------|
| | | | SCREENING | TPH RANGE ORGANICS | | 8260 | |
| | | | PID (ppm) | GRO (mg/kg) | DRO (mg/kg) | Tetrachloroethene (mg/kg) | |
| P28-10 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (3.5) | ND (1.3) | ND (0.00063) | |
| P28-11 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (3.9) | ND (1.4) | NA | |
| P28-12 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (4.3) | ND (1.6) | ND (0.00062) | |
| P28-13 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (4.1) | ND (1.5) | 0.0048 J | |
| P28-14 | 04/09/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | ND (4.0) | ND (1.4) | 5.4 | |
| P28-15 | 04/11/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | - | - | - | |
| | | 14. | ND | - | - | - | |
| | | 16. | ND | ND (3.7) | ND (1.3) | 0.0028 J | |
| P28-16 | 04/11/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | - | - | - | |
| | | 14. | ND | - | - | - | |
| | | 16. | ND | ND (3.6) | ND (1.3) | ND (0.00056) | |

Table 1
SUMMARY OF SOIL ANALYTICAL RESULTS
PARCEL 28
TRAILWAY LAUNDRY PROPERTY
320 EAST KING STREET
BOONE, WATAUGA COUNTY, NORTH CAROLINA

| LOCATION | DATE | DEPTH (ft bgs) | FIELD SCREENING | LABORATORY ANALYSES | | VOC | USCS LITHOLOGY |
|---|----------|-------------------|--------------------|---------------------|----------------|------------------------------|-------------------|
| | | | PID (ppm) | TPH RANGE ORGANICS | | 8260 | |
| | | | | GRO (mg/kg) | DRO (mg/kg) | Tetrachloroethene (mg/kg) | |
| P28-17 <i>Converted to a 1- inch diameter monitoring well</i> | 05/06/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| | | 12. | ND | - | - | - | |
| | | 14. | ND | - | - | - | |
| | | 16. | ND | - | - | - | |
| | | 18. | 6.9 | - | - | - | |
| | | 20. | 26.7 | ND (4.3) | ND (1.5) | 0.13 | |
| 22. | NA | - | - | - | | | |
| 24. | NA | - | - | - | | | |
| P28-18 | 05/06/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| 12. | ND | ND (4.0) | ND (1.5) | ND (0.00047) | | | |
| P28-19 | 05/06/08 | 2. | 17.1 | - | - | - | SM |
| | | 4. | 147.2 | - | - | - | |
| | | 6. | 697 | 100. | 470. | 34 | |
| P28-20 | 05/06/08 | 2. | 30.3 | ND (3.7) | ND (1.3) | 4 | SM |
| P28-21 | 05/07/08 | 2. | 6 | - | - | 1.8 | SM |
| P28-22 | 05/08/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | ND (3.8) | ND (1.4) | ND (0.00062) | |
| P28-23 | 05/08/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | ND (3.7) | ND (1.3) | ND (0.00061) | |
| P28-24 | 05/08/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | ND (3.8) | ND (1.4) | ND (0.00059) | |
| P28-25 | 05/08/08 | 2. | ND | - | - | - | SM |
| | | 4. | ND | - | - | - | |
| | | 6. | ND | - | - | - | |
| | | 8. | ND | - | - | - | |
| | | 10. | ND | - | - | - | |
| 12. | ND | ND (3.6) | ND (1.3) | 0.07 | | | |

Table 1
SUMMARY OF SOIL ANALYTICAL RESULTS
PARCEL 28
TRAILWAY LAUNDRY PROPERTY
320 EAST KING STREET
BOONE, WATAUGA COUNTY, NORTH CAROLINA

| LOCATION | DATE | DEPTH (ft bgs) | FIELD SCREENING | LABORATORY ANALYSES | | VOC | USCS LITHOLOGY |
|----------|----------|-------------------|--------------------|---------------------|------------------------------|---------|-------------------|
| | | | PID (ppm) | TPH RANGE | ORGANICS | 8260 | |
| | | | GRO (mg/kg) | DRO (mg/kg) | Tetrachloroethene (mg/kg) | | |
| P28-26 | 05/08/08 | 2. | 15.7 | ND (3.6) | ND (1.3) | 0.34 | SM |
| | | 4. | 11.6 | - | - | - | |
| | | 6. | 6.7 | - | - | - | |
| | | 8. | 4.1 | - | - | - | |
| | | 10. | 2 | - | - | - | |
| | | 12. | ND | - | - | - | |
| | | 14. | ND | - | - | - | |
| | | 16. | ND | - | - | - | |
| | | 18. | ND | - | - | - | |
| | | 20. | ND | ND (3.5) | ND (1.2) | .0079 J | |

NCDENR UST Section Action Levels: 10 10

NCDENR Non-UST Petroleum Action Levels: 10 40

Soil-to-Water Maximum Contaminant Concentration for Soil: 0.0074

LEGEND:

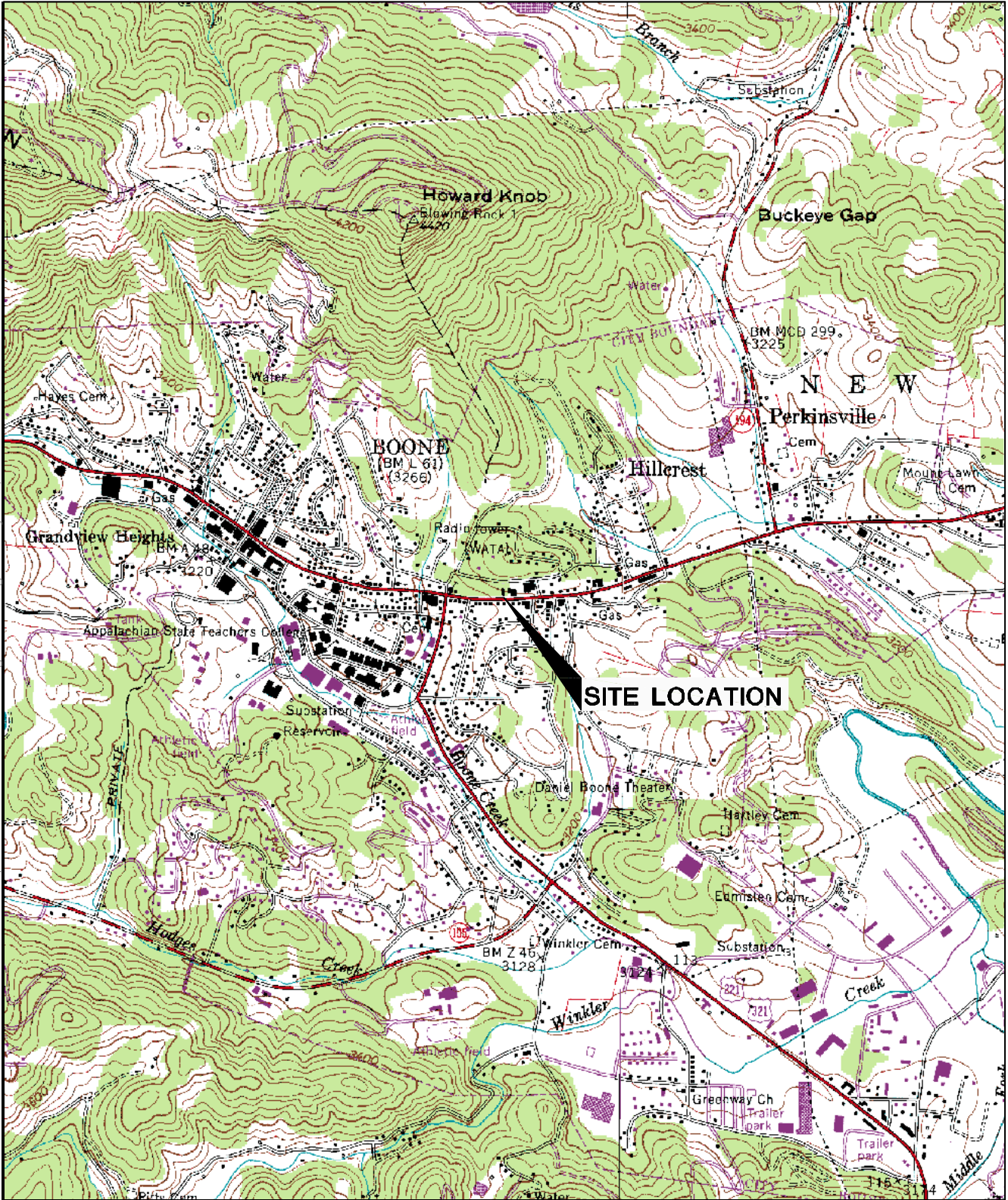
- ft bgs - feet below ground surface
- mg/Kg - milligrams per kilogram
- ppm - parts per million
- PID - Photo Ionization Detector (field screening results)
- TPH - Total Petroleum Hydrocarbons
- DRO - Diesel Range Organics (determined by laboratory via EPA Method 8015B)
- GRO - Gasoline Range Organics (determined by laboratory via EPA Method 8015B)
- J - Estimated
- NA - Not analyzed
- ND(7.3) - Not Detected above the indicated detection limit
- USCS - Unified Soil Classification System.

NOTES:

- Soil samples were collected by URS on the dates shown.
- All results reported on a dry-weight basis.
- Action Levels were taken from the NCDENR UST Section, *Guidelines for Assessment and Corrective Action* (NCDENR, UST Section, July 2001) and *Guidelines for the Investigation and Remediation of Contamination from Non-UST Petroleum Releases* (NCDENR, UST Section, July 2007).

Figures

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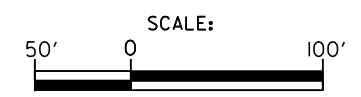
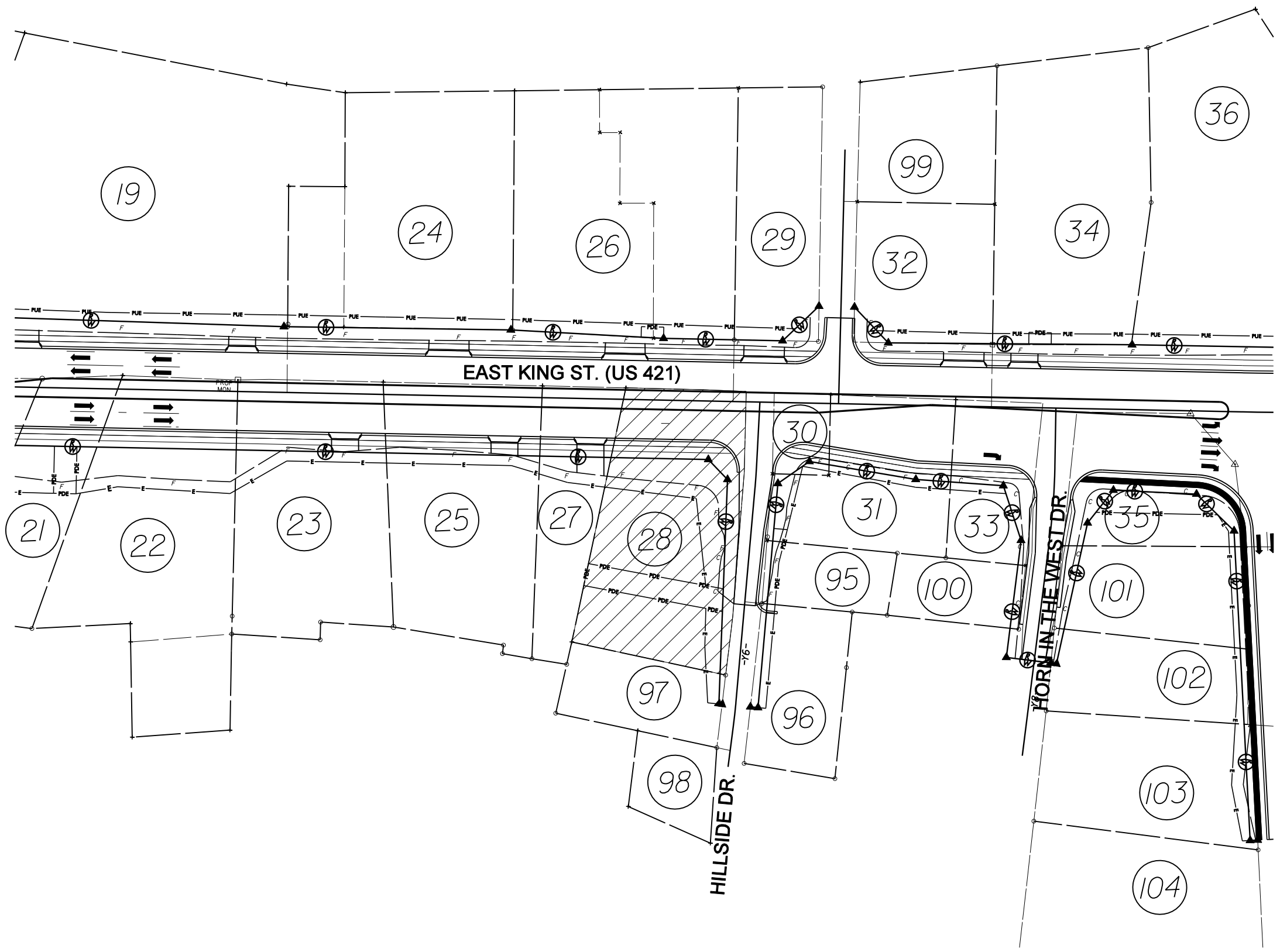


SCALE IN FEET
0 2000

QUADRANGLE LOCATION

SOURCE: USGS 7.5' TOPOGRAPHIC QUADRANGLE
BOONE, NC - DATED 1959, PHOTOREVISED 1978

| | |
|--|--|
| FIGURE 1. LOCATION MAP | |
| PARCEL 28, 320 E. KING STREET BOONE, NORTH CAROLINA | |
| Prepared for: NC DOT | |
| DRAWN BY: TSH | |
| DATE: 05/01/08 | <small>ROU, NORTH CAROLINA 27560</small> |
| PROJECT NO. 31825704 | Fig. 1 |



US 421 WIDENING PROJECT
FROM US 221 TO US 321
BOONE, NORTH CAROLINA

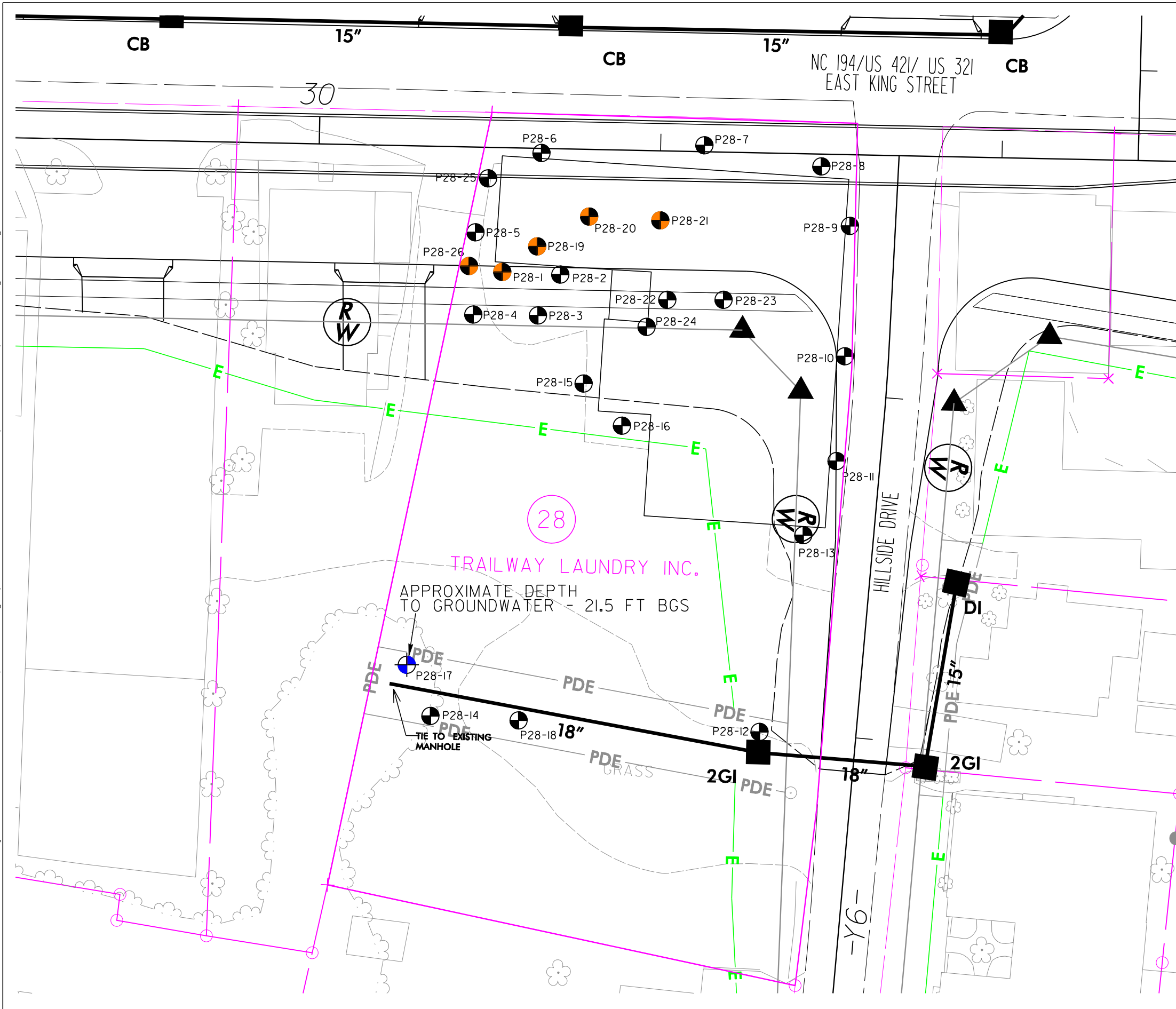
URS Corporation - North Carolina
1600 Perimeter Park Drive
Morrisville, North Carolina 27560
TELEPHONE (919) 461-1100 FAX (919) 461-1415

| | | |
|----------------|--------------|----------------|
| DRN BY: SMS | DATE: 3-4-08 | STATE PROJECT: |
| CHECKED BY: VK | DATE: 3-5-08 | U-4020 |

PARCEL LOCATION MAP

FIGURE
FIG-02

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LEGEND

- PII-I - SOIL BORING LOCATION
- BORING CONTAINED PID RESPONSE
- TEMPORARY MONITORING WELL
- PROPOSED RIGHT-OF-WAY
- PROPOSED EASEMENT
- PROPOSED DRAINAGE STRUCTURE

NOTES

- DRO - DIESEL RANGE ORGANICS
- GRO - GASOLINE RANGE ORGANICS
- PDE - PERMANENT DRAINAGE EASEMENT
- PCE - TETRACHLOROETHENE
- CB - CATCH BASIN
- DI - DROP INLET
- J - ESTIMATED

SUMMARY OF DETECTIONS IN Mg/kg

| ID | DEPTH | GRO | DRO | PCE |
|--------|-------|-----|-----|---------|
| P28-1 | 2' | ND | 34 | 13 |
| P28-1 | 12' | ND | ND | 0.02 |
| P28-4 | 12' | ND | ND | 0.003J |
| P28-5 | 8' | ND | ND | 0.013 |
| P28-13 | 12' | ND | ND | 0.0048J |
| P28-14 | 12' | ND | ND | 5.4 |
| P28-15 | 16' | ND | ND | 0.0028J |
| P28-17 | 20' | ND | ND | 0.13 |
| P28-19 | 6' | 100 | 470 | 34 |
| P28-20 | 2' | ND | ND | 4 |
| P28-21 | 2' | - | - | 1.8 |
| P28-25 | 12' | ND | ND | 0.07 |
| P28-26 | 2' | ND | ND | 0.34 |
| P28-26 | 20' | ND | ND | 0.0079J |



PARCEL 28
TRAILWAY LAUNDRY PROPERTY

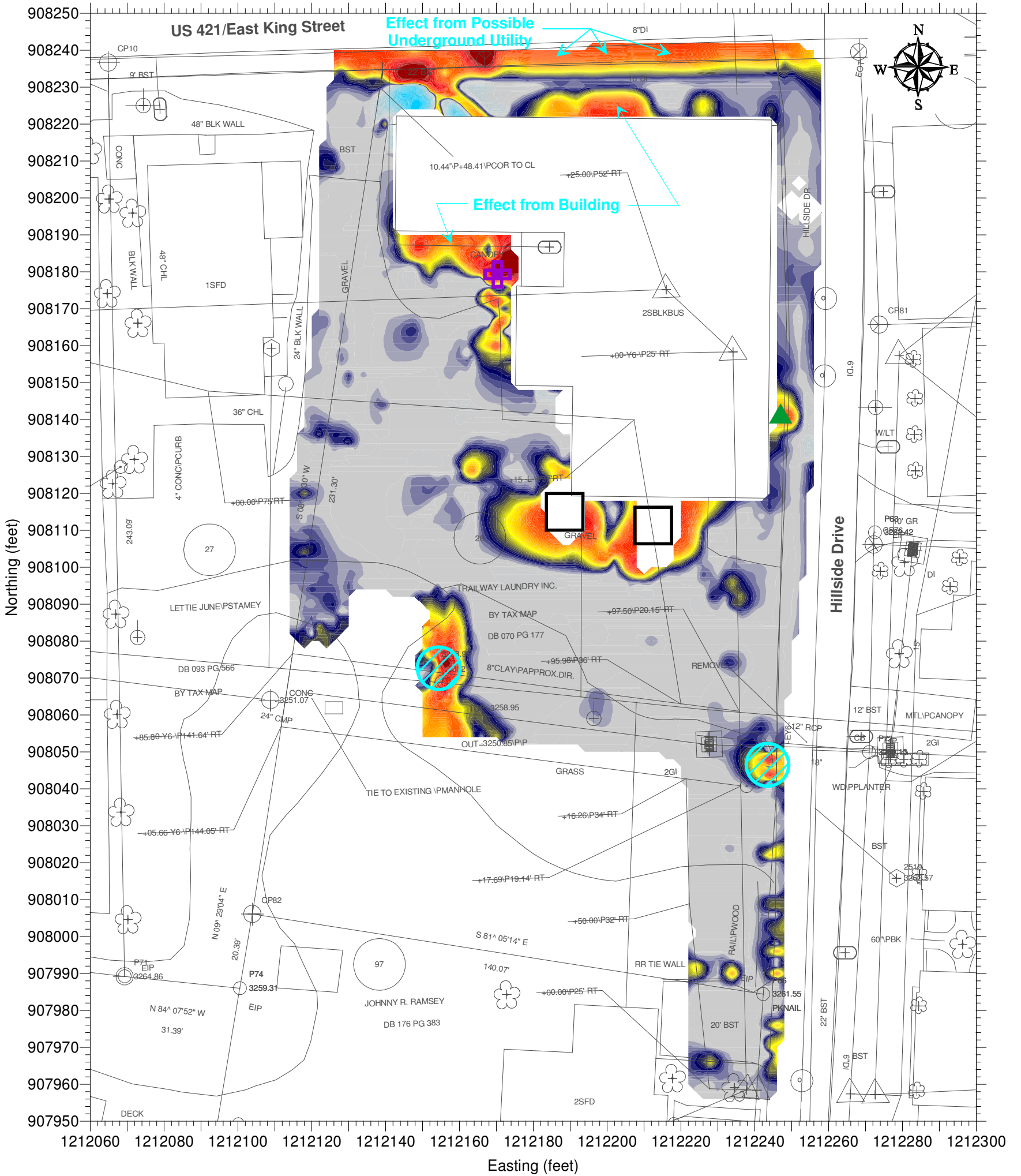
BOONE, NORTH CAROLINA

URS Corporation - North Carolina
1600 Perimeter Park Drive
Morrissville, North Carolina 27560
TELEPHONE (919) 461-1100 FAX (919) 461-1415

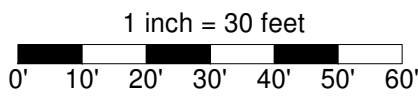
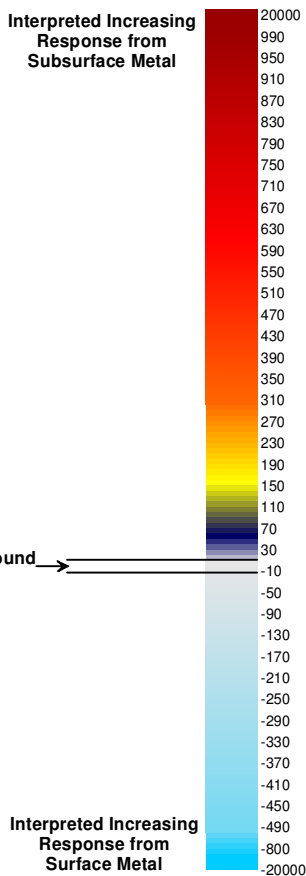
| | | |
|----------------|---------------|----------------|
| DRN BY: SMS | DATE: 6-9-08 | STATE PROJECT: |
| CHECKED BY: VK | DATE: 6-11-08 | U-4020 |

SOIL SAMPLING LOCATIONS

FIGURE FIG-03



EM-61 MKII Channel 3 Response (millivolts)



Notes:

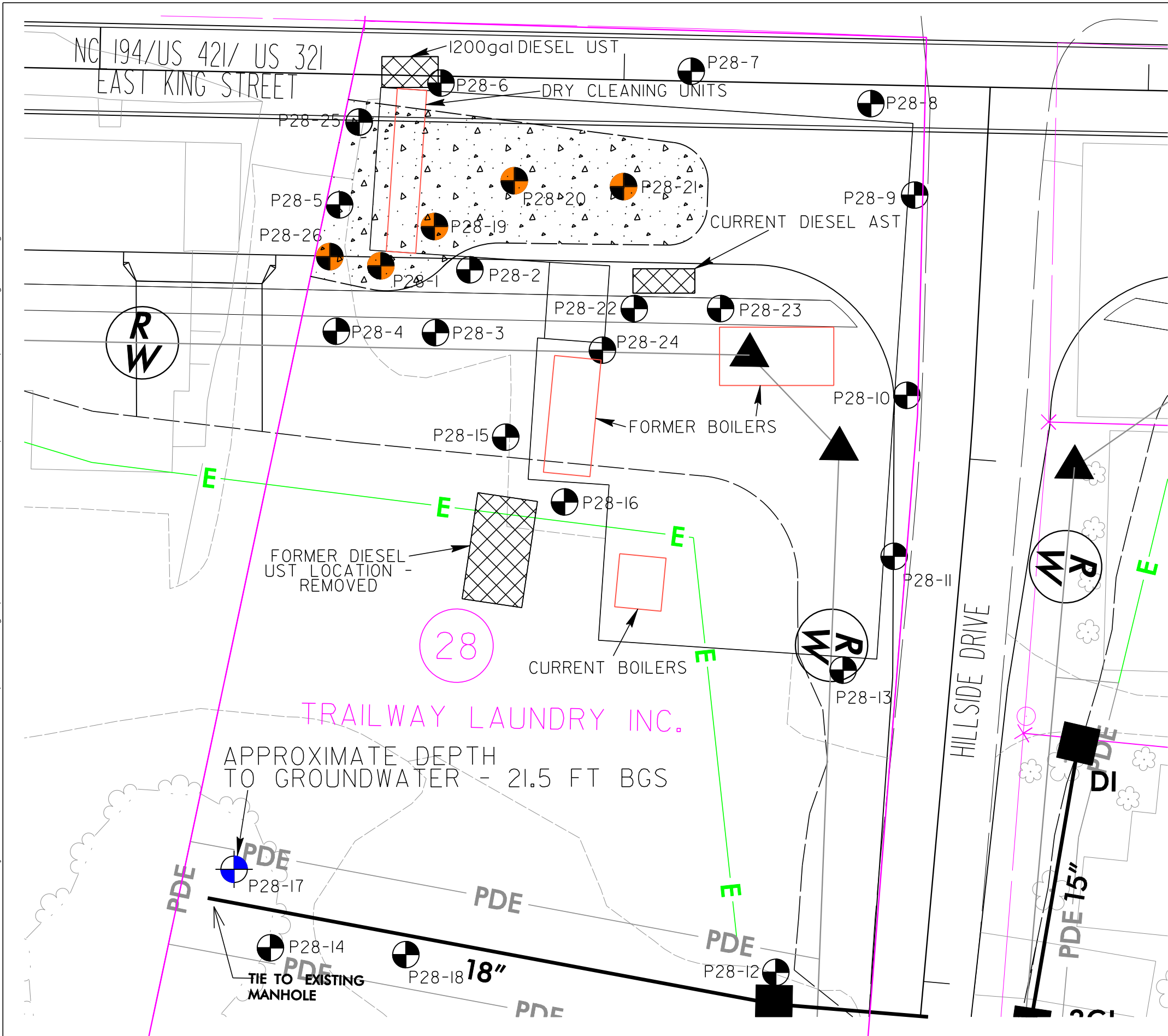
1. Coordinates in NC State Plane, NAD-83 datum.
2. Data from Geonics, Ltd. EM-61 MKII instrument.
3. Base drawing from U-4020 contract drawings provided by NCDOT.
4. Positional data for EM-61 survey and locations of additional site features based on DGPS surveying by URS Corporation.

Legend

- EM-61 Anomaly Surveyed with GPR Follow-Up (GPR Does Not Indicate Potential UST)
- Pole/Light/Sign
- AST
- Vehicle

| | | | |
|--|----------|------------|------------|
| | | | |
| 6135 Park South Dr., Ste. 300 Charlotte, NC 28210 (704) 522-0330 | | | |
| Geophysical Investigation Results Parcel #28 | | | |
| NCDOT State Project U-4020, Watauga County | | | |
| Boone, North Carolina | | | |
| DESIGNED BY | DRAWN BY | CHECKED BY | JOB NUMBER |
| MAB | 03/31/08 | MAB | 03/31/08 |
| | | TJK | 04/25/08 |
| | | | 31825704 |
| | | | Figure 4 |

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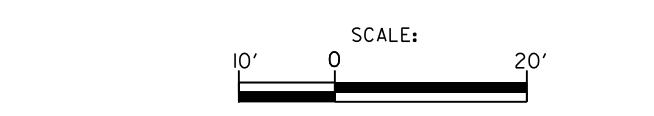


LEGEND

- PII-I - SOIL BORING LOCATION
- BORING CONTAINED PID RESPONSE
- TEMPORARY MONITORING WELL
- PROPOSED RIGHT-OF-WAY
- PROPOSED EASEMENT
- PROPOSED DRAINAGE STRUCTURE
- ESTIMATED AREA OF IMPACTED SOIL (DASHED WHERE INFERRED)

NOTES

- DRO - DIESEL RANGE ORGANICS
- GRO - GASOLINE RANGE ORGANICS
- PDE - PERMANENT DRAINAGE EASEMENT
- PCE - TETRACHLOROETHENE
- CB - CATCH BASIN
- DI - DROP INLET



PARCEL 28
TRAILWAY LAUNDRY PROPERTY
 320 EAST KING STREET
 BOONE, NORTH CAROLINA

URS Corporation - North Carolina
 1600 Perimeter Park Drive
 Morrisville, North Carolina 27560
 TELEPHONE (919) 461-1100 FAX (919) 461-1415

| | | |
|-------------------------------|------------------------------|-------------------------------|
| <small>DRN BY: SMS</small> | <small>DATE: 6-9-08</small> | <small>STATE PROJECT:</small> |
| <small>CHECKED BY: VK</small> | <small>DATE: 6-11-08</small> | <small>U-4020</small> |

IMPACTED SOIL MAP

FIGURE
FIG-05

Appendix A
Photographic Log

**NCDOT PARCEL 28 - TRAILWAY LAUNDRY PROPERTY
320 EAST KING STREET, BOONE, WATAUGA COUNTY, NC
WBS ELEMENT 35015.1.1, TIP U-4020**



Photograph 1: Parcel 28 facing east at the back of the dry cleaners.



Photograph 2: Parcel 28 facing southeast looking at the room with dry cleaning unit and UST location in front corner of building.

**NCDOT PARCEL 28 - TRAILWAY LAUNDRY PROPERTY
320 EAST KING STREET, BOONE, WATAUGA COUNTY, NC
WBS ELEMENT 35015.1.1, TIP U-4020**



Photograph 3: Parcel 28 looking northwest along the east wall of Trailway dry cleaners.



Photograph 4: Parcel 28 coring next to the dry cleaning machine.

**NCDOT PARCEL 28 - TRAILWAY LAUNDRY PROPERTY
320 EAST KING STREET, BOONE, WATAUGA COUNTY, NC
WBS ELEMENT 35015.1.1, TIP U-4020**



Photograph 5: Hand auger sampling next to the current AST in basement.



Photograph 6: Geoprobe temporary well installation at P28-17.

Appendix B
Soil Boring Logs



BORING LOG: P28-1

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/08/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|-----------------|
| 0 | P28-1-2 | 2' | | 97.3 ppm | loose, dry, light brown, silty Sand (SM), organics | |
| 2 | | | | 29.1 ppm | | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 8 | | | | 0.0 ppm | | |
| 10 | 0.0 ppm | | | | | |
| 12 | P28-1-12 | 12' | | 0.0 ppm | Bottom of boring | |

Notes:

| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



BORING LOG: P28-2

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/08/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|--|
| 0 | | | | | loose, dry, light brown, silty Sand (SM), organics | <p style="text-align: center;">backfilled with bentonite</p> |
| 2 | | | | 0.0 ppm | | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-2-12 | 12' | | | Bottom of boring | Not to Scale |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-3

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/08/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|---|
| 0 | | | | | loose, dry, light brown, silty Sand (SM), organics | <p style="text-align: center;">backfilled with bentonite</p> <p style="text-align: center;">Not to Scale</p> |
| 2 | | | | 0.0 ppm | | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | Loose, dry, light brown, silty Sand (SM), mica | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-3-12 | 12' | | | Bottom of boring | |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-4

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|--|
| 0 | | | | | loose, dry, light brown silty Sand (SM), gravel | <p style="text-align: center;">backfilled with bentonite</p> |
| 2 | | | | 0.0 ppm | | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | loose, dry, light brown silty Sand (SM), mica | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-4-12 | 12' | | | Bottom of boring | Not to Scale |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-5

| | | |
|---|----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 8 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 8 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|--|
| 0 | | | | | loose, dry, light brown silty Sand (SM), gravel | <p style="text-align: center;">backfilled with bentonite</p> |
| 2 | | | | 0.0 ppm | | |
| 4 | | | | 0.0 ppm | loose, dry, light brown silty Sand (SM), mica | |
| 6 | | | | 0.0 ppm | | |
| 8 | P28-5-8 | 8' | | 0.0 ppm | Refusal at 8' | |
| 10 | | | | | | Not to Scale |
| 12 | | | | | | |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-6

| | | |
|---|----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 8 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 8 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|--|
| 0 | | | | | asphalt | <p style="text-align: center;">backfilled with bentonite</p> |
| 2 | | | | 0.0 ppm | loose, dry, light brown silty Sand (SM), mica | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | | |
| 8 | P28-6-8 | 8' | | 0.0 ppm | | |
| 10 | | | | | Refusal at 8' | Not to Scale |
| 12 | | | | | | |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-7

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|-----------------|
| 0 | | | | | asphalt | |
| 2 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-7-12 | 12' | | 0.0 ppm | Bottom of boring | |

Notes:

| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



BORING LOG: P28-8

| | | |
|---|----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 8 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 8 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|--|
| 0 | | | | | asphalt | <p style="text-align: center;">backfilled with bentonite</p> |
| 2 | | | | 0.0 ppm | loose, dry, light brown silty Sand (SM), mica | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | | |
| 8 | P28-8-8 | 8' | | 0.0 ppm | | |
| 10 | | | | | Refusal at 8' | Not to Scale |
| 12 | | | | | | |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-9

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|--|
| 0 | | | | | asphalt | <p style="text-align: center;">backfilled with bentonite</p> |
| 2 | | | | 0.0 ppm | <p style="text-align: center;">loose, dry, light brown, silty Sand (SM), mica</p> | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-9-12 | 12' | | 0.0 ppm | Bottom of boring | Not to Scale |

Notes:

| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



BORING LOG: P28-10

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|-----------------|
| 0 | | | | | asphalt | |
| 2 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-10-12 | 12' | | 0.0 ppm | Bottom of boring | |

Notes:

| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



BORING LOG: P28-11

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|-----------------|
| 0 | | | | | asphalt | |
| 2 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-11-12 | 12' | | | Bottom of boring | |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-12

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|---------------------|
| 0 | | | | | loose, dry, light brown, silty Sand (SM), organics | |
| 2 | | | | 0.0 ppm | | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-12-12 | 12' | | | Bottom of boring | Not to Scale |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-13

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|---------------------|
| 0 | | | | | loose, dry, light brown, silty Sand (SM), organics | |
| 2 | | | | 0.0 ppm | | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM, mica) | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-13-12 | 12' | | | Bottom of boring | Not to Scale |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-14

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/09/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|---------------------|
| 0 | | | | | loose, dry, light brown, silty Sand (SM), organics | |
| 2 | | | | 0.0 ppm | | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-14-12 | 12' | | | Bottom of boring | Not to Scale |

Notes:


| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



BORING LOG: P28-15

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/11/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 16 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 16 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|---|
| 0 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), organics |  <p style="text-align: center;">backfilled with bentonite</p> |
| 4 | | | | 0.0 ppm | | |
| 8 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 12 | | | | 0.0 ppm | | |
| 16 | P28-15-16 | 16' | | 0.0 ppm | Bottom of boring | |
| 20 | | | | | | |
| 24 | | | | | | |

Notes:

| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



BORING LOG: P28-16

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 04/11/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 16 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 16 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|--|
| 0 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), organics | <p style="text-align: center;">backfilled with bentonite</p> |
| 4 | | | | 0.0 ppm | | |
| 8 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 12 | | | | 0.0 ppm | | |
| 16 | P28-16-16 | 16' | | 0.0 ppm | Bottom of boring | |
| 20 | | | | | | |
| 24 | | | | | | |

Notes:

| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



WELL LOG:

P28-17

| | | | | | | |
|------------------|---|---------------------|-----------------|-------------------|---------------------|-------|
| Permit # | N/A | Drill Date | 05/06/08 | Site | Parcel 28 | |
| Client | NC DOT | Use | Monitoring Well | URS Loc. # | P28-17 | |
| Address | 320 East King Street, Boone, North Carolina | | | Total Depth (ft) | 24 | |
| Drilling Method | Direct Push Geoprobe | Boring Depth (ft) | 24 | Boring Diam. (in) | 2.25 | |
| Casing/Scrn. Mat | Sch. 40 PVC | Csg/Scrn Diam (in) | 1 | Csg Length(ft) | 14 | |
| Grout Type | NA | Grout Interval (ft) | NA | to NA | Scrn Length (ft) | 10 |
| Csg Seal Type | NA | Seal Interval (ft) | NA | to NA | Scrn Slot Size (in) | 0.010 |
| Sand Pack Type | #2 Sand | Sand Interval (ft) | 12 | to 24 | Static Water Level | NA |
| Rmrks | TOC Elevation | | NA | Sample Method | Acetate liner | |

Slight odor in bottom of boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/6" | PID (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|----------|-----------|---|---|
| 0 | | | | 0 | Loose, dry, brown, silty Sand (SM) mica, organics | <p>The diagram shows a cross-section of a well. At the top, there is a concrete structure. Below it is a well opening. The well is lined with steel casing. Grout is shown between the casing and the well wall. A seal is located at approximately 10 feet depth. Below the seal is sand/gravel. The bottom of the well is labeled 'well'.</p> |
| 5 | | | | 0 | Loose, dry, light brown, silty Sand (SM) mica | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| | | | | 0 | | |
| 10 | | | | 0 | | |
| | | | | 6.9 | | |
| | | | | 26.7 | | |
| 20 | P28-17-20 | 20 | ∇ | 0 | Loose, wet, light brown, silty Sand (SM) mica | |
| | | | | 0 | Bottom of Boring | |
| 24 | | | | | | |

Not to Scale

| | | |
|------------|---------------|-------------------|
| Notes: | | |
| Geologist: | Michael Meese | Driller: SAEDACCO |

NA = Not Applicable



WELL LOG:

P28-17

| | | | | | | |
|------------------|---|---------------------|-----------------|-------------------|---------------------|---------------|
| Permit # | N/A | Drill Date | 05/06/08 | Site | Parcel 28 | |
| Client | NC DOT | Use | Monitoring Well | URS Loc. # | P28-17 | |
| Address | 320 East King Street, Boone, North Carolina | | | Total Depth (ft) | 24 | |
| Drilling Method | Direct Push Geoprobe | Boring Depth (ft) | 24 | Boring Diam. (in) | 2.25 | |
| Casing/Scrn. Mat | Sch. 40 PVC | Csg/Scrn Diam (in) | 1 | Csg Length(ft) | 14 | |
| Grout Type | NA | Grout Interval (ft) | NA | to NA | Scrn Length (ft) | 10 |
| Csg Seal Type | NA | Seal Interval (ft) | NA | to NA | Scrn Slot Size (in) | 0.010 |
| Sand Pack Type | #2 Sand | Sand Interval (ft) | 12 | to 24 | Static Water Level | NA |
| Rmrks | TOC Elevation | | NA | Sample Method | | Acetate liner |

Slight odor in bottom of boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | PID (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|--|
| 0 | | | | | | <p>The diagram shows a cross-section of a well. At the top, there is a concrete structure labeled 'concrete' with a 'well' opening. Below this is a 'grout' layer. A 'steel' casing surrounds the well. Inside the casing, there is a 'casing' section. Below the casing is a 'Seal' layer. At the bottom, there is a 'sand/gravel' layer. The well itself is shown as a vertical tube extending through these layers.</p> |
| 5 | | | | | | |
| 10 | MW-1-10 | 10 | | 2.8 | white to grey, coarse sand with some quartz and rock, no odor | |
| 15 | | | | | | |
| 20 | MW-1-20 | 20 | | 7.7 | white to grey, coarse sand with some quartz and rock, no odor | |
| 25 | | | | | | |
| 30 | | | | | | |

Not to Scale

| | |
|------------|---------------|
| Notes: | |
| Geologist: | Michael Meese |
| Driller: | SAEDACCO |

NA = Not Applicable



BORING LOG: P28-18

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 05/06/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|---------------------|
| 0 | | | | | loose, dry, light brown, silty Sand (SM), organics | |
| 2 | | | | 0.0 ppm | | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-18-12 | 12' | | | Bottom of boring | Not to Scale |

Notes:

| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



BORING LOG: P28-19

| | | |
|--|----------------------------|-----------------------------------|
| Permit # | Drill Date 05/06/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 6 |
| Drilling Method core, hand auger | Boring Depth (ft) 6 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method hand auger |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|---|----------------------|--|
| 0 | | | | | concrete | <p style="text-align: center;">backfilled with bentonite</p> |
| 2 | | | 17.1 ppm | loose, dry, light brown silty Sand (SM), mica | | |
| 4 | | | 147.2 ppm | | | |
| 6 | P28-19-6 | 6' | 697 ppm | | | |
| 8 | | | | | Refusal at 6' | Not to Scale |

Notes:

| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



BORING LOG: P28-20

| | | |
|--|----------------------------|-----------------------------------|
| Permit # | Drill Date 05/06/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 2 |
| Drilling Method core, hand auger | Boring Depth (ft) 2 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method hand auger |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|---------------------|
| 0 | | | | | concrete | |
| 2 | P28-20-2 | 2' | | 30.3 ppm | loose, dry, light brown silty Sand (SM), gravel | |
| 4 | | | | | Refusal at 2' | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | Not to Scale |

Notes:

| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



BORING LOG: P28-21

| | | |
|--|----------------------------|-----------------------------------|
| Permit # | Drill Date 05/07/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 2 |
| Drilling Method core, hand auger | Boring Depth (ft) 2 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method hand auger |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|---------------------|
| 0 | | | | | concrete | |
| 2 | P28-21-2 | 2' | | 6.0 ppm | loose, dry, light brown silty Sand (SM), gravel | |
| 4 | | | | | Refusal at 2' | |
| 6 | | | | | | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | Not to Scale |


| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-22

| | | |
|--|----------------------------|-----------------------------------|
| Permit # | Drill Date 05/08/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 6 |
| Drilling Method hand auger | Boring Depth (ft) 6 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method hand auger |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-----------------------------------|-----------|-------------------|-----------|-----------|---|---|
| 0 2 4 6 8 10 12 | P28-22-6 | 6' | | 0.0 ppm | loose, dry, light brown silty Sand (SM), mica |  <p style="text-align: center;">backfilled with bentonite</p> |
| | | | | 0.0 ppm | | |
| | | | | 0.0 ppm | Refusal at 6' | |

Not to Scale

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-23

| | | |
|--|----------------------------|-----------------------------------|
| Permit # | Drill Date 05/08/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 6 |
| Drilling Method hand auger | Boring Depth (ft) 6 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method hand auger |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|-------------------------------|
| 0 | | | | 0.0 ppm | loose, dry, light brown silty Sand (SM), mica | |
| 2 | | | | 0.0 ppm | | |
| 4 | | | | 0.0 ppm | | |
| 6 | P28-23-6 | 6' | | | Refusal at 6' | backfilled with bentonite |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | Not to Scale |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-24

| | | |
|--|----------------------------|-----------------------------------|
| Permit # | Drill Date 05/08/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 6 |
| Drilling Method core, hand auger | Boring Depth (ft) 6 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method hand auger |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|-----------------|
| 0 | | | | 0.0 ppm | concrete | |
| 2 | | | | 0.0 ppm | loose, dry, light brown silty Sand (SM), mica | |
| 4 | | | | 0.0 ppm | | |
| 6 | P28-24-6 | 6' | | | Refusal at 6' | |
| 8 | | | | | | |
| 10 | | | | | | |
| 12 | | | | | | |

| | |
|---------------------------------|--------------------------|
| Notes: | |
| Geologist: Michael Meese | Driller: SAEDACCO |



BORING LOG: P28-25

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 05/08/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 12 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 12 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|--|---------------------|
| 0 | | | | | loose, dry, light brown, silty Sand (SM), organics | |
| 2 | | | | 0.0 ppm | | |
| 4 | | | | 0.0 ppm | | |
| 6 | | | | 0.0 ppm | loose, dry, light brown, silty Sand (SM), mica | |
| 8 | | | | 0.0 ppm | | |
| 10 | | | | 0.0 ppm | | |
| 12 | P28-25-12 | 12' | | | Bottom of boring | Not to Scale |

Notes:


| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|



BORING LOG: P28-26

| | | |
|---|-----------------------------|------------------------------------|
| Permit # | Drill Date 05/08/08 | Site Parcel 28 |
| Client NCDOT | Use | URS Corporation |
| Address Boone, North Carolina | | Total Depth (ft) 20 |
| Drilling Method Geoprobe direct push | Boring Depth (ft) 20 | Boring Diam. (in) 2.25 |
| Backfill Material bentonite | NA | Static Water Level unknown |
| Rmrks Groundwater not encountered | TOC Elevation NA | Sample Method Acetate liner |

in boring

| Depth (ft.) | Sample ID | Sample Depth (ft) | Blows/ 6" | OVA (ppm) | Geologic Description | Typical Diagram |
|-------------|-----------|-------------------|-----------|-----------|---|---|
| 0 | | | | 15.7 ppm | loose, dry, light brown, silty Sand (SM), gravel |  <p style="text-align: center;">backfilled with bentonite</p> |
| 4 | | | | 11.6 ppm | <p style="text-align: center;">loose, dry, light brown, silty Sand (SM), mica</p> | |
| | | | | 6.7 ppm | | |
| | | | | 4.1 ppm | | |
| 8 | | | | 2.0 ppm | | |
| | | | | 0.0 ppm | | |
| | | | | 0.0 ppm | | |
| | | | | 0.0 ppm | | |
| | | | | 0.0 ppm | | |
| | | | | 0.0 ppm | | |
| 20 | P28-26-20 | 20' | | 0.0 ppm | Bottom of boring | <p>Not to Scale</p> |
| 24 | | | | | | |

Notes:

| | |
|---------------------------------|--------------------------|
| Geologist: Michael Meese | Driller: SAEDACCO |
|---------------------------------|--------------------------|

Appendix C
Laboratory Report

Case Narrative



Date: 04/22/08
Company: N. C. Department of Transportation
Contact: Martha Meyers-Lee
Address: c/o URS
1600 Perimeter Park Dr. Suite 400
Morrisville, NC 27560

Client Project ID: NCDOT: Boone - Parcel 28
Prism COC Group No: G0408278
Collection Date(s): 4/8/2008 thru 4/9/2008
Lab Submittal Date(s): 04/09/08

Client Project Name Or No: State Project: U-4020/ 320 E. King

This data package contains the analytical results for the project identified above and includes a Case Narrative, Laboratory Report and Quality Control Data totaling 25 pages. A chain-of-custody is also attached for the samples submitted to Prism for this project.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative. Quality control statements and/or sample specific remarks are included in the sample comments section of the laboratory report for each sample affected.

Semi Volatile Analysis

Analysis Note for Q31874 MSD Diesel Range Organics (DRO): MSD recovery outside the control limits.

Volatile Analysis

Analysis Note for Q31741 MS Trichloroethene: Recovery outside of the control limits. Matrix interference is suspected.

Metals Analysis

N/A

Wet Lab and Micro Analysis

N/A

Please call if you have any questions relating to this analytical report.

Date Reviewed by: Robbi A. Jones

Project Manager: Robbi A. Jones

Signature: *Robbi A. Jones*

Signature: *Robbi A. Jones*

Review Date: 04/22/08

Approval Date: 04/22/08

Data Qualifiers Key Reference:

- B: Compound also detected in the method blank.
- #: Result outside of the QC limits.
- DO: Compound diluted out.
- E: Estimated concentration, calibration range exceeded.
- J: The analyte was positively identified but the value is estimated below the reporting limit.
- H: Estimated concentration with a high bias.
- L: Estimated concentration with a low bias.
- M: A matrix effect is present.

Notes: This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc. The results in this report relate only to the samples submitted for analysis.



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil
 Client Sample ID: P28-1-2
 Prism Sample ID: 210956
 COC Group: G0408278
 Time Collected: 04/08/08 16:15
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 82.0 | % | | | 1 | SM2540 G | 04/11/08 14:00 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 5.64 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 5.64 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Weight Methanol | 5.04 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0054 | 0.00064 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0054 | 0.00039 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0054 | 0.00057 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0054 | 0.00062 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0054 | 0.00093 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0054 | 0.00064 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0054 | 0.00062 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0054 | 0.00072 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0054 | 0.0007 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0054 | 0.00027 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0054 | 0.00067 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0054 | 0.00035 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0054 | 0.00061 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0054 | 0.0013 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0054 | 0.00045 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0054 | 0.00036 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0054 | 0.00023 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0054 | 0.00069 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0054 | 0.00078 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0054 | 0.0003 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |

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 c/o URS
 1600 Perimeter Park Dr. Suite 400
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Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-1-2
 Prism Sample ID: 210956
 COC Group: G0408278
 Time Collected: 04/08/08 16:15
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.054 | 0.0047 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0054 | 0.0004 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.054 | 0.0056 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Acetone | 0.16 | mg/kg | 0.054 | 0.016 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0032 | 0.00045 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0054 | 0.00069 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0054 | 0.00044 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0054 | 0.00058 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0054 | 0.00049 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.011 | 0.0012 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0054 | 0.00036 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0054 | 0.00055 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0054 | 0.0005 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.011 | 0.0018 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0054 | 0.0009 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0054 | 0.0013 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| cis-1,2-Dichloroethene | 0.023 | mg/kg | 0.0054 | 0.00086 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0054 | 0.00071 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0054 | 0.0015 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0054 | 0.00025 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0054 | 0.0005 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0054 | 0.00031 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.011 | 0.00089 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.11 | 0.016 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.011 | 0.00045 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0054 | 0.00089 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0054 | 0.00039 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |

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04/22/08

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 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-1-2
 Prism Sample ID: 210956
 Project ID: NCDOT: Boone - Parcel
 28 COC Group: G0408278
 Project No.: WBS# 35015.1.1 Time Collected: 04/08/08 16:15
 Sample Matrix: Soil Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0054 | 0.00036 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.011 | 0.00065 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0054 | 0.00023 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0054 | 0.00043 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0054 | 0.00037 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0054 | 0.00061 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0054 | 0.00045 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Tetrachloroethene | 13 | mg/kg | 2.7 | 0.24 | 500 | 8260B | 04/16/08 14:52 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0054 | 0.0004 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0054 | 0.00069 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0054 | 0.00064 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Trichloroethene | 0.032 | mg/kg | 0.0054 | 0.00079 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0054 | 0.00096 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.027 | 0.0015 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0054 | 0.00094 | 1 | 8260B | 04/15/08 21:56 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 101 | 81 - 128 |
| Dibromofluoromethane | 105 | 67 - 143 |
| Bromofluorobenzene | 109 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|----|-------|---------|-----|------|-------|----------------|--------|--------|
| Diesel Range Organics (DRO) | 34 | mg/kg | 8.5 | 2.1 | 1 | 8015B | 04/17/08 18:20 | jvogel | Q31874 |
| Sample Preparation: | | | 49.99 g | / | 2 mL | 3550B | 04/17/08 10:30 | jvogel | P21377 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 98 | 48 - 130 |

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 Project ID: NCDOT: Boone - Parcel
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 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-1-2
 Prism Sample ID: 210956
 COC Group: G0408278
 Time Collected: 04/08/08 16:15
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|------------------|-----------------|-------------------|--------------------|-----------------------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 6.40 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Weight 2 | 5.66 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.1 | 3.8 | 50 | 8015B | 04/13/08 3:53 | wbradley | Q31688 |
| | | | | Surrogate | | % Recovery | | Control Limits | |
| | | | | aaa-TFT | | 75 | | 55 - 129 | |

Sample Comment(s):

BRL = Below Reporting Limit
 J- Estimated value between the Reporting Limit and the MDL
 The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.
 All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



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Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-1-12
 Prism Sample ID: 210957
 COC Group: G0408278
 Time Collected: 04/08/08 16:20
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 83.7 | % | | | 1 | SM2540 G | 04/11/08 14:00 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 4.74 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.60 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Weight Methanol | 6.61 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0063 | 0.00074 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0063 | 0.00045 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0063 | 0.00067 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0063 | 0.00072 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00074 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0063 | 0.00072 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0063 | 0.00084 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0063 | 0.00082 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0063 | 0.00032 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0063 | 0.00078 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.0004 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0063 | 0.00071 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0063 | 0.0015 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0063 | 0.00053 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.00042 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0063 | 0.00026 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.00081 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0063 | 0.00091 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0063 | 0.00035 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |

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 Time Collected: 04/08/08 16:20
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.063 | 0.0054 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0063 | 0.00047 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.063 | 0.0065 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Acetone | BRL | mg/kg | 0.063 | 0.019 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0038 | 0.00053 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0063 | 0.00081 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0063 | 0.00052 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0063 | 0.00068 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0063 | 0.00057 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.013 | 0.0014 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0063 | 0.00042 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0063 | 0.00064 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0063 | 0.00058 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.013 | 0.0021 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0063 | 0.0015 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00083 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0063 | 0.0017 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0063 | 0.00029 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0063 | 0.00058 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0063 | 0.00037 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.013 | 0.0010 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.13 | 0.019 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.013 | 0.00053 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00045 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-1-12
 Prism Sample ID: 210957
 COC Group: G0408278
 Time Collected: 04/08/08 16:20
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0063 | 0.00042 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.013 | 0.00076 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0063 | 0.00026 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0063 | 0.0005 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00043 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0063 | 0.00071 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00053 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Tetrachloroethene | 0.020 | mg/kg | 0.0063 | 0.00057 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0063 | 0.00047 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0063 | 0.00081 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00074 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Trichloroethene | BRL | mg/kg | 0.0063 | 0.00092 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.032 | 0.0018 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 04/15/08 22:28 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 103 | 81 - 128 |
| Dibromofluoromethane | 105 | 67 - 143 |
| Bromofluorobenzene | 104 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|--------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.3 | 2.0 | 1 | 8015B | 04/17/08 18:56 | jvogel | Q31874 |
| Sample Preparation: | | | 50.31 g | / | 2 mL | 3550B | 04/17/08 10:30 | jvogel | P21377 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 87 | 48 - 130 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-1-12
 Prism Sample ID: 210957
 COC Group: G0408278
 Time Collected: 04/08/08 16:20
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.45 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Weight 2 | 4.06 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.0 | 3.7 | 50 | 8015B | 04/13/08 16:02 | wbradley | Q31688 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 93 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-2-12
 Prism Sample ID: 210958
 COC Group: G0408278
 Time Collected: 04/08/08 16:40
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 86.1 | % | | | 1 | SM2540 G | 04/11/08 14:00 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 5.04 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 5.06 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Weight Methanol | 4.58 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0058 | 0.00068 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0058 | 0.00041 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0058 | 0.00061 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0058 | 0.00066 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0058 | 0.00099 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0058 | 0.00068 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0058 | 0.00066 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0058 | 0.00077 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0058 | 0.00075 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0058 | 0.00029 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0058 | 0.00071 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0058 | 0.00037 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0058 | 0.00065 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0058 | 0.0014 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0058 | 0.00048 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0058 | 0.00038 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0058 | 0.00024 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0058 | 0.00074 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0058 | 0.00083 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0058 | 0.00032 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-2-12
 Prism Sample ID: 210958
 COC Group: G0408278
 Time Collected: 04/08/08 16:40
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.058 | 0.0050 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0058 | 0.00043 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.058 | 0.0060 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Acetone | BRL | mg/kg | 0.058 | 0.017 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0035 | 0.00048 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0058 | 0.00074 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0058 | 0.00047 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0058 | 0.00062 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0058 | 0.00052 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.012 | 0.0013 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0058 | 0.00038 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0058 | 0.00059 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0058 | 0.00053 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.012 | 0.0019 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0058 | 0.00096 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0058 | 0.0014 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0058 | 0.00092 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0058 | 0.00076 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0058 | 0.0016 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0058 | 0.00027 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0058 | 0.00053 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0058 | 0.00033 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.012 | 0.00094 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.12 | 0.017 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.012 | 0.00048 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0058 | 0.00094 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0058 | 0.00041 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |

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 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-2-12
 Prism Sample ID: 210958
 COC Group: G0408278
 Time Collected: 04/08/08 16:40
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0058 | 0.00038 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.012 | 0.00069 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0058 | 0.00024 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0058 | 0.00046 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0058 | 0.00039 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0058 | 0.00065 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0058 | 0.00048 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Tetrachloroethene | BRL | mg/kg | 0.0058 | 0.00052 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0058 | 0.00043 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0058 | 0.00074 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0058 | 0.00068 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Trichloroethene | BRL | mg/kg | 0.0058 | 0.00084 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0058 | 0.0010 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.029 | 0.0016 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0058 | 0.0010 | 1 | 8260B | 04/15/08 22:59 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 106 | 81 - 128 |
| Dibromofluoromethane | 106 | 67 - 143 |
| Bromofluorobenzene | 106 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|--------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.1 | 2.0 | 1 | 8015B | 04/17/08 19:31 | jvogel | Q31874 |
| Sample Preparation: | | | 49.93 g | / | 2 mL | 3550B | 04/17/08 10:30 | jvogel | P21377 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 80 | 48 - 130 |

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Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-2-12
 Prism Sample ID: 210958
 COC Group: G0408278
 Time Collected: 04/08/08 16:40
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 5.22 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Weight 2 | 4.88 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.8 | 3.6 | 50 | 8015B | 04/13/08 16:34 | wbradley | Q31688 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 89 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-3-12
 Prism Sample ID: 210959
 COC Group: G0408278
 Time Collected: 04/08/08 17:00
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 88.6 | % | | | 1 | SM2540 G | 04/11/08 14:00 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 4.98 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.48 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Weight Methanol | 3.73 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0057 | 0.00067 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0057 | 0.00041 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0057 | 0.0006 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0057 | 0.00065 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0057 | 0.00097 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0057 | 0.00067 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0057 | 0.00065 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0057 | 0.00076 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0057 | 0.00074 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0057 | 0.00028 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0057 | 0.0007 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0057 | 0.00036 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0057 | 0.00063 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0057 | 0.0014 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0057 | 0.00048 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0057 | 0.00037 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0057 | 0.00024 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0057 | 0.00073 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0057 | 0.00082 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0057 | 0.00032 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-3-12
 Prism Sample ID: 210959
 COC Group: G0408278
 Time Collected: 04/08/08 17:00
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.057 | 0.0049 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0057 | 0.00042 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.057 | 0.0059 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Acetone | BRL | mg/kg | 0.057 | 0.017 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0034 | 0.00048 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0057 | 0.00073 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0057 | 0.00046 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0057 | 0.00061 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0057 | 0.00051 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.011 | 0.0013 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0057 | 0.00037 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0057 | 0.00058 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0057 | 0.00052 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.011 | 0.0019 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0057 | 0.00094 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0057 | 0.0014 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0057 | 0.00091 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0057 | 0.00075 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0057 | 0.0016 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0057 | 0.00026 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0057 | 0.00052 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0057 | 0.00033 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.011 | 0.00093 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.11 | 0.017 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.011 | 0.00048 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0057 | 0.00093 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0057 | 0.00041 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-3-12
 Prism Sample ID: 210959
 COC Group: G0408278
 Time Collected: 04/08/08 17:00
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0057 | 0.00037 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.011 | 0.00068 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0057 | 0.00024 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0057 | 0.00045 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0057 | 0.00039 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0057 | 0.00063 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0057 | 0.00048 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Tetrachloroethene | BRL | mg/kg | 0.0057 | 0.00051 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0057 | 0.00042 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0057 | 0.00073 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0057 | 0.00067 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Trichloroethene | BRL | mg/kg | 0.0057 | 0.00083 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0057 | 0.0010 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.028 | 0.0016 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0057 | 0.00099 | 1 | 8260B | 04/15/08 23:31 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 108 | 81 - 128 |
| Dibromofluoromethane | 106 | 67 - 143 |
| Bromofluorobenzene | 106 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|--------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 7.9 | 1.9 | 1 | 8015B | 04/17/08 20:07 | jvogel | Q31874 |
| Sample Preparation: | | | 49.95 g | / | 2 mL | 3550B | 04/17/08 10:30 | jvogel | P21377 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 77 | 48 - 130 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-3-12
 Prism Sample ID: 210959
 COC Group: G0408278
 Time Collected: 04/08/08 17:00
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.36 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Weight 2 | 4.44 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.6 | 3.5 | 50 | 8015B | 04/13/08 17:05 | wbradley | Q31688 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 94 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



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 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-4-12
 Prism Sample ID: 210960
 COC Group: G0408278
 Time Collected: 04/09/08 8:45
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 85.9 | % | | | 1 | SM2540 G | 04/11/08 14:00 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 4.59 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.90 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| Weight Methanol | 4.90 | g | | | 1 | 5035 | 04/11/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0063 | 0.00075 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0063 | 0.00046 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0063 | 0.00067 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0063 | 0.00072 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00075 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0063 | 0.00072 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0063 | 0.00085 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0063 | 0.00082 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0063 | 0.00032 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0063 | 0.00079 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.00041 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0063 | 0.00071 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0063 | 0.0015 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0063 | 0.00053 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.00042 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0063 | 0.00027 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.00081 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0063 | 0.00091 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0063 | 0.00036 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |

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NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-4-12
 Prism Sample ID: 210960
 COC Group: G0408278
 Time Collected: 04/09/08 8:45
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.063 | 0.0055 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0063 | 0.00047 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.063 | 0.0066 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Acetone | BRL | mg/kg | 0.063 | 0.019 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0038 | 0.00053 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0063 | 0.00081 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0063 | 0.00052 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0063 | 0.00068 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0063 | 0.00057 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.013 | 0.0014 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0063 | 0.00042 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0063 | 0.00065 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0063 | 0.00058 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.013 | 0.0021 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0063 | 0.0015 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00084 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0063 | 0.0018 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0063 | 0.00029 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0063 | 0.00058 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0063 | 0.00037 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.013 | 0.0010 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.13 | 0.019 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.013 | 0.00053 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00046 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |

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Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-4-12
 Prism Sample ID: 210960
 COC Group: G0408278
 Time Collected: 04/09/08 8:45
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|----------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0063 | 0.00042 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.013 | 0.00076 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0063 | 0.00027 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0063 | 0.00051 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00043 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0063 | 0.00071 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00053 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Tetrachloroethene | 0.0030 J | mg/kg | 0.0063 | 0.00057 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0063 | 0.00047 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0063 | 0.00081 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00075 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Trichloroethene | BRL | mg/kg | 0.0063 | 0.00093 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.032 | 0.0018 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 04/16/08 0:03 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 107 | 81 - 128 |
| Dibromofluoromethane | 107 | 67 - 143 |
| Bromofluorobenzene | 104 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|--------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.1 | 2.0 | 1 | 8015B | 04/17/08 20:43 | jvogel | Q31874 |
| Sample Preparation: | | | 50.29 g | / | 2 mL | 3550B | 04/17/08 10:30 | jvogel | P21377 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 83 | 48 - 130 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-4-12
 Prism Sample ID: 210960
 COC Group: G0408278
 Time Collected: 04/09/08 8:45
 Time Submitted: 04/09/08 15:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.71 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Weight 2 | 4.80 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.8 | 3.6 | 50 | 8015B | 04/13/08 17:37 | wbradley | Q31688 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 85 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0408278
 Date/Time Submitted: 4/9/2008 15:50

Gasoline Range Organics (GRO) by GC-FID, method 8015B

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-------------------------------|--------|----|---------------|-------|-------------|
| Gasoline Range Organics (GRO) | ND | 5 | <2.5 | mg/kg | Q31688 |

Laboratory Control Sample

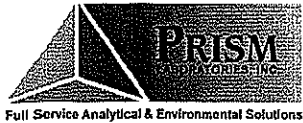
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|-------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Gasoline Range Organics (GRO) | 48.8 | 50 | mg/kg | 98 | 67-116 | Q31688 |

Matrix Spike

| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| 210956 Gasoline Range Organics (GRO) | 53.3 | 50 | mg/kg | 107 | 57-113 | Q31688 |

Matrix Spike Duplicate

| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
|--------------------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| 210956 Gasoline Range Organics (GRO) | 53.9 | 50 | mg/kg | 108 | 57-113 | 1 | 0 - 23 | Q31688 |



NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Level II QC Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0408278
 Date/Time Submitted: 4/9/2008 15:50

Volatile Organic Compounds by GC/MS, method 8260B

| Method Blank | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| 1,1,1-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,1,2,2-Tetrachloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,1,2-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,1-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,1-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,1-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2,3-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2,3-Trichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2,4-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2,4-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2-Dibromoethane (EDB) | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,3,5-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,3-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,3-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,4-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 2,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 2-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 2-Hexanone | ND | 0.05 | <0.025 | mg/kg | Q31741 |
| 4-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.05 | <0.025 | mg/kg | Q31741 |
| Acetone | ND | 0.05 | <0.025 | mg/kg | Q31741 |
| Benzene | ND | 0.003 | <0.0015 | mg/kg | Q31741 |
| Bromobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Bromochloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Bromodichloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Bromoform | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Bromomethane | ND | 0.01 | <0.005 | mg/kg | Q31741 |
| Carbon tetrachloride | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Chlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Chlorodibromomethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Chloroethane | ND | 0.01 | <0.005 | mg/kg | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0408278
 Date/Time Submitted: 4/9/2008 15:50

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| Chloroform | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Chloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| cis-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| cis-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Dichlorodifluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Ethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Isopropyl ether (IPE) | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Isopropylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| m,p-Xylenes | ND | 0.01 | <0.005 | mg/kg | Q31741 |
| Methyl ethyl ketone (MEK) | ND | 0.1 | <0.05 | mg/kg | Q31741 |
| Methyl t-butyl ether (MTBE) | ND | 0.01 | <0.005 | mg/kg | Q31741 |
| Methylene chloride | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| n-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| n-Propylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Naphthalene | ND | 0.01 | <0.005 | mg/kg | Q31741 |
| o-Xylene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| p-Isopropyltoluene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| sec-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Styrene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| tert-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Tetrachloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Toluene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| trans-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| trans-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Trichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Trichlorofluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Vinyl acetate | ND | 0.025 | <0.0125 | mg/kg | Q31741 |
| Vinyl chloride | ND | 0.005 | <0.0025 | mg/kg | Q31741 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------|---------|--------------|-------|------------|-------------------|-------------|
| 1,1-Dichloroethene | 0.04182 | 0.05 | mg/kg | 84 | 57-122 | Q31741 |
| Benzene | 0.04274 | 0.05 | mg/kg | 85 | 62-119 | Q31741 |
| Chlorobenzene | 0.04245 | 0.05 | mg/kg | 85 | 61-124 | Q31741 |
| Toluene | 0.04525 | 0.05 | mg/kg | 91 | 57-122 | Q31741 |
| Trichloroethene | 0.04463 | 0.05 | mg/kg | 89 | 59-129 | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0408278
 Date/Time Submitted: 4/9/2008 15:50

| Matrix Spike | | | | | | |
|---------------------------|---------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 210956 1,1-Dichloroethene | 0.03473 | 0.05 | mg/kg | 69 | 44-140 | Q31741 |
| Benzene | 0.03513 | 0.05 | mg/kg | 70 | 46-136 | Q31741 |
| Chlorobenzene | 0.03172 | 0.05 | mg/kg | 63 | 47-135 | Q31741 |
| Toluene | 0.03487 | 0.05 | mg/kg | 70 | 47-136 | Q31741 |
| Trichloroethene | 0.04799 | 0.05 | mg/kg | 43 # | 45-141 | Q31741 |

| Matrix Spike Duplicate | | | | | | | | |
|-------------------------------|---------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 210956 1,1-Dichloroethene | 0.03604 | 0.05 | mg/kg | 72 | 44-140 | 4 | 0 - 23 | Q31741 |
| Benzene | 0.0341 | 0.05 | mg/kg | 68 | 46-136 | 3 | 0 - 22 | Q31741 |
| Chlorobenzene | 0.02652 | 0.05 | mg/kg | 53 | 47-135 | 18 | 0 - 22 | Q31741 |
| Toluene | 0.03171 | 0.05 | mg/kg | 63 | 47-136 | 9 | 0 - 22 | Q31741 |
| Trichloroethene | 0.05758 | 0.05 | mg/kg | 62 | 45-141 | 18 | 0 - 23 | Q31741 |

Diesel Range Organics (DRO) by GC-FID, method 8015B

| Method Blank | | | | | |
|-----------------------------|--------|----|---------------|-------|-------------|
| | Result | RL | Control Limit | Units | QC Batch ID |
| Diesel Range Organics (DRO) | ND | 7 | <3.5 | mg/kg | Q31874 |

| Laboratory Control Sample | | | | | | |
|----------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| Diesel Range Organics (DRO) | 33.5 | 40 | mg/kg | 84 | 53-118 | Q31874 |

| Matrix Spike | | | | | | |
|------------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 210956 Diesel Range Organics (DRO) | 51.4 | 40 | mg/kg | 59 | 52-119 | Q31874 |

| Matrix Spike Duplicate | | | | | | | | |
|------------------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 210956 Diesel Range Organics (DRO) | 47.3 | 40 | mg/kg | 49 # | 52-119 | 8 | 0 - 25 | Q31874 |

#-See Case Narrative



Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543
Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: VRS Corporation
Report To/Contact Name: Monika Meyers-Lee
Reporting Address: 1600 Perimeter Park Dr. Suite 400
Morrisville, N.C. 27560

Phone: 919/461-1106 Fax: (No) 919/461-1115
Email: (Yes) (No) Email Address: Monika.Meyers-Lee@VRS.com

EDD Type: PDF Excel Other
Site Location Name: Parcel 28

Site Location Physical Address: 320 E. King St.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING:

Project Name: NC DOT: BOONE

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

*Please ATTACH any project specific reporting (QC LEVEL I III III IV) provisions and/or QC Requirements

Invoice To: Direct Bill: NCDOT

Address: State Project: U-4020

Purchase Order No./Billing Reference: WRS Account: 3501514

Requested Due Date 1 Day 2 Days 3 Days 4 Days 5 Days

"Working Days" 6-9 Days Standard 10 days Rush Work Must Be Pre-Approved

Samples received after 15:00 will be processed next business day.

Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

Samples INTACT upon arrival? YES NO N/A

Received ON WET ICE? Temp 5.1

PROPER PRESERVATIVES indicated?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INTACT?

VOLATILES rec'd W/O HEADSPACE?

PROPER CONTAINERS used?

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC USACE FL NC

SC OTHER N/A

Water Chlorinated: YES NO

Sample Iced Upon Collection: YES NO

| CLIENT SAMPLE DESCRIPTION | DATE COLLECTED | TIME COLLECTED MILITARY HOURS | MATRIX (SOIL, WATER OR SLUDGE) | SAMPLE CONTAINER | | | PRESERVATIVES | ANALYSES REQUESTED | REMARKS | PRISM LAB ID NO. |
|---------------------------|----------------|-------------------------------|--------------------------------|------------------|-----|-----------------------------|----------------|--------------------|---------|------------------|
| | | | | *TYPE SEE BELOW | NO. | SIZE | | | | |
| P28-1-2 | 4-8-08 | 1615 | Soil | G | 7 | 2-40 mL 7-85 mL 1-202 | Substrate soil | 2 1 1 3 | | 210956 |
| P28-1-12 | | 1620 | | G | 7 | | | 2 1 1 3 | | 210957 |
| P28-2-12 | | 1640 | | G | 7 | | | 2 1 1 3 | | 210953 |
| P28-3-12 | | 1700 | | G | 7 | | | 2 1 1 3 | | 210959 |
| P28-4-12 | 4-9-08 | 0845 | Soil | G | 7 | 3-40 mL 7-40 mL 1-252 | | 2 1 1 3 | | 210960 |

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

PRISM USE ONLY

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

Additional Comments:

Date: 4/9/08

Date: 04/16

Date: 4/9/08

COG Group No. 1530

COG Group No. 6043373

COG Group No. 6043373

COG Group No. 6043373

COG Group No. 6043373

COG Group No. 6043373

COG Group No. 6043373

COG Group No. 6043373

COG Group No. 6043373

Sampler's Signature: Michael Meese

Sampled By (Print Name): Michael Meese

Affiliation: VRS Corp.

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Received By (Signature): [Signature]

Method of Shipment: Fed Ex UPS Hand-delivered Prism Field Service Other

NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

NPDES: NC SC NC SC NC SC NC SC NC SC NC SC

Drinking Water: NC SC NC SC NC SC NC SC NC SC

Solid Waste: NC SC NC SC NC SC NC SC

RCRA: NC SC NC SC NC SC NC SC

CERCLA: NC SC NC SC NC SC NC SC

Other: NC SC NC SC NC SC NC SC

CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

Case Narrative



Date: 04/22/08
Company: N. C. Department of Transportation
Contact: Martha Meyers-Lee
Address: c/o URS
1600 Perimeter Park Dr. Suite 400
Morrisville, NC 27560

Client Project ID: NCDOT: Boone - Parcel 28
Prism COC Group No: G0408348
Collection Date(s): 04/09/08
Lab Submittal Date(s): 04/11/08

Client Project Name Or No: State Project: U-4020/ 320 E. King

This data package contains the analytical results for the project identified above and includes a Case Narrative, Laboratory Report and Quality Control Data totaling 33 pages. A chain-of-custody is also attached for the samples submitted to Prism for this project.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative. Quality control statements and/or sample specific remarks are included in the sample comments section of the laboratory report for each sample affected.

Semi Volatile Analysis

No Anomalies Reported

Volatile Analysis

Analysis Note for Q31741 MS Trichloroethene: Recovery outside of the control limits. Matrix interference is suspected.

Metals Analysis

N/A

Wet Lab and Micro Analysis

N/A

Please call if you have any questions relating to this analytical report.

Date Reviewed by: Robbi A. Jones

Project Manager: Robbi A. Jones

Signature:

Signature:

Review Date: 04/22/08

Approval Date: 04/22/08

Data Qualifiers Key Reference:

- B: Compound also detected in the method blank.
- #: Result outside of the QC limits.
- DO: Compound diluted out.
- E: Estimated concentration, calibration range exceeded.
- J: The analyte was positively identified but the value is estimated below the reporting limit.
- H: Estimated concentration with a high bias.
- L: Estimated concentration with a low bias.
- M: A matrix effect is present.

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-5-8
 Prism Sample ID: 211179
 COC Group: G0408348
 Time Collected: 04/09/08 9:05
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 91.4 | % | | | 1 | SM2540 G | 04/15/08 11:15 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 4.42 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.51 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Methanol | 4.59 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0062 | 0.00073 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,1,1,2-Tetrachloroethane | BRL | mg/kg | 0.0062 | 0.00045 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0062 | 0.00066 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0062 | 0.00071 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0062 | 0.0011 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0062 | 0.00073 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0062 | 0.00071 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0062 | 0.00083 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0062 | 0.0008 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0062 | 0.00031 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0062 | 0.00077 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0062 | 0.0004 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0062 | 0.00069 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0062 | 0.0015 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0062 | 0.00052 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0062 | 0.00041 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0062 | 0.00026 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0062 | 0.00079 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0062 | 0.00089 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0062 | 0.00035 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-5-8
 Prism Sample ID: 211179
 COC Group: G0408348
 Time Collected: 04/09/08 9:05
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.062 | 0.0053 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0062 | 0.00046 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.062 | 0.0064 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Acetone | BRL | mg/kg | 0.062 | 0.018 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0037 | 0.00052 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0062 | 0.00079 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0062 | 0.00051 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0062 | 0.00067 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0062 | 0.00056 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.012 | 0.0014 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0062 | 0.00041 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0062 | 0.00063 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0062 | 0.00057 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.012 | 0.0021 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0062 | 0.0010 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0062 | 0.0015 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0062 | 0.00099 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0062 | 0.00082 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0062 | 0.0017 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0062 | 0.00028 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0062 | 0.00057 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0062 | 0.00036 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.012 | 0.0010 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.12 | 0.018 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.012 | 0.00052 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0062 | 0.0010 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0062 | 0.00045 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-5-8
 Prism Sample ID: 211179
 COC Group: G0408348
 Time Collected: 04/09/08 9:05
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0062 | 0.00041 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.012 | 0.00074 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0062 | 0.00026 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0062 | 0.0005 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0062 | 0.00042 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0062 | 0.00069 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0062 | 0.00052 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Tetrachloroethene | 0.013 | mg/kg | 0.0062 | 0.00056 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0062 | 0.00046 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0062 | 0.00079 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0062 | 0.00073 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Trichloroethene | BRL | mg/kg | 0.0062 | 0.0009 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0062 | 0.0011 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.031 | 0.0017 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0062 | 0.0011 | 1 | 8260B | 04/16/08 2:08 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 105 | 81 - 128 |
| Dibromofluoromethane | 106 | 67 - 143 |
| Bromofluorobenzene | 105 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO) **BRL** mg/kg 7.6 1.2 1 8015B 04/21/08 15:05 jvogel Q31897

Sample Preparation: 25.03 g / 1 mL 3545 04/18/08 15:30 woonder P21373

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 66 | 49 - 124 |

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NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-5-8
 Prism Sample ID: 211179
 COC Group: G0408348
 Time Collected: 04/09/08 9:05
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.44 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Weight 2 | 4.74 | g | | | 1 | GRO | 04/11/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.5 | 3.4 | 50 | 8015B | 04/15/08 15:37 | wbradley | Q31760 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 66 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil
 Client Sample ID: P28-6-8
 Prism Sample ID: 211180
 COC Group: G0408348
 Time Collected: 04/09/08 9:30
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|
|-----------|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|

Percent Solids Determination

| | | | | | | | | | |
|----------------|------|---|--|--|---|----------|----------------|---------|--|
| Percent Solids | 70.6 | % | | | 1 | SM2540 G | 04/15/08 11:15 | mbarber | |
|----------------|------|---|--|--|---|----------|----------------|---------|--|

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|-----|-----|---|-------|----------------|--------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 9.9 | 1.6 | 1 | 8015B | 04/21/08 15:41 | jvogel | Q31897 |
|-----------------------------|-----|-------|-----|-----|---|-------|----------------|--------|--------|

Sample Preparation: 25.04 g / 1 mL 3545 04/18/08 15:30 wconder P21373

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 66 | 49 - 124 |

Sample Weight Determination

| | | | | | | | | | |
|----------|------|---|--|--|---|-----|---------------|--------|--|
| Weight 1 | 4.71 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |
| Weight 2 | 4.83 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |

Gasoline Range Organics (GRO) by GC-FID

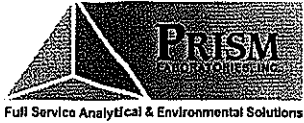
| | | | | | | | | | |
|-------------------------------|-----|-------|-----|-----|----|-------|----------------|----------|--------|
| Gasoline Range Organics (GRO) | BRL | mg/kg | 7.1 | 4.4 | 50 | 8015B | 04/15/08 18:21 | wbradley | Q31760 |
|-------------------------------|-----|-------|-----|-----|----|-------|----------------|----------|--------|

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 57 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit
 J- Estimated value between the Reporting Limit and the MDL
 The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.
 All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil
 Client Sample ID: P28-7-12
 Prism Sample ID: 211181
 COC Group: G0408348
 Time Collected: 04/09/08 9:45
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 79.6 | % | | | 1 | SM2540 G | 04/15/08 11:15 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 4.61 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.44 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Methanol | 4.76 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0068 | 0.0008 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0068 | 0.00049 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0068 | 0.00072 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0068 | 0.00078 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0068 | 0.0012 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0068 | 0.0008 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0068 | 0.00078 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0068 | 0.00091 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0068 | 0.00089 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0068 | 0.00034 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0068 | 0.00084 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0068 | 0.00044 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0068 | 0.00076 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0068 | 0.0016 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0068 | 0.00057 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0068 | 0.00045 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0068 | 0.00029 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0068 | 0.00087 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0068 | 0.00098 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0068 | 0.00038 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-7-12
 Prism Sample ID: 211181
 COC Group: G0408348
 Time Collected: 04/09/08 9:45
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.068 | 0.0059 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0068 | 0.0005 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.068 | 0.0071 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Acetone | BRL | mg/kg | 0.068 | 0.020 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0041 | 0.00057 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0068 | 0.00087 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0068 | 0.00056 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0068 | 0.00074 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0068 | 0.00061 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.014 | 0.0015 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0068 | 0.00045 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0068 | 0.00069 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0068 | 0.00063 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.014 | 0.0023 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0068 | 0.0011 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0068 | 0.0016 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0068 | 0.0011 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0068 | 0.0009 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0068 | 0.0019 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0068 | 0.00031 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0068 | 0.00063 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0068 | 0.0004 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.014 | 0.0011 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.14 | 0.020 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.014 | 0.00057 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0068 | 0.0011 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0068 | 0.00049 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil
 Client Sample ID: P28-7-12
 Prism Sample ID: 211181
 COC Group: G0408348
 Time Collected: 04/09/08 9:45
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0068 | 0.00045 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.014 | 0.00082 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0068 | 0.00029 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0068 | 0.00055 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0068 | 0.00046 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0068 | 0.00076 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0068 | 0.00057 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Tetrachloroethene | BRL | mg/kg | 0.0068 | 0.00061 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0068 | 0.0005 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0068 | 0.00087 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0068 | 0.0008 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Trichloroethene | BRL | mg/kg | 0.0068 | 0.00099 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0068 | 0.0012 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.034 | 0.0019 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0068 | 0.0012 | 1 | 8260B | 04/16/08 2:40 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 106 | 81 - 128 |
| Dibromofluoromethane | 105 | 67 - 143 |
| Bromofluorobenzene | 104 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|--------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.7 | 1.4 | 1 | 8015B | 04/21/08 16:17 | jvogel | Q31897 |
| Sample Preparation: | | | 25.2 g | / | 1 mL | 3545 | 04/18/08 15:30 | wconder | P21373 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 49 | 49 - 124 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-7-12
 Prism Sample ID: 211181
 COC Group: G0408348
 Time Collected: 04/09/08 9:45
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.30 | g | | | 1 | GRO | 04/21/08 0:00 | Athao | |
| Weight 2 | 4.25 | g | | | 1 | GRO | 04/21/08 0:00 | Athao | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.3 | 3.9 | 50 | 8015B | 04/15/08 18:52 | wbradley | Q31760 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 83 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit
J- Estimated value between the Reporting Limit and the MDL
The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.
All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-8-8
 Prism Sample ID: 211182
 COC Group: G0408348
 Time Collected: 04/09/08 10:00
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|------------------|-----|-----------------|----------|--------------------|-----------------------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 91.4 | % | | | 1 | SM2540 G | 04/15/08 11:15 | mbarber | |
| Diesel Range Organics (DRO) by GC-FID | | | | | | | | | |
| Diesel Range Organics (DRO) | BRL | mg/kg | 7.6 | 1.2 | 1 | 8015B | 04/21/08 16:53 | jvogel | Q31897 |
| Sample Preparation: | | | 25.23 g | / | 1 mL | 3545 | 04/18/08 15:30 | wconder | P21373 |
| | | | Surrogate | | | | % Recovery | Control Limits | |
| | | | o-Terphenyl | | | | 59 | 49 - 124 | |
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.81 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |
| Weight 2 | 4.66 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.5 | 3.4 | 50 | 8015B | 04/15/08 19:23 | wbradley | Q31760 |
| | | | Surrogate | | | | % Recovery | Control Limits | |
| | | | aaa-TFT | | | | 59 | 55 - 129 | |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil
 Client Sample ID: P28-9-12
 Prism Sample ID: 211183
 COC Group: G0408348
 Time Collected: 04/09/08 10:30
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|------------------|-------------------|-----------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 78.1 | % | | | 1 | SM2540 G | 04/15/08 11:15 | mbarber | |
| Diesel Range Organics (DRO) by GC-FID | | | | | | | | | |
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.9 | 1.4 | 1 | 8015B | 04/21/08 17:29 | jvogel | Q31897 |
| Sample Preparation: | | | 25.28 g | / | 1 mL | 3545 | 04/18/08 15:30 | wconder | P21373 |
| | | | | | Surrogate | % Recovery | Control Limits | | |
| | | | | | o-Terphenyl | 62 | 49 - 124 | | |
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.53 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |
| Weight 2 | 4.37 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.4 | 4.0 | 50 | 8015B | 04/15/08 19:55 | wbradley | Q31760 |
| | | | | | Surrogate | % Recovery | Control Limits | | |
| | | | | | aaa-TFT | 98 | 55 - 129 | | |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

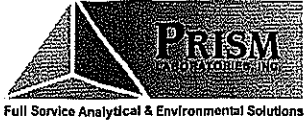
All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

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Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-10-12
 Prism Sample ID: 211184
 COC Group: G0408348
 Time Collected: 04/09/08 10:50
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 88.3 | % | | | 1 | SM2540 G | 04/15/08 11:15 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 4.05 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.94 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Methanol | 4.57 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0070 | 0.00082 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0070 | 0.0005 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0070 | 0.00074 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0070 | 0.0008 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0070 | 0.0012 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0070 | 0.00082 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0070 | 0.0008 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0070 | 0.00094 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0070 | 0.00091 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0070 | 0.00035 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0070 | 0.00087 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0070 | 0.00045 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0070 | 0.00078 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0070 | 0.0017 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0070 | 0.00059 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0070 | 0.00046 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0070 | 0.00029 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0070 | 0.00089 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0070 | 0.0010 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0070 | 0.00039 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |

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 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-10-12
 Prism Sample ID: 211184
 COC Group: G0408348
 Time Collected: 04/09/08 10:50
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.070 | 0.0060 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0070 | 0.00052 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.070 | 0.0073 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Acetone | BRL | mg/kg | 0.070 | 0.021 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0042 | 0.00059 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0070 | 0.00089 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0070 | 0.00057 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0070 | 0.00076 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0070 | 0.00063 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.014 | 0.0016 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0070 | 0.00046 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0070 | 0.00071 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0070 | 0.00064 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.014 | 0.0023 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0070 | 0.0012 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0070 | 0.0017 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0070 | 0.0011 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0070 | 0.00092 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0070 | 0.0019 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0070 | 0.00032 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0070 | 0.00064 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0070 | 0.00041 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.014 | 0.0011 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.14 | 0.021 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.014 | 0.00059 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0070 | 0.0011 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0070 | 0.0005 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |

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Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-10-12
 Prism Sample ID: 211184
 COC Group: G0408348
 Time Collected: 04/09/08 10:50
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0070 | 0.00046 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.014 | 0.00084 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0070 | 0.00029 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0070 | 0.00056 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0070 | 0.00048 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0070 | 0.00078 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0070 | 0.00059 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Tetrachloroethene | BRL | mg/kg | 0.0070 | 0.00063 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0070 | 0.00052 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0070 | 0.00089 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0070 | 0.00082 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Trichloroethene | BRL | mg/kg | 0.0070 | 0.0010 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0070 | 0.0012 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.035 | 0.0020 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0070 | 0.0012 | 1 | 8260B | 04/16/08 3:11 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 110 | 81 - 128 |
| Dibromofluoromethane | 106 | 67 - 143 |
| Bromofluorobenzene | 107 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 7.8 | 1.3 | 1 | 8015B | 04/21/08 18:05 | jvoegel | Q31897 |
| Sample Preparation: | | | 25.53 g | / | 1 mL | 3545 | 04/18/08 15:30 | wconder | P21373 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 59 | 49 - 124 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-10-12
 Prism Sample ID: 211184
 COC Group: G0408348
 Time Collected: 04/09/08 10:50
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.53 | g | | | 1 | GRO | 04/17/08 0:00 | athao | |
| Weight 2 | 4.35 | g | | | 1 | GRO | 04/17/08 0:00 | athao | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.7 | 3.5 | 50 | 8015B | 04/15/08 20:27 | wbradley | Q31760 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 97 | 55 - 129 |

Sample Comment(s):

*BRL = Below Reporting Limit
 J- Estimated value between the Reporting Limit and the MDL
 The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.
 All results are reported on a dry-weight basis*

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-11-12
 Prism Sample ID: 211185
 COC Group: G0408348
 Time Collected: 04/09/08 11:15
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|
|-----------|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|

Percent Solids Determination

| | | | | | | | | | |
|----------------|------|---|--|--|---|----------|----------------|---------|--|
| Percent Solids | 80.3 | % | | | 1 | SM2540 G | 04/15/08 11:15 | mbarber | |
|----------------|------|---|--|--|---|----------|----------------|---------|--|

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|-----|-----|---|-------|----------------|--------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.6 | 1.4 | 1 | 8015B | 04/21/08 18:40 | jvogel | Q31897 |
|-----------------------------|-----|-------|-----|-----|---|-------|----------------|--------|--------|

Sample Preparation: 25.28 g / 1 mL 3545 04/18/08 15:30 wconder P21373

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 55 | 49 - 124 |

Sample Weight Determination

| | | | | | | | | | |
|----------|------|---|--|--|---|-----|---------------|-------|--|
| Weight 1 | 5.17 | g | | | 1 | GRO | 04/21/08 0:00 | Athao | |
| Weight 2 | 5.08 | g | | | 1 | GRO | 04/21/08 0:00 | Athao | |

Gasoline Range Organics (GRO) by GC-FID

| | | | | | | | | | |
|-------------------------------|-----|-------|-----|-----|----|-------|----------------|----------|--------|
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.2 | 3.9 | 50 | 8015B | 04/15/08 20:28 | wbradley | Q31760 |
|-------------------------------|-----|-------|-----|-----|----|-------|----------------|----------|--------|

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 97 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit
 J- Estimated value between the Reporting Limit and the MDL
 The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.
 All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-12-12
 Prism Sample ID: 211186
 COC Group: G0408348
 Time Collected: 04/09/08 11:25
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 72.6 | % | | | 1 | SM2540 G | 04/15/08 11:15 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 4.98 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.86 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Methanol | 4.42 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0069 | 0.00082 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,1,1,2-Tetrachloroethane | BRL | mg/kg | 0.0069 | 0.0005 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0069 | 0.00073 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0069 | 0.00079 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0069 | 0.0012 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0069 | 0.00082 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0069 | 0.00079 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0069 | 0.00093 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0069 | 0.0009 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0069 | 0.00035 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0069 | 0.00086 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0069 | 0.00044 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0069 | 0.00077 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0069 | 0.0017 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0069 | 0.00058 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0069 | 0.00046 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0069 | 0.00029 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0069 | 0.00089 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0069 | 0.0010 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0069 | 0.00039 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-12-12
 Prism Sample ID: 211186
 COC Group: G0408348
 Time Collected: 04/09/08 11:25
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.069 | 0.0060 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0069 | 0.00051 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.069 | 0.0072 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Acetone | BRL | mg/kg | 0.069 | 0.021 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0041 | 0.00058 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0069 | 0.00089 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0069 | 0.00057 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0069 | 0.00075 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0069 | 0.00062 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.014 | 0.0015 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0069 | 0.00046 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0069 | 0.00071 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0069 | 0.00064 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.014 | 0.0023 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0069 | 0.0011 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0069 | 0.0017 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0069 | 0.0011 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0069 | 0.00091 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0069 | 0.0019 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0069 | 0.00032 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0069 | 0.00064 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0069 | 0.0004 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.014 | 0.0011 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.14 | 0.020 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.014 | 0.00058 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0069 | 0.0011 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0069 | 0.0005 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil
 Client Sample ID: P28-12-12
 Prism Sample ID: 211186
 COC Group: G0408348
 Time Collected: 04/09/08 11:25
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0069 | 0.00046 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.014 | 0.00083 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0069 | 0.00029 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0069 | 0.00055 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0069 | 0.00047 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0069 | 0.00077 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0069 | 0.00058 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Tetrachloroethene | BRL | mg/kg | 0.0069 | 0.00062 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0069 | 0.00051 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0069 | 0.00089 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0069 | 0.00082 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Trichloroethene | BRL | mg/kg | 0.0069 | 0.0010 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0069 | 0.0012 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.035 | 0.0019 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0069 | 0.0012 | 1 | 8260B | 04/16/08 3:42 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 113 | 81 - 128 |
| Dibromofluoromethane | 107 | 67 - 143 |
| Bromofluorobenzene | 106 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 9.6 | 1.6 | 1 | 8015B | 04/21/08 19:16 | jvogel | Q31897 |
| Sample Preparation: | | | 25.07 g | / | 1 mL | 3545 | 04/18/08 15:30 | wconder | P21373 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 68 | 49 - 124 |

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Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-12-12
 Prism Sample ID: 211186
 COC Group: G0408348
 Time Collected: 04/09/08 11:25
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight 1 | 4.33 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |
| Weight 2 | 4.62 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |
| <u>Gasoline Range Organics (GRO) by GC-FID</u> | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.9 | 4.3 | 50 | 8015B | 04/15/08 21:30 | wbradley | Q31760 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 73 | 55 - 129 |

Sample Comment(s):

*BRL = Below Reporting Limit
 J- Estimated value between the Reporting Limit and the MDL
 The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.
 All results are reported on a dry-weight basis*

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-13-12
 Prism Sample ID: 211187
 Project ID: NCDOT: Boone - Parcel
 28 COC Group: G0408348
 Project No.: WBS# 35015.1.1 Time Collected: 04/09/08 11:40
 Sample Matrix: Soil Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 76.4 | % | | | 1 | SM2540 G | 04/15/08 11:15 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 5.89 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 5.51 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Methanol | 5.05 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0056 | 0.00066 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0056 | 0.0004 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0056 | 0.00059 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0056 | 0.00063 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0056 | 0.00096 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0056 | 0.00066 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0056 | 0.00063 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0056 | 0.00074 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0056 | 0.00072 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0056 | 0.00028 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0056 | 0.00069 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0056 | 0.00036 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0056 | 0.00062 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0056 | 0.0013 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0056 | 0.00047 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0056 | 0.00037 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0056 | 0.00023 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0056 | 0.00071 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0056 | 0.0008 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0056 | 0.00031 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-13-12
 Prism Sample ID: 211187
 COC Group: G0408348
 Time Collected: 04/09/08 11:40
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.056 | 0.0048 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0056 | 0.00041 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.056 | 0.0058 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Acetone | BRL | mg/kg | 0.056 | 0.016 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0033 | 0.00047 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0056 | 0.00071 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0056 | 0.00046 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0056 | 0.0006 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0056 | 0.0005 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.011 | 0.0012 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0056 | 0.00037 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0056 | 0.00057 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0056 | 0.00051 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.011 | 0.0019 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0056 | 0.00092 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0056 | 0.0013 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0056 | 0.00089 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0056 | 0.00073 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0056 | 0.0015 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0056 | 0.00026 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0056 | 0.00051 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0056 | 0.00032 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.011 | 0.00091 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.11 | 0.016 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.011 | 0.00047 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0056 | 0.00091 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0056 | 0.0004 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-13-12
 Prism Sample ID: 211187
 COC Group: G0408348
 Time Collected: 04/09/08 11:40
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|-----------------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0056 | 0.00037 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.011 | 0.00067 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0056 | 0.00023 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0056 | 0.00044 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0056 | 0.00038 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0056 | 0.00062 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0056 | 0.00047 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Tetrachloroethene | 0.0048 J | mg/kg | 0.0056 | 0.0005 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0056 | 0.00041 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0056 | 0.00071 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0056 | 0.00066 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Trichloroethene | BRL | mg/kg | 0.0056 | 0.00081 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0056 | 0.00099 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.028 | 0.0016 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0056 | 0.00097 | 1 | 8260B | 04/16/08 4:14 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 104 | 81 - 128 |
| Dibromofluoromethane | 109 | 67 - 143 |
| Bromofluorobenzene | 103 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 9.1 | 1.5 | 1 | 8015B | 04/21/08 19:52 | jvoegel | Q31897 |
| Sample Preparation: | | | 25.13 g | / | 1 mL | 3545 | 04/18/08 15:30 | wconder | P21373 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 63 | 49 - 124 |

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Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-13-12
 Prism Sample ID: 211187
 COC Group: G0408348
 Time Collected: 04/09/08 11:40
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 5.59 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |
| Weight 2 | 5.23 | g | | | 1 | GRO | 04/14/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.5 | 4.1 | 50 | 8015B | 04/15/08 22:02 | wbradley | Q31760 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 72 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit
J- Estimated value between the Reporting Limit and the MDL
The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.
All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



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Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-14-12
 Prism Sample ID: 211188
 COC Group: G0408348
 Time Collected: 04/09/08 11:55
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 78.6 | % | | | 1 | SM2540 G | 04/15/08 11:15 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 4.72 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 5.75 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Weight Methanol | 5.16 | g | | | 1 | 5035 | 04/14/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0067 | 0.0008 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0067 | 0.00049 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0067 | 0.00071 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0067 | 0.00077 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0067 | 0.0012 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0067 | 0.0008 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0067 | 0.00077 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0067 | 0.0009 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0067 | 0.00088 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0067 | 0.00034 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0067 | 0.00084 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0067 | 0.00043 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0067 | 0.00075 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0067 | 0.0016 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0067 | 0.00057 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0067 | 0.00044 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0067 | 0.00028 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0067 | 0.00086 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0067 | 0.00097 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0067 | 0.00038 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |

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Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
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 1600 Perimeter Park Dr. Suite 400
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Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-14-12
 Prism Sample ID: 211188
 COC Group: G0408348
 Time Collected: 04/09/08 11:55
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.067 | 0.0058 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0067 | 0.0005 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.067 | 0.0070 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Acetone | 0.082 | mg/kg | 0.067 | 0.020 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Benzene | BRL | mg/kg | 0.0040 | 0.00057 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Bromobenzene | BRL | mg/kg | 0.0067 | 0.00086 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Bromochloromethane | BRL | mg/kg | 0.0067 | 0.00055 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Bromodichloromethane | BRL | mg/kg | 0.0067 | 0.00073 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Bromoform | BRL | mg/kg | 0.0067 | 0.00061 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Bromomethane | BRL | mg/kg | 0.013 | 0.0015 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Carbon tetrachloride | BRL | mg/kg | 0.0067 | 0.00044 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Chlorobenzene | BRL | mg/kg | 0.0067 | 0.00069 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Chlorodibromomethane | BRL | mg/kg | 0.0067 | 0.00062 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Chloroethane | BRL | mg/kg | 0.013 | 0.0023 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Chloroform | BRL | mg/kg | 0.0067 | 0.0011 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Chloromethane | BRL | mg/kg | 0.0067 | 0.0016 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0067 | 0.0011 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0067 | 0.00089 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0067 | 0.0019 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Ethylbenzene | BRL | mg/kg | 0.0067 | 0.00031 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0067 | 0.00062 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Isopropylbenzene | BRL | mg/kg | 0.0067 | 0.00039 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| m,p-Xylenes | BRL | mg/kg | 0.013 | 0.0011 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.13 | 0.020 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.013 | 0.00057 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Methylene chloride | BRL | mg/kg | 0.0067 | 0.0011 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| n-Butylbenzene | BRL | mg/kg | 0.0067 | 0.00049 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |

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 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-14-12
 Prism Sample ID: 211188
 COC Group: G0408348
 Time Collected: 04/09/08 11:55
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0067 | 0.00044 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Naphthalene | BRL | mg/kg | 0.013 | 0.00081 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| o-Xylene | BRL | mg/kg | 0.0067 | 0.00028 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0067 | 0.00054 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| sec-Butylbenzene | BRL | mg/kg | 0.0067 | 0.00046 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Styrene | BRL | mg/kg | 0.0067 | 0.00075 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| tert-Butylbenzene | BRL | mg/kg | 0.0067 | 0.00057 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Tetrachloroethene | 5.4 | mg/kg | 0.34 | 0.030 | 50 | 8260B | 04/16/08 13:49 | erussell | Q31741 |
| Toluene | BRL | mg/kg | 0.0067 | 0.0005 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0067 | 0.00086 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0067 | 0.0008 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Trichloroethene | 0.0092 | mg/kg | 0.0067 | 0.00098 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0067 | 0.0012 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Vinyl acetate | BRL | mg/kg | 0.034 | 0.0019 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |
| Vinyl chloride | BRL | mg/kg | 0.0067 | 0.0012 | 1 | 8260B | 04/16/08 4:45 | erussell | Q31741 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 108 | 81 - 128 |
| Dibromofluoromethane | 106 | 67 - 143 |
| Bromofluorobenzene | 107 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.8 | 1.4 | 1 | 8015B | 04/21/08 21:03 | jvogel | Q31897 |
| Sample Preparation: | | | 25.37 g | / | 1 mL | 3545 | 04/18/08 15:30 | wconder | P21373 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 61 | 49 - 124 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-14-12
 Prism Sample ID: 211188
 COC Group: G0408348
 Time Collected: 04/09/08 11:55
 Time Submitted: 04/11/08 8:30

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight 1 | 5.54 | g | | | 1 | GRO | 04/21/08 0:00 | Athao | |
| Weight 2 | 5.37 | g | | | 1 | GRO | 04/21/08 0:00 | Athao | |
| <u>Gasoline Range Organics (GRO) by GC-FID</u> | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.4 | 4.0 | 50 | 8015B | 04/15/08 22:33 | wbradley | Q31760 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 78 | 55 - 129 |

Sample Comment(s):

*BRL = Below Reporting Limit
 J- Estimated value between the Reporting Limit and the MDL
 The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.
 All results are reported on a dry-weight basis*

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 Project No.: 28
 WBS# 35015.1.1

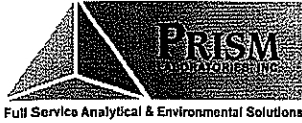
COC Group Number: G0408348
 Date/Time Submitted: 4/11/200 8:30

Volatile Organic Compounds by GC/MS, method 8260B

| Method Blank | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| 1,1,1-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,1,2,2-Tetrachloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,1,2-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,1-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,1-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,1-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2,3-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2,3-Trichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2,4-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2,4-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2-Dibromoethane (EDB) | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,3,5-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,3-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,3-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 1,4-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 2,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 2-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 2-Hexanone | ND | 0.05 | <0.025 | mg/kg | Q31741 |
| 4-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.05 | <0.025 | mg/kg | Q31741 |
| Acetone | ND | 0.05 | <0.025 | mg/kg | Q31741 |
| Benzene | ND | 0.003 | <0.0015 | mg/kg | Q31741 |
| Bromobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Bromochloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Bromodichloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Bromoform | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Bromomethane | ND | 0.01 | <0.005 | mg/kg | Q31741 |
| Carbon tetrachloride | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Chlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Chlorodibromomethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Chloroethane | ND | 0.01 | <0.005 | mg/kg | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0408348
 Date/Time Submitted: 4/11/200 8:30

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| Chloroform | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Chloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| cis-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| cis-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Dichlorodifluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Ethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Isopropyl ether (IPE) | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Isopropylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| m,p-Xylenes | ND | 0.01 | <0.005 | mg/kg | Q31741 |
| Methyl ethyl ketone (MEK) | ND | 0.1 | <0.05 | mg/kg | Q31741 |
| Methyl t-butyl ether (MTBE) | ND | 0.01 | <0.005 | mg/kg | Q31741 |
| Methylene chloride | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| n-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| n-Propylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Naphthalene | ND | 0.01 | <0.005 | mg/kg | Q31741 |
| o-Xylene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| p-Isopropyltoluene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| sec-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Styrene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| tert-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Tetrachloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Toluene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| trans-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| trans-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Trichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Trichlorofluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31741 |
| Vinyl acetate | ND | 0.025 | <0.0125 | mg/kg | Q31741 |
| Vinyl chloride | ND | 0.005 | <0.0025 | mg/kg | Q31741 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------|---------|--------------|-------|------------|-------------------|-------------|
| 1,1-Dichloroethene | 0.04182 | 0.05 | mg/kg | 84 | 57-122 | Q31741 |
| Benzene | 0.04274 | 0.05 | mg/kg | 85 | 62-119 | Q31741 |
| Chlorobenzene | 0.04245 | 0.05 | mg/kg | 85 | 61-124 | Q31741 |
| Toluene | 0.04525 | 0.05 | mg/kg | 91 | 57-122 | Q31741 |
| Trichloroethene | 0.04463 | 0.05 | mg/kg | 89 | 59-129 | Q31741 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 Project No.: 28
 WBS# 35015.1.1

COC Group Number: G0408348
 Date/Time Submitted: 4/11/200 8:30

| Matrix Spike | | | | | | |
|---------------------------|---------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 210956 1,1-Dichloroethene | 0.03473 | 0.05 | mg/kg | 69 | 44-140 | Q31741 |
| Benzene | 0.03513 | 0.05 | mg/kg | 70 | 46-136 | Q31741 |
| Chlorobenzene | 0.03172 | 0.05 | mg/kg | 63 | 47-135 | Q31741 |
| Toluene | 0.03487 | 0.05 | mg/kg | 70 | 47-136 | Q31741 |
| Trichloroethene | 0.04799 | 0.05 | mg/kg | 43 # | 45-141 | Q31741 |

| Matrix Spike Duplicate | | | | | | | | |
|---------------------------|---------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 210956 1,1-Dichloroethene | 0.03604 | 0.05 | mg/kg | 72 | 44-140 | 4 | 0 - 23 | Q31741 |
| Benzene | 0.0341 | 0.05 | mg/kg | 68 | 46-136 | 3 | 0 - 22 | Q31741 |
| Chlorobenzene | 0.02652 | 0.05 | mg/kg | 53 | 47-135 | 18 | 0 - 22 | Q31741 |
| Toluene | 0.03171 | 0.05 | mg/kg | 63 | 47-136 | 9 | 0 - 22 | Q31741 |
| Trichloroethene | 0.05758 | 0.05 | mg/kg | 62 | 45-141 | 18 | 0 - 23 | Q31741 |

Gasoline Range Organics (GRO) by GC-FID, method 8015B

| Method Blank | | | | | |
|-------------------------------|--------|----|---------------|-------|-------------|
| | Result | RL | Control Limit | Units | QC Batch ID |
| Gasoline Range Organics (GRO) | ND | 5 | <2.5 | mg/kg | Q31760 |

| Laboratory Control Sample | | | | | | |
|-------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| Gasoline Range Organics (GRO) | 49.4 | 50 | mg/kg | 99 | 67-116 | Q31760 |

| Matrix Spike | | | | | | |
|--------------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 211179 Gasoline Range Organics (GRO) | 55.9 | 50 | mg/kg | 112 | 57-113 | Q31760 |

| Matrix Spike Duplicate | | | | | | | | |
|--------------------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 211179 Gasoline Range Organics (GRO) | 54.8 | 50 | mg/kg | 110 | 57-113 | 2 | 0 - 23 | Q31760 |



NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Level II QC Report

04/22/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 Project No.: 28
 WBS# 35015.1.1

COC Group Number: G0408348
 Date/Time Submitted: 4/11/200 8:30

Diesel Range Organics (DRO) by GC-FID, method 8015B

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|----|---------------|-------|-------------|
| Diesel Range Organics (DRO) | ND | 7 | <3.5 | mg/kg | Q31897 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|-----------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Diesel Range Organics (DRO) | 56.4 | 80 | mg/kg | 71 | 55-109 | Q31897 |

Matrix Spike

| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|------------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| 211179 Diesel Range Organics (DRO) | 57.5 | 80 | mg/kg | 72 | 50-117 | Q31897 |

Matrix Spike Duplicate

| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
|------------------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| 211179 Diesel Range Organics (DRO) | 54.4 | 80 | mg/kg | 68 | 50-117 | 6 | 0 - 24 | Q31897 |

#-See Case Narrative



Full Service Analytical & Environmental Solutions
 449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543
 Phone: 704/529-6384 • Fax: 704/525-0409

Client Company Name: URS Corporation
 Report To/Contact Name: Mrs. Thelma Meyers-Lee
 Reporting Address: 1600 Piedmont Park Dr. Suite 400
Morrisville NC 27560
 Phone: 719-461-1100 Fax (Yes) (No): 719-461-1415
 Email (Yes) (No): Thelma.Meyers-Lee@urscorp.com
 EDD Type: PDF Excel Other
 Site Location Name: Parcel 28
 Site Location Physical Address: 320 E. King St.

CHAIN OF CUSTODY RECORD

PAGE 1 OF QUOTE # TO ENSURE PROPER BILLING:
 Project Name: NC DOT - Boone
 Short Hold Analysis: (Yes) (No) (No) UST Project: (Yes) (No)
 *Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
 Invoice To: Direct Bill - NC DOT
 Address: State Project U-4020

Purchase Order No./Billing Reference: 285 Element 35015.1.1
 Requested Due Date: 1 Day 2 Days 3 Days 4 Days 5 Days
 "Working Days" 6-8 Days Standard 10 days Pre-Approved
 Samples received after 15:00 will be processed next business day.
 Turnaround time is based on business days, excluding weekends and holidays.
 (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY
 Samples INTACT upon arrival? YES NO N/A
 Received ON WET ICE? Temp 5.0
 PROPER PRESERVATIVES indicated?
 Received WITHIN HOLDING TIMES?
 CUSTODY SEALS INTACT?
 VOLATILES rec'd W/OUT HEADSPACE?
 PROPER CONTAINERS used?

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
 Certification: NELAC USACE FL NC
 SC OTHER N/A
 Water Chlorinated: YES NO
 Sample Iced Upon Collection: YES NO

| CLIENT DESCRIPTION | DATE COLLECTED | TIME COLLECTED MILITARY HOURS | MATRIX (SOIL, WATER OR SLUDGE) | SAMPLE CONTAINER | | | PRESERVATIVES | ANALYSES REQUESTED | REMARKS | PRISM LAB ID NO. |
|--------------------|----------------|-------------------------------|--------------------------------|------------------|-----|--------------------------|--------------------------|--------------------|---------|------------------|
| | | | | *TYPE SEE BELOW | NO. | SIZE | | | | |
| P28-5-8 | 4-9-08 | 0905 | Soil | G | 7 | 3-40ml 1-8oz 1-3oz | 2-40ml 1-8oz 1-3oz | 2 1 1 3 | 5 | 211179 |
| P28-6-8 | | 0930 | | G | 4 | 2-40ml 1-8oz 1-3oz | 2-40ml 1-8oz 1-3oz | 2 1 1 3 | | 211180 |
| P28-7-12 | | 0945 | | G | 7 | 5-40ml 1-8oz 1-3oz | 5-40ml 1-8oz 1-3oz | 2 1 1 3 | | 211181 |
| P28-8-8 | | 1000 | | G | 4 | 2-40ml 1-8oz 1-3oz | 2-40ml 1-8oz 1-3oz | 2 1 1 3 | | 211182 |
| P28-9-12 | | 1030 | | G | 4 | 5-40ml 1-8oz 1-3oz | 5-40ml 1-8oz 1-3oz | 2 1 1 3 | | 211183 |
| P28-10-12 | | 1050 | | G | 7 | 2-40ml 1-8oz 1-3oz | 2-40ml 1-8oz 1-3oz | 2 1 1 3 | | 211184 |
| P28-11-12 | | 1115 | | G | 4 | 5-40ml 1-8oz 1-3oz | 5-40ml 1-8oz 1-3oz | 2 1 1 3 | | 211185 |
| P28-12-12 | | 1125 | | G | 4 | 2-40ml 1-8oz 1-3oz | 2-40ml 1-8oz 1-3oz | 2 1 1 3 | | 211186 |
| P28-13-12 | | 1140 | | G | 7 | | | 2 1 1 3 | | 211187 |
| P28-4-12 | | 1155 | | G | 7 | | | 2 1 1 3 | | 211183 |

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature: Michael Meese Affiliation: URS
 Sampled By (Print Name): Michael Meese
 Received By (Signature): [Signature] Date: 4-11-08 Military/Hours: 1430
 Received By (Signature): [Signature] Date: 4-11-08 8:30
 Received For Prism Laboratories By: [Signature] Date: 4-11-08 8:30
 Received For Prism Laboratories By: [Signature] Date: 4-11-08 8:30
 Method of Shipment: Fed Ex UPS Hand-delivered Prism Field Service Other
 NPDES: NC SC NC SC NC SC NC SC NC SC NC SC
 UST: NC SC NC SC NC SC NC SC
 DRINKING WATER: NC SC NC SC NC SC
 SOLID WASTE: NC SC NC SC NC SC
 RCRA: NC SC NC SC NC SC
 CERCLA: NC SC NC SC NC SC
 LANDFILL: NC SC NC SC NC SC
 OTHER: NC SC NC SC
 COC Group No.: 60428348
 Additional Comments: State Project U-4020
 (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)
 SEE REVERSE FOR TERMS & CONDITIONS
 ORIGINAL



Case Narrative

Date: 04/28/08
Company: N. C. Department of Transportation
Contact: Martha Meyers-Lee
Address: c/o URS
1600 Perimeter Park Dr. Suite 400
Morrisville, NC 27560

Client Project ID: NCDOT: Boone - Parcel 28
Prism COC Group No: G0408357
Collection Date(s): 04/11/08
Lab Submittal Date(s): 04/11/08

Client Project Name Or No: State Project: U-4020/ 320 E. King

This data package contains the analytical results for the project identified above and includes a Case Narrative, Laboratory Report and Quality Control Data totaling 19 pages. A chain-of-custody is also attached for the samples submitted to Prism for this project.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative. Quality control statements and/or sample specific remarks are included in the sample comments section of the laboratory report for each sample affected.

Semi Volatile Analysis

No Anomalies Reported

Volatile Analysis

No Anomalies Reported

Metals Analysis

N/A

Wet Lab and Micro Analysis

N/A

Please call if you have any questions relating to this analytical report.

| | |
|--|--|
| Date Reviewed by: <u>Robbi A. Jones</u> | Project Manager: <u>Robbi A. Jones</u> |
| Signature: <u><i>Robbi A. Jones</i></u> | Signature: <u><i>Robbi A. Jones</i></u> |
| Review Date: <u>04/28/08</u> | Approval Date: <u>04/28/08</u> |

Data Qualifiers Key Reference:

- B: Compound also detected in the method blank.
- #: Result outside of the QC limits.
- DO: Compound diluted out.
- E: Estimated concentration, calibration range exceeded.
- J: The analyte was positively identified but the value is estimated below the reporting limit.
- H: Estimated concentration with a high bias.
- L: Estimated concentration with a low bias.
- M: A matrix effect is present.

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-15-16
 Project ID: NCDOT: Boone - Parcel Prism Sample ID: 211341
 28 COC Group: G0408357
 Project No.: WBS# 35015.1.1 Time Collected: 04/11/08 10:35
 Sample Matrix: Soil Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|---------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 85.2 | % | | | 1 | SM2540 G | 04/17/08 14:00 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 5.33 | g | | | 1 | 5035 | 04/16/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 5.02 | g | | | 1 | 5035 | 04/16/08 0:00 | lbrown | |
| Weight Methanol | 4.53 | g | | | 1 | 5035 | 04/16/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0055 | 0.00065 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0055 | 0.0004 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0055 | 0.00058 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0055 | 0.00063 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0055 | 0.00095 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0055 | 0.00065 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0055 | 0.00063 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0055 | 0.00074 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0055 | 0.00072 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0055 | 0.00028 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0055 | 0.00068 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0055 | 0.00035 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0055 | 0.00062 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0055 | 0.0013 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0055 | 0.00046 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0055 | 0.00036 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0055 | 0.00023 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0055 | 0.0007 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0055 | 0.00079 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0055 | 0.00031 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-15-16
 Project ID: NCDOT: Boone - Parcel Prism Sample ID: 211341
 28 COC Group: G0408357
 Project No.: WBS# 35015.1.1 Time Collected: 04/11/08 10:35
 Sample Matrix: Soil Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 2-Hexanone | BRL | mg/kg | 0.055 | 0.0047 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0055 | 0.00041 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.055 | 0.0057 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Acetone | BRL | mg/kg | 0.055 | 0.016 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Benzene | BRL | mg/kg | 0.0033 | 0.00046 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Bromobenzene | BRL | mg/kg | 0.0055 | 0.0007 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Bromochloromethane | BRL | mg/kg | 0.0055 | 0.00045 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Bromodichloromethane | BRL | mg/kg | 0.0055 | 0.00059 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Bromoform | BRL | mg/kg | 0.0055 | 0.0005 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Bromomethane | BRL | mg/kg | 0.011 | 0.0012 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Carbon tetrachloride | BRL | mg/kg | 0.0055 | 0.00036 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Chlorobenzene | BRL | mg/kg | 0.0055 | 0.00056 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Chlorodibromomethane | BRL | mg/kg | 0.0055 | 0.00051 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Chloroethane | BRL | mg/kg | 0.011 | 0.0018 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Chloroform | BRL | mg/kg | 0.0055 | 0.00091 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Chloromethane | BRL | mg/kg | 0.0055 | 0.0013 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0055 | 0.00088 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0055 | 0.00073 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0055 | 0.0015 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Ethylbenzene | BRL | mg/kg | 0.0055 | 0.00025 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0055 | 0.00051 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Isopropylbenzene | BRL | mg/kg | 0.0055 | 0.00032 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| m,p-Xylenes | BRL | mg/kg | 0.011 | 0.0009 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.11 | 0.016 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.011 | 0.00046 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| Methylene chloride | BRL | mg/kg | 0.0055 | 0.0009 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |
| n-Butylbenzene | BRL | mg/kg | 0.0055 | 0.0004 | 1 | 8260B | 04/17/08 2:45 | Iwity | Q31778 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-15-16
 Prism Sample ID: 211341
 Project ID: NCDOT: Boone - Parcel
 28 COC Group: G0408357
 Project No.: WBS# 35015.1.1 Time Collected: 04/11/08 10:35
 Sample Matrix: Soil Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|----------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0055 | 0.00036 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| Naphthalene | BRL | mg/kg | 0.011 | 0.00066 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| o-Xylene | BRL | mg/kg | 0.0055 | 0.00023 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0055 | 0.00044 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| sec-Butylbenzene | BRL | mg/kg | 0.0055 | 0.00037 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| Styrene | BRL | mg/kg | 0.0055 | 0.00062 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| tert-Butylbenzene | BRL | mg/kg | 0.0055 | 0.00046 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| Tetrachloroethene | 0.0028 J | mg/kg | 0.0055 | 0.0005 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| Toluene | 0.0035 J | mg/kg | 0.0055 | 0.00041 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0055 | 0.0007 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0055 | 0.00065 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| Trichloroethene | BRL | mg/kg | 0.0055 | 0.0008 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0055 | 0.00098 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| Vinyl acetate | BRL | mg/kg | 0.028 | 0.0016 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |
| Vinyl chloride | BRL | mg/kg | 0.0055 | 0.00096 | 1 | 8260B | 04/17/08 2:45 | lwitry | Q31778 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 101 | 81 - 128 |
| Dibromofluoromethane | 98 | 67 - 143 |
| Bromofluorobenzene | 102 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.2 | 1.3 | 1 | 8015B | 04/25/08 16:34 | jvogel | Q32010 |
| Sample Preparation: | | | 25.13 g | / | 1 mL | 3545 | 04/24/08 16:50 | wconder | P21436 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 68 | 49 - 124 |

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Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-15-16
 Prism Sample ID: 211341
 COC Group: G0408357
 Time Collected: 04/11/08 10:35
 Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.94 | g | | | 1 | GRO | 04/21/08 0:00 | Athao | |
| Weight 2 | 5.14 | g | | | 1 | GRO | 04/21/08 0:00 | Athao | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.9 | 3.7 | 50 | 8015B | 04/21/08 16:15 | wbradley | Q31861 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 75 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
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Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-16-16
 Prism Sample ID: 211342
 Project ID: NCDOT: Boone - Parcel
 28 COC Group: G0408357
 Project No.: WBS# 35015.1.1 Time Collected: 04/11/08 11:10
 Sample Matrix: Soil Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|---------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 87.7 | % | | | 1 | SM2540 G | 04/17/08 14:00 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 4.56 | g | | | 1 | 5035 | 04/16/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.58 | g | | | 1 | 5035 | 04/16/08 0:00 | lbrown | |
| Weight Methanol | 4.25 | g | | | 1 | 5035 | 04/16/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0063 | 0.00074 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0063 | 0.00045 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0063 | 0.00066 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0063 | 0.00071 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00074 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0063 | 0.00071 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0063 | 0.00084 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0063 | 0.00081 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0063 | 0.00031 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0063 | 0.00078 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.0004 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0063 | 0.0007 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0063 | 0.0015 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0063 | 0.00053 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.00041 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0063 | 0.00026 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.0008 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0063 | 0.0009 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0063 | 0.00035 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |

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Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
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 1600 Perimeter Park Dr. Suite 400
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Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-16-16
 Prism Sample ID: 211342
 Project ID: NCDOT: Boone - Parcel
 28 COC Group: G0408357
 Project No.: WBS# 35015.1.1 Time Collected: 04/11/08 11:10
 Sample Matrix: Soil Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| 2-Hexanone | BRL | mg/kg | 0.063 | 0.0054 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0063 | 0.00046 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.063 | 0.0065 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Acetone | BRL | mg/kg | 0.063 | 0.019 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Benzene | BRL | mg/kg | 0.0038 | 0.00053 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Bromobenzene | BRL | mg/kg | 0.0063 | 0.0008 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Bromochloromethane | BRL | mg/kg | 0.0063 | 0.00051 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Bromodichloromethane | BRL | mg/kg | 0.0063 | 0.00068 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Bromoform | BRL | mg/kg | 0.0063 | 0.00056 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Bromomethane | BRL | mg/kg | 0.013 | 0.0014 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Carbon tetrachloride | BRL | mg/kg | 0.0063 | 0.00041 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Chlorobenzene | BRL | mg/kg | 0.0063 | 0.00064 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Chlorodibromomethane | BRL | mg/kg | 0.0063 | 0.00058 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Chloroethane | BRL | mg/kg | 0.013 | 0.0021 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Chloroform | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Chloromethane | BRL | mg/kg | 0.0063 | 0.0015 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00083 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0063 | 0.0017 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Ethylbenzene | BRL | mg/kg | 0.0063 | 0.00029 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0063 | 0.00058 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Isopropylbenzene | BRL | mg/kg | 0.0063 | 0.00036 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| m,p-Xylenes | BRL | mg/kg | 0.013 | 0.0010 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.13 | 0.018 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.013 | 0.00053 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| Methylene chloride | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |
| n-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00045 | 1 | 8260B | 04/17/08 3:29 | Iwity | Q31778 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-16-16
 Prism Sample ID: 211342
 COC Group: G0408357
 Time Collected: 04/11/08 11:10
 Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|---------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0063 | 0.00041 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| Naphthalene | BRL | mg/kg | 0.013 | 0.00075 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| o-Xylene | BRL | mg/kg | 0.0063 | 0.00026 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0063 | 0.0005 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| sec-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00043 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| Styrene | BRL | mg/kg | 0.0063 | 0.0007 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| tert-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00053 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| Tetrachloroethene | BRL | mg/kg | 0.0063 | 0.00056 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| Toluene | BRL | mg/kg | 0.0063 | 0.00046 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0063 | 0.0008 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00074 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| Trichloroethene | BRL | mg/kg | 0.0063 | 0.00091 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| Vinyl acetate | BRL | mg/kg | 0.031 | 0.0018 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |
| Vinyl chloride | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 04/17/08 3:29 | lwitry | Q31778 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 102 | 81 - 128 |
| Dibromofluoromethane | 98 | 67 - 143 |
| Bromofluorobenzene | 102 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 7.9 | 1.3 | 1 | 8015B | 04/23/08 1:31 | jvogel | Q32010 |
| Sample Preparation: | | | 25.17 g | / | 1 mL | 3545 | 04/24/08 16:50 | wconder | P21436 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 74 | 49 - 124 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-16-16
 Project ID: NCDOT: Boone - Parcel Prism Sample ID: 211342
 28 COC Group: G0408357
 Project No.: WBS# 35015.1.1 Time Collected: 04/11/08 11:10
 Sample Matrix: Soil Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.24 | g | | | 1 | GRO | 04/21/08 0:00 | Athao | |
| Weight 2 | 4.07 | g | | | 1 | GRO | 04/21/08 0:00 | Athao | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.7 | 3.6 | 50 | 8015B | 04/21/08 11:17 | wbradley | Q31861 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 81 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: TB-2
 Prism Sample ID: 211343
 Project ID: NCDOT: Boone - Parcel
 28 COC Group: G0408357
 Project No.: WBS# 35015.1.1 Time Collected: 04/11/08 11:30
 Sample Matrix: Water Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-------|-----------------|--------|--------------------|---------|----------|
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,1,1-Trichloroethane | BRL | µg/L | 1.0 | 0.20 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,1,2,2-Tetrachloroethane | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,1,2-Trichloroethane | BRL | µg/L | 1.0 | 0.15 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,1-Dichloroethane | BRL | µg/L | 1.0 | 0.088 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,1-Dichloroethene | BRL | µg/L | 1.0 | 0.095 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,1-Dichloropropene | BRL | µg/L | 1.0 | 0.20 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,2,3-Trichlorobenzene | BRL | µg/L | 2.0 | 0.24 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,2,3-Trichloropropane | BRL | µg/L | 1.0 | 0.17 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,2,4-Trichlorobenzene | BRL | µg/L | 1.0 | 0.22 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,2,4-Trimethylbenzene | BRL | µg/L | 1.0 | 0.16 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,2-Dibromo-3-chloropropane | BRL | µg/L | 2.0 | 1.3 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,2-Dibromoethane (EDB) | BRL | µg/L | 1.0 | 0.14 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,2-Dichlorobenzene | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,2-Dichloroethane | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,2-Dichloropropane | BRL | µg/L | 1.0 | 0.17 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,3,5-Trimethylbenzene | BRL | µg/L | 1.0 | 0.19 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,3-Dichlorobenzene | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,3-Dichloropropane | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 1,4-Dichlorobenzene | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 2,2-Dichloropropane | BRL | µg/L | 2.0 | 0.21 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 2-Chloroethyl vinyl ether | BRL | µg/L | 2.0 | 0.41 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 2-Chlorotoluene | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 2-Hexanone | BRL | µg/L | 5.0 | 0.23 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 4-Chlorotoluene | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| 4-Methyl-2-pentanone (MIBK) | BRL | µg/L | 5.0 | 0.46 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Acetone | BRL | µg/L | 10 | 0.44 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |

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NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: TB-2
 Project ID: NCDOT: Boone - Parcel Prism Sample ID: 211343
 28 COC Group: G0408357
 Project No.: WBS# 35015.1.1 Time Collected: 04/11/08 11:30
 Sample Matrix: Water Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|---------|----------|
| Acrolein | BRL | µg/L | 100 | 0.54 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Acrylonitrile | BRL | µg/L | 100 | 0.43 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Benzene | BRL | µg/L | 1.0 | 0.094 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Bromobenzene | BRL | µg/L | 1.0 | 0.088 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Bromochloromethane | BRL | µg/L | 1.0 | 0.085 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Bromodichloromethane | BRL | µg/L | 1.0 | 0.15 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Bromoform | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Bromomethane | BRL | µg/L | 3.0 | 0.23 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Carbon disulfide | BRL | µg/L | 5.0 | 0.15 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Carbon tetrachloride | BRL | µg/L | 2.0 | 0.15 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Chlorobenzene | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Chlorodibromomethane | BRL | µg/L | 1.0 | 0.20 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Chloroethane | BRL | µg/L | 5.0 | 0.18 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Chloroform | BRL | µg/L | 1.0 | 0.080 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Chloromethane | BRL | µg/L | 2.0 | 0.21 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| cis-1,2-Dichloroethene | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| cis-1,3-Dichloropropene | BRL | µg/L | 1.0 | 0.097 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Dibromomethane | BRL | µg/L | 1.0 | 0.14 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Dichlorodifluoromethane | BRL | µg/L | 2.0 | 0.19 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Ethylbenzene | BRL | µg/L | 1.0 | 0.16 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Hexachlorobutadiene | BRL | µg/L | 2.0 | 0.17 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Isopropyl ether (IPE) | BRL | µg/L | 1.0 | 0.079 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Isopropylbenzene | BRL | µg/L | 1.0 | 0.20 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| m,p-Xylenes | BRL | µg/L | 2.0 | 0.33 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Methyl ethyl ketone (MEK) | BRL | µg/L | 5.0 | 0.36 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Methyl t-butyl ether (MTBE) | BRL | µg/L | 1.0 | 0.093 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Methylene chloride | BRL | µg/L | 2.0 | 0.16 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: TB-2
 Prism Sample ID: 211343
 Project ID: NCDOT: Boone - Parcel
 28 COC Group: G0408357
 Project No.: WBS# 35015.1.1 Time Collected: 04/11/08 11:30
 Sample Matrix: Water Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|------|-----------------|--------|--------------------|---------|----------|
| n-Butylbenzene | BRL | µg/L | 1.0 | 0.21 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| n-Propylbenzene | BRL | µg/L | 1.0 | 0.18 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Naphthalene | BRL | µg/L | 1.0 | 0.19 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| o-Xylene | BRL | µg/L | 1.0 | 0.17 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| p-Isopropyltoluene | BRL | µg/L | 1.0 | 0.21 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| sec-Butylbenzene | BRL | µg/L | 1.0 | 0.16 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Styrene | BRL | µg/L | 1.0 | 0.11 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| tert-Butylbenzene | BRL | µg/L | 1.0 | 0.17 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Tetrachloroethene | BRL | µg/L | 1.0 | 0.17 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Toluene | BRL | µg/L | 1.0 | 0.31 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| trans-1,2-Dichloroethene | BRL | µg/L | 2.0 | 0.12 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| trans-1,3-Dichloropropene | BRL | µg/L | 1.0 | 0.22 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Trichloroethene | BRL | µg/L | 2.0 | 0.19 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Trichlorofluoromethane | BRL | µg/L | 2.0 | 0.21 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Vinyl acetate | BRL | µg/L | 20 | 0.44 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |
| Vinyl chloride | BRL | µg/L | 2.0 | 0.23 | 1 | 8260B | 04/21/08 15:31 | lwitry | Q31876 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 88 | 75 - 121 |
| Dibromofluoromethane | 107 | 74 - 133 |
| Bromofluorobenzene | 81 | 69 - 139 |

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NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Laboratory Report

04/28/08

N. C. Department of Transportation
Attn: Martha Meyers-Lee
c/o URS
1600 Perimeter Park Dr. Suite 400
Morrisville, NC 27560

Project Name: State Project: U-4020/
320 E. King St. Client Sample ID: TB-2
Prism Sample ID: 211343
Project ID: NCDOT: Boone - Parcel
28 COC Group: G0408357
Project No.: WBS# 35015.1.1 Time Collected: 04/11/08 11:30
Sample Matrix: Water Time Submitted: 04/11/08 16:15

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|
|-----------|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a wet-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0408357
 Date/Time Submitted: 4/11/200 16:15

Volatile Organic Compounds by GC/MS, method 8260B

| Method Blank | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| 1,1,1-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,1,2,2-Tetrachloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,1,2-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,1-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,1-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,1-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,2,3-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,2,3-Trichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,2,4-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,2,4-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,2-Dibromoethane (EDB) | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,2-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,2-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,3,5-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,3-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,3-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 1,4-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 2,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 2-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 2-Hexanone | ND | 0.05 | <0.025 | mg/kg | Q31778 |
| 4-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.05 | <0.025 | mg/kg | Q31778 |
| Acetone | ND | 0.05 | <0.025 | mg/kg | Q31778 |
| Benzene | ND | 0.003 | <0.0015 | mg/kg | Q31778 |
| Bromobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Bromochloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Bromodichloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Bromoform | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Bromomethane | ND | 0.01 | <0.005 | mg/kg | Q31778 |
| Carbon tetrachloride | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Chlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Chlorodibromomethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Chloroethane | ND | 0.01 | <0.005 | mg/kg | Q31778 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0408357
 Date/Time Submitted: 4/11/200 16:15

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| Chloroform | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Chloromethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| cis-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| cis-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Dichlorodifluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Ethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Isopropyl ether (IPE) | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Isopropylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| m,p-Xylenes | ND | 0.01 | <0.005 | mg/kg | Q31778 |
| Methyl ethyl ketone (MEK) | ND | 0.1 | <0.05 | mg/kg | Q31778 |
| Methyl t-butyl ether (MTBE) | ND | 0.01 | <0.005 | mg/kg | Q31778 |
| Methylene chloride | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| n-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| n-Propylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Naphthalene | ND | 0.01 | <0.005 | mg/kg | Q31778 |
| o-Xylene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| p-Isopropyltoluene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| sec-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Styrene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| tert-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Tetrachloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Toluene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| trans-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| trans-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Trichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Trichlorofluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q31778 |
| Vinyl acetate | ND | 0.025 | <0.0125 | mg/kg | Q31778 |
| Vinyl chloride | ND | 0.005 | <0.0025 | mg/kg | Q31778 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------|---------|--------------|-------|------------|-------------------|-------------|
| 1,1-Dichloroethene | 0.04713 | 0.05 | mg/kg | 94 | 57-122 | Q31778 |
| Benzene | 0.04824 | 0.05 | mg/kg | 96 | 62-119 | Q31778 |
| Chlorobenzene | 0.04389 | 0.05 | mg/kg | 88 | 61-124 | Q31778 |
| Toluene | 0.04583 | 0.05 | mg/kg | 92 | 57-122 | Q31778 |
| Trichloroethene | 0.04792 | 0.05 | mg/kg | 96 | 59-129 | Q31778 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0408357
 Date/Time Submitted: 4/11/200 16:15

| Matrix Spike | | | | | | |
|---------------------------|---------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 211341 1,1-Dichloroethene | 0.05184 | 0.05 | mg/kg | 104 | 44-140 | Q31778 |
| Benzene | 0.04913 | 0.05 | mg/kg | 98 | 46-136 | Q31778 |
| Chlorobenzene | 0.04502 | 0.05 | mg/kg | 90 | 47-135 | Q31778 |
| Toluene | 0.04632 | 0.05 | mg/kg | 93 | 47-136 | Q31778 |
| Trichloroethene | 0.04572 | 0.05 | mg/kg | 91 | 45-141 | Q31778 |

| Matrix Spike Duplicate | | | | | | | | |
|---------------------------|---------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 211341 1,1-Dichloroethene | 0.04335 | 0.05 | mg/kg | 87 | 44-140 | 18 | 0 - 23 | Q31778 |
| Benzene | 0.04512 | 0.05 | mg/kg | 90 | 46-136 | 9 | 0 - 22 | Q31778 |
| Chlorobenzene | 0.03932 | 0.05 | mg/kg | 79 | 47-135 | 14 | 0 - 22 | Q31778 |
| Toluene | 0.04096 | 0.05 | mg/kg | 82 | 47-136 | 12 | 0 - 22 | Q31778 |
| Trichloroethene | 0.04016 | 0.05 | mg/kg | 80 | 45-141 | 13 | 0 - 23 | Q31778 |

Gasoline Range Organics (GRO) by GC-FID, method 8015B

| Method Blank | | | | | |
|-------------------------------|--------|----|---------------|-------|-------------|
| | Result | RL | Control Limit | Units | QC Batch ID |
| Gasoline Range Organics (GRO) | ND | 5 | <2.5 | mg/kg | Q31861 |

| Laboratory Control Sample | | | | | | |
|-------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| Gasoline Range Organics (GRO) | 47.8 | 50 | mg/kg | 96 | 67-116 | Q31861 |

| Matrix Spike | | | | | | |
|--------------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 211341 Gasoline Range Organics (GRO) | 51.7 | 50 | mg/kg | 103 | 57-113 | Q31861 |

| Matrix Spike Duplicate | | | | | | | | |
|--------------------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 211341 Gasoline Range Organics (GRO) | 52.3 | 50 | mg/kg | 105 | 57-113 | 1 | 0 - 23 | Q31861 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0408357
 Date/Time Submitted: 4/11/200 16:15

Volatile Organic Compounds by GC/MS, method 8260B

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-----|---------------|-------|-------------|
| 1,1,1,2-Tetrachloroethane | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,1,1-Trichloroethane | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,1,2,2-Tetrachloroethane | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,1,2-Trichloroethane | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,1-Dichloroethane | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,1-Dichloroethene | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,1-Dichloropropene | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,2,3-Trichlorobenzene | ND | 2 | <1 | µg/L | Q31876 |
| 1,2,3-Trichloropropane | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,2,4-Trichlorobenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,2,4-Trimethylbenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,2-Dibromo-3-chloropropane | ND | 2 | <1 | µg/L | Q31876 |
| 1,2-Dibromoethane (EDB) | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,2-Dichlorobenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,2-Dichloroethane | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,2-Dichloropropane | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,3,5-Trimethylbenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,3-Dichlorobenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,3-Dichloropropane | ND | 1 | <0.5 | µg/L | Q31876 |
| 1,4-Dichlorobenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| 2,2-Dichloropropane | ND | 2 | <1 | µg/L | Q31876 |
| 2-Chloroethyl vinyl ether | ND | 2 | <1 | µg/L | Q31876 |
| 2-Chlorotoluene | ND | 1 | <0.5 | µg/L | Q31876 |
| 2-Hexanone | ND | 5 | <2.5 | µg/L | Q31876 |
| 4-Chlorotoluene | ND | 1 | <0.5 | µg/L | Q31876 |
| 4-Methyl-2-pentanone (MIBK) | ND | 5 | <2.5 | µg/L | Q31876 |
| Acetone | ND | 10 | <5 | µg/L | Q31876 |
| Acrolein | ND | 100 | <50 | µg/L | Q31876 |
| Acrylonitrile | ND | 100 | <50 | µg/L | Q31876 |
| Benzene | ND | 1 | <0.5 | µg/L | Q31876 |
| Bromobenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| Bromochloromethane | ND | 1 | <0.5 | µg/L | Q31876 |
| Bromodichloromethane | ND | 1 | <0.5 | µg/L | Q31876 |
| Bromoform | ND | 1 | <0.5 | µg/L | Q31876 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0408357
 Date/Time Submitted: 4/11/200 16:15

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|----|---------------|-------|-------------|
| Bromomethane | ND | 3 | <1.5 | µg/L | Q31876 |
| Carbon disulfide | ND | 5 | <2.5 | µg/L | Q31876 |
| Carbon tetrachloride | ND | 2 | <1 | µg/L | Q31876 |
| Chlorobenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| Chlorodibromomethane | ND | 1 | <0.5 | µg/L | Q31876 |
| Chloroethane | ND | 5 | <2.5 | µg/L | Q31876 |
| Chloroform | ND | 1 | <0.5 | µg/L | Q31876 |
| Chloromethane | ND | 2 | <1 | µg/L | Q31876 |
| cis-1,2-Dichloroethene | ND | 1 | <0.5 | µg/L | Q31876 |
| cis-1,3-Dichloropropene | ND | 1 | <0.5 | µg/L | Q31876 |
| Dibromomethane | ND | 1 | <0.5 | µg/L | Q31876 |
| Dichlorodifluoromethane | ND | 2 | <1 | µg/L | Q31876 |
| Ethylbenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| Hexachlorobutadiene | ND | 2 | <1 | µg/L | Q31876 |
| Isopropyl ether (IPE) | ND | 1 | <0.5 | µg/L | Q31876 |
| Isopropylbenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| m,p-Xylenes | ND | 2 | <1 | µg/L | Q31876 |
| Methyl ethyl ketone (MEK) | ND | 5 | <2.5 | µg/L | Q31876 |
| Methyl t-butyl ether (MTBE) | ND | 1 | <0.5 | µg/L | Q31876 |
| Methylene chloride | ND | 2 | <1 | µg/L | Q31876 |
| n-Butylbenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| n-Propylbenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| Naphthalene | ND | 1 | <0.5 | µg/L | Q31876 |
| o-Xylene | ND | 1 | <0.5 | µg/L | Q31876 |
| p-Isopropyltoluene | ND | 1 | <0.5 | µg/L | Q31876 |
| sec-Butylbenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| Styrene | ND | 1 | <0.5 | µg/L | Q31876 |
| tert-Butylbenzene | ND | 1 | <0.5 | µg/L | Q31876 |
| Tetrachloroethene | ND | 1 | <0.5 | µg/L | Q31876 |
| Toluene | ND | 1 | <0.5 | µg/L | Q31876 |
| trans-1,2-Dichloroethene | ND | 2 | <1 | µg/L | Q31876 |
| trans-1,3-Dichloropropene | ND | 1 | <0.5 | µg/L | Q31876 |
| Trichloroethene | ND | 2 | <1 | µg/L | Q31876 |
| Trichlorofluoromethane | ND | 2 | <1 | µg/L | Q31876 |
| Vinyl acetate | ND | 20 | <10 | µg/L | Q31876 |
| Vinyl chloride | ND | 2 | <1 | µg/L | Q31876 |

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NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Level II QC Report

04/28/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 Project No.: 28
 WBS# 35015.1.1

COC Group Number: G0408357
 Date/Time Submitted: 4/11/200 16:15

| Laboratory Control Sample | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|---------------------------|--------|--------------|-------|------------|-------------------|-------------|
| 1,1-Dichloroethene | 53.48 | 50 | µg/L | 107 | 62-141 | Q31876 |
| Benzene | 52.49 | 50 | µg/L | 105 | 70-141 | Q31876 |
| Chlorobenzene | 50.24 | 50 | µg/L | 100 | 88-120 | Q31876 |
| Toluene | 50.39 | 50 | µg/L | 101 | 78-130 | Q31876 |
| Trichloroethene | 45.86 | 50 | µg/L | 92 | 78-124 | Q31876 |

| Matrix Spike | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Sample ID: 211531 1,1-Dichloroethene | 223 | 200 | µg/L | 112 | 54-140 | Q31876 |
| Benzene | 210 | 200 | µg/L | 105 | 62-129 | Q31876 |
| Chlorobenzene | 196 | 200 | µg/L | 98 | 64-127 | Q31876 |
| Toluene | 214 | 200 | µg/L | 107 | 60-131 | Q31876 |
| Trichloroethene | 194 | 200 | µg/L | 90 | 52-128 | Q31876 |

| Matrix Spike Duplicate | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
|--------------------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: 211531 1,1-Dichloroethene | 229 | 200 | µg/L | 115 | 54-140 | 3 | 0 - 20 | Q31876 |
| Benzene | 223 | 200 | µg/L | 112 | 62-129 | 6 | 0 - 19 | Q31876 |
| Chlorobenzene | 209 | 200 | µg/L | 105 | 64-127 | 6 | 0 - 20 | Q31876 |
| Toluene | 227 | 200 | µg/L | 114 | 60-131 | 6 | 0 - 21 | Q31876 |
| Trichloroethene | 203 | 200 | µg/L | 94 | 52-128 | 5 | 0 - 18 | Q31876 |

Diesel Range Organics (DRO) by GC-FID, method 8015B

| Method Blank | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|----|---------------|-------|-------------|
| Diesel Range Organics (DRO) | ND | 7 | <3.5 | mg/kg | Q32010 |

| Laboratory Control Sample | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|-----------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Diesel Range Organics (DRO) | 49.4 | 80 | mg/kg | 62 | 55-109 | Q32010 |

| Matrix Spike | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|---|--------|--------------|-------|------------|-------------------|-------------|
| Sample ID: 211341 Diesel Range Organics (DRO) | 64.1 | 80 | mg/kg | 80 | 50-117 | Q32010 |

| Matrix Spike Duplicate | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
|---|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: 211341 Diesel Range Organics (DRO) | 55.7 | 80 | mg/kg | 70 | 50-117 | 14 | 0 - 24 | Q32010 |

#-See Case Narrative

Case Narrative



Date: 05/23/08
Company: N. C. Department of Transportation
Contact: Martha Meyers-Lee
Address: c/o URS
1600 Perimeter Park Dr. Suite 400
Morrisville, NC 27560

Client Project ID: NCDOT: Boone - Parcel 28
Prism COC Group No: G0508310
Collection Date(s): 5/6/2008 thru 5/8/2008
Lab Submittal Date(s): 05/09/08

Client Project Name Or No: State Project: U-4020/ 320 E. King

This data package contains the analytical results for the project identified above and includes a Case Narrative, Laboratory Report and Quality Control Data totaling 49 pages. A chain-of-custody is also attached for the samples submitted to Prism for this project.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative. Quality control statements and/or sample specific remarks are included in the sample comments section of the laboratory report for each sample affected.

Semi Volatile Analysis

No Anomalies Reported

Volatile Analysis

No Anomalies Reported

Metals Analysis

N/A

Wet Lab and Micro Analysis

N/A

Please call if you have any questions relating to this analytical report.

Date Reviewed by: Robbi A. Jones

Project Manager: Robbi A. Jones

Signature:

Signature:

Review Date: 05/23/08

Approval Date: 05/23/08

Data Qualifiers Key Reference:

- B: Compound also detected in the method blank.
- #: Result outside of the QC limits.
- DO: Compound diluted out.
- E: Estimated concentration, calibration range exceeded.
- J: The analyte was positively identified but the value is estimated below the reporting limit.
- H: Estimated concentration with a high bias.
- L: Estimated concentration with a low bias.
- M: A matrix effect is present.

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 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-17-20
 Prism Sample ID: 214070
 COC Group: G0508310
 Time Collected: 05/06/08 14:15
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 73.5 | % | | | 1 | SM2540 G | 05/12/08 15:15 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 5.80 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 5.67 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 5.53 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0059 | 0.00069 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0059 | 0.00042 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0059 | 0.00062 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0059 | 0.00067 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0059 | 0.0010 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0059 | 0.00069 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0059 | 0.00067 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0059 | 0.00079 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0059 | 0.00076 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0059 | 0.00029 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0059 | 0.00073 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0059 | 0.00038 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0059 | 0.00066 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0059 | 0.0014 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0059 | 0.00049 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0059 | 0.00039 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0059 | 0.00025 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0059 | 0.00075 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0059 | 0.00084 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0059 | 0.00033 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-17-20
 Prism Sample ID: 214070
 COC Group: G0508310
 Time Collected: 05/06/08 14:15
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.059 | 0.0051 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0059 | 0.00043 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.059 | 0.0061 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Acetone | BRL | mg/kg | 0.059 | 0.017 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0035 | 0.00049 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.0059 | 0.00075 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.0059 | 0.00048 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.0059 | 0.00063 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.0059 | 0.00053 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.012 | 0.0013 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.0059 | 0.00039 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.0059 | 0.0006 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.0059 | 0.00054 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.012 | 0.0020 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.0059 | 0.00097 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.0059 | 0.0014 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0059 | 0.00094 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0059 | 0.00077 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0059 | 0.0016 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.0059 | 0.00027 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0059 | 0.00054 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.0059 | 0.00034 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.012 | 0.00096 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.12 | 0.017 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.012 | 0.00049 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.0059 | 0.00096 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.0059 | 0.00042 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-17-20
 Prism Sample ID: 214070
 COC Group: G0508310
 Time Collected: 05/06/08 14:15
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0059 | 0.00039 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.012 | 0.0007 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.0059 | 0.00025 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0059 | 0.00047 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.0059 | 0.0004 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.0059 | 0.00066 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.0059 | 0.00049 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Tetrachloroethene | 0.13 | mg/kg | 0.0059 | 0.00053 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.0059 | 0.00043 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0059 | 0.00075 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0059 | 0.00069 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.0059 | 0.00086 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0059 | 0.0010 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.029 | 0.0017 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.0059 | 0.0010 | 1 | 8260B | 05/14/08 20:01 | erussell | Q32473 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 100 | 81 - 128 |
| Dibromofluoromethane | 106 | 67 - 143 |
| Bromofluorobenzene | 116 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 9.5 | 1.5 | 1 | 8015B | 05/14/08 21:15 | jvogel | Q32506 |
| Sample Preparation: | | | 25.02 g | / | 1 mL | 3545 | 05/13/08 16:45 | wconder | P21589 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 63 | 49 - 124 |

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NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-17-20
 Prism Sample ID: 214070
 COC Group: G0508310
 Time Collected: 05/06/08 14:15
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID | | | | | | |
|--|------------|----------------|--------------|-----|-----------------|--------|--------------------|----------|----------|-----------|------------|----------------|---------|-----|----------|
| Sample Weight Determination | | | | | | | | | | | | | | | |
| Weight 1 | 5.67 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | | | | | | | |
| Weight 2 | 5.74 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | | | | | | | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.8 | 4.3 | 50 | 8015B | 05/15/08 19:35 | wbradley | Q32513 | | | | | | |
| <table border="1"> <thead> <tr> <th>Surrogate</th> <th>% Recovery</th> <th>Control Limits</th> </tr> </thead> <tbody> <tr> <td>aaa-TFT</td> <td>101</td> <td>55 - 129</td> </tr> </tbody> </table> | | | | | | | | | | Surrogate | % Recovery | Control Limits | aaa-TFT | 101 | 55 - 129 |
| Surrogate | % Recovery | Control Limits | | | | | | | | | | | | | |
| aaa-TFT | 101 | 55 - 129 | | | | | | | | | | | | | |

Sample Comment(s):

BRL = Below Reporting Limit
J- Estimated value between the Reporting Limit and the MDL
The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.
All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-18-12
 Prism Sample ID: 214071
 COC Group: G0508310
 Time Collected: 05/06/08 14:50
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 77.4 | % | | | 1 | SM2540 G | 05/12/08 15:15 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 6.17 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 6.03 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 5.69 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0052 | 0.00062 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0052 | 0.00038 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0052 | 0.00055 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0052 | 0.0006 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0052 | 0.0009 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0052 | 0.00062 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0052 | 0.0006 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0052 | 0.0007 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0052 | 0.00068 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0052 | 0.00026 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0052 | 0.00065 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0052 | 0.00034 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0052 | 0.00059 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0052 | 0.0013 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0052 | 0.00044 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0052 | 0.00035 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0052 | 0.00022 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0052 | 0.00067 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0052 | 0.00075 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0052 | 0.00029 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |

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Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-18-12
 Prism Sample ID: 214071
 COC Group: G0508310
 Time Collected: 05/06/08 14:50
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.052 | 0.0045 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0052 | 0.00039 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.052 | 0.0054 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Acetone | BRL | mg/kg | 0.052 | 0.016 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0031 | 0.00044 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.0052 | 0.00067 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.0052 | 0.00043 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.0052 | 0.00057 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.0052 | 0.00047 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.010 | 0.0012 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.0052 | 0.00035 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.0052 | 0.00053 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.0052 | 0.00048 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.010 | 0.0018 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.0052 | 0.00087 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.0052 | 0.0013 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0052 | 0.00084 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0052 | 0.00069 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0052 | 0.0014 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.0052 | 0.00024 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0052 | 0.00048 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.0052 | 0.0003 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.010 | 0.00086 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.10 | 0.015 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.010 | 0.00044 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.0052 | 0.00086 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.0052 | 0.00038 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |

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Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
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 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-18-12
 Prism Sample ID: 214071
 COC Group: G0508310
 Time Collected: 05/06/08 14:50
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0052 | 0.00035 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.010 | 0.00063 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.0052 | 0.00022 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0052 | 0.00042 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.0052 | 0.00036 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.0052 | 0.00059 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.0052 | 0.00044 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Tetrachloroethene | BRL | mg/kg | 0.0052 | 0.00047 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.0052 | 0.00039 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0052 | 0.00067 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0052 | 0.00062 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.0052 | 0.00076 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0052 | 0.00093 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.026 | 0.0015 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.0052 | 0.00091 | 1 | 8260B | 05/14/08 20:33 | erussell | Q32473 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 109 | 81 - 128 |
| Dibromofluoromethane | 105 | 67 - 143 |
| Bromofluorobenzene | 112 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 9.0 | 1.5 | 1 | 8015B | 05/16/08 6:29 | jvogel | Q32561 |
| Sample Preparation: | | | 25 g | / | 1 mL | 3545 | 05/14/08 17:40 | wconder | P21598 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 66 | 49 - 124 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-18-12
 Prism Sample ID: 214071
 COC Group: G0508310
 Time Collected: 05/06/08 14:50
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.96 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Weight 2 | 4.65 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.5 | 4.0 | 50 | 8015B | 05/15/08 20:06 | wbradley | Q32513 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 68 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-19-6
 Prism Sample ID: 214072
 COC Group: G0508310
 Time Collected: 05/06/08 16:40
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|----------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 86.3 | % | | | 1 | SM2540 G | 05/12/08 15:15 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 5.12 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.78 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 5.14 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0061 | 0.00072 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0061 | 0.00044 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0061 | 0.00064 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0061 | 0.00069 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0061 | 0.0010 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0061 | 0.00072 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0061 | 0.00069 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0061 | 0.00081 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0061 | 0.00079 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0061 | 0.0003 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0061 | 0.00075 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0061 | 0.00039 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0061 | 0.00068 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0061 | 0.0015 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | 0.0044 J | mg/kg | 0.0061 | 0.00051 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0061 | 0.0004 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0061 | 0.00025 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0061 | 0.00078 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0061 | 0.00087 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0061 | 0.00034 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-19-6
 Prism Sample ID: 214072
 COC Group: G0508310
 Time Collected: 05/06/08 16:40
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.061 | 0.0052 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0061 | 0.00045 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.061 | 0.0063 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Acetone | 5.7 | mg/kg | 4.6 | 3.5 | 500 | 8260B | 05/15/08 12:55 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0036 | 0.00051 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.0061 | 0.00078 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.0061 | 0.0005 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.0061 | 0.00065 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.0061 | 0.00055 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.012 | 0.0014 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.0061 | 0.0004 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.0061 | 0.00062 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.0061 | 0.00056 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.012 | 0.0020 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.0061 | 0.0010 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.0061 | 0.0015 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0061 | 0.00097 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0061 | 0.0008 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0061 | 0.0017 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.0061 | 0.00028 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0061 | 0.00056 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.0061 | 0.00035 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.012 | 0.00099 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | 0.15 | mg/kg | 0.12 | 0.018 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.012 | 0.00051 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.0061 | 0.00099 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.0061 | 0.00044 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-19-6
 Prism Sample ID: 214072
 COC Group: G0508310
 Time Collected: 05/06/08 16:40
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0061 | 0.0004 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.012 | 0.00073 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.0061 | 0.00025 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0061 | 0.00048 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.0061 | 0.00041 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.0061 | 0.00068 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.0061 | 0.00051 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Tetrachloroethene | 34 | mg/kg | 2.8 | 0.25 | 500 | 8260B | 05/15/08 12:55 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.0061 | 0.00045 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0061 | 0.00078 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0061 | 0.00072 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.0061 | 0.00088 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0061 | 0.0011 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.030 | 0.0017 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.0061 | 0.0011 | 1 | 8260B | 05/14/08 21:04 | erussell | Q32473 |

One surrogate recovery was outside of the control limits. Matrix interference is suspected.

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 88 | 81 - 128 |
| Dibromofluoromethane | 106 | 67 - 143 |
| Bromofluorobenzene | 245 # | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|--------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | 470 | mg/kg | 41 | 6.5 | 5 | 8015B | 05/15/08 12:27 | jvogel | Q32506 |
| Sample Preparation: | | | 25.3 g | / | 1 mL | 3545 | 05/13/08 16:45 | wconder | P21589 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 68 | 49 - 124 |

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Page 11 of 44



NC Certification No. 402
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Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-19-6
 Prism Sample ID: 214072
 COC Group: G0508310
 Time Collected: 05/06/08 16:40
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 5.03 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Weight 2 | 5.00 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | 100 | mg/kg | 5.8 | 3.6 | 50 | 8015B | 05/15/08 20:38 | | Q32513 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 78 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-20-2
 Prism Sample ID: 214073
 COC Group: G0508310
 Time Collected: 05/06/08 16:50
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 85.2 | % | | | 1 | SM2540 G | 05/12/08 15:15 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 4.65 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 3.96 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 4.04 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0063 | 0.00074 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0063 | 0.00045 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0063 | 0.00067 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0063 | 0.00072 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00074 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0063 | 0.00072 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0063 | 0.00085 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0063 | 0.00082 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0063 | 0.00032 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0063 | 0.00078 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.0004 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0063 | 0.00071 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0063 | 0.0015 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0063 | 0.00053 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.00042 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0063 | 0.00027 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0063 | 0.00081 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0063 | 0.00091 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0063 | 0.00035 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |

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Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-20-2
 Prism Sample ID: 214073
 COC Group: G0508310
 Time Collected: 05/06/08 16:50
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.063 | 0.0054 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0063 | 0.00047 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.063 | 0.0066 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Acetone | 0.25 | mg/kg | 0.063 | 0.019 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0038 | 0.00053 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.0063 | 0.00081 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.0063 | 0.00052 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.0063 | 0.00068 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.0063 | 0.00057 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.013 | 0.0014 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.0063 | 0.00042 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.0063 | 0.00064 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.0063 | 0.00058 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.013 | 0.0021 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.0063 | 0.0015 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00083 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0063 | 0.0017 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.0063 | 0.00029 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0063 | 0.00058 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.0063 | 0.00037 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.013 | 0.0010 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.13 | 0.019 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.013 | 0.00053 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.0063 | 0.0010 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00045 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-20-2
 Prism Sample ID: 214073
 COC Group: G0508310
 Time Collected: 05/06/08 16:50
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0063 | 0.00042 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.013 | 0.00076 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.0063 | 0.00027 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0063 | 0.0005 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00043 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.0063 | 0.00071 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.0063 | 0.00053 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Tetrachloroethene | 4.0 | mg/kg | 0.36 | 0.033 | 50 | 8260B | 05/15/08 10:21 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.0063 | 0.00047 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0063 | 0.00081 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0063 | 0.00074 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.0063 | 0.00092 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.032 | 0.0018 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.0063 | 0.0011 | 1 | 8260B | 05/14/08 21:36 | erussell | Q32473 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 100 | 81 - 128 |
| Dibromofluoromethane | 100 | 67 - 143 |
| Bromofluorobenzene | 93 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.1 | 1.3 | 1 | 8015B | 05/15/08 10:39 | jvogel | Q32506 |
| Sample Preparation: | | | 25.42 g | / | 1 mL | 3545 | 05/13/08 16:45 | wconder | P21589 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 65 | 49 - 124 |

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Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-20-2
 Prism Sample ID: 214073
 COC Group: G0508310
 Time Collected: 05/06/08 16:50
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.50 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Weight 2 | 5.46 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.9 | 3.7 | 50 | 8015B | 05/15/08 21:09 | wbradley | Q32513 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 68 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
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 c/o URS
 1600 Perimeter Park Dr. Suite 400
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Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-21-2
 Prism Sample ID: 214074
 COC Group: G0508310
 Time Collected: 05/07/08 17:00
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 84.0 | % | | | 1 | SM2540 G | 05/14/08 15:52 | nhansson | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 4.40 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.39 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 4.00 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0068 | 0.0008 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0068 | 0.00049 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0068 | 0.00072 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0068 | 0.00077 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0068 | 0.0012 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0068 | 0.0008 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0068 | 0.00077 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0068 | 0.00091 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0068 | 0.00088 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0068 | 0.00034 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0068 | 0.00084 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0068 | 0.00043 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0068 | 0.00076 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0068 | 0.0016 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0068 | 0.00057 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0068 | 0.00045 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0068 | 0.00028 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0068 | 0.00087 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0068 | 0.00097 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0068 | 0.00038 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |

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NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-21-2
 Prism Sample ID: 214074
 COC Group: G0508310
 Time Collected: 05/07/08 17:00
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.068 | 0.0058 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0068 | 0.0005 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.068 | 0.0070 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Acetone | 0.27 | mg/kg | 0.068 | 0.020 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0041 | 0.00057 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.0068 | 0.00087 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.0068 | 0.00055 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.0068 | 0.00073 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.0068 | 0.00061 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.014 | 0.0015 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.0068 | 0.00045 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.0068 | 0.00069 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.0068 | 0.00062 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.014 | 0.0023 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.0068 | 0.0011 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.0068 | 0.0016 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0068 | 0.0011 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0068 | 0.00089 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0068 | 0.0019 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.0068 | 0.00031 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0068 | 0.00062 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.0068 | 0.00039 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.014 | 0.0011 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.14 | 0.020 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.014 | 0.00057 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.0068 | 0.0011 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.0068 | 0.00049 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |

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Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-21-2
 Prism Sample ID: 214074
 COC Group: G0508310
 Time Collected: 05/07/08 17:00
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0068 | 0.00045 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.014 | 0.00081 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.0068 | 0.00028 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0068 | 0.00054 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.0068 | 0.00046 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.0068 | 0.00076 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.0068 | 0.00057 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Tetrachloroethene | 1.8 | mg/kg | 0.37 | 0.033 | 50 | 8260B | 05/15/08 11:00 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.0068 | 0.0005 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0068 | 0.00087 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0068 | 0.0008 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.0068 | 0.00099 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0068 | 0.0012 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.034 | 0.0019 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.0068 | 0.0012 | 1 | 8260B | 05/14/08 22:07 | erussell | Q32473 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 106 | 81 - 128 |
| Dibromofluoromethane | 102 | 67 - 143 |
| Bromofluorobenzene | 102 | 77 - 128 |

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Laboratory Report

05/23/08

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 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-21-2
 Prism Sample ID: 214074
 COC Group: G0508310
 Time Collected: 05/07/08 17:00
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|
|-----------|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-22-6
 Prism Sample ID: 214075
 COC Group: G0508310
 Time Collected: 05/08/08 9:35
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 81.4 | % | | | 1 | SM2540 G | 05/14/08 15:52 | nhansson | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 4.44 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.41 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 3.14 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0069 | 0.00082 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0069 | 0.0005 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0069 | 0.00073 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0069 | 0.00079 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0069 | 0.0012 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0069 | 0.00082 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0069 | 0.00079 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0069 | 0.00093 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0069 | 0.0009 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0069 | 0.00035 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0069 | 0.00086 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0069 | 0.00044 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0069 | 0.00077 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0069 | 0.0017 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0069 | 0.00058 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0069 | 0.00046 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0069 | 0.00029 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0069 | 0.00089 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0069 | 0.0010 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0069 | 0.00039 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-22-6
 Prism Sample ID: 214075
 COC Group: G0508310
 Time Collected: 05/08/08 9:35
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.069 | 0.0060 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0069 | 0.00051 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.069 | 0.0072 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Acetone | BRL | mg/kg | 0.069 | 0.021 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0042 | 0.00058 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.0069 | 0.00089 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.0069 | 0.00057 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.0069 | 0.00075 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.0069 | 0.00062 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.014 | 0.0015 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.0069 | 0.00046 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.0069 | 0.00071 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.0069 | 0.00064 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.014 | 0.0023 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.0069 | 0.0011 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.0069 | 0.0017 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0069 | 0.0011 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0069 | 0.00091 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0069 | 0.0019 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.0069 | 0.00032 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0069 | 0.00064 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.0069 | 0.0004 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.014 | 0.0011 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.14 | 0.020 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.014 | 0.00058 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.0069 | 0.0011 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.0069 | 0.0005 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |

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 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-22-6
 Prism Sample ID: 214075
 COC Group: G0508310
 Time Collected: 05/08/08 9:35
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0069 | 0.00046 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.014 | 0.00083 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.0069 | 0.00029 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0069 | 0.00055 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.0069 | 0.00047 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.0069 | 0.00077 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.0069 | 0.00058 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Tetrachloroethene | BRL | mg/kg | 0.0069 | 0.00062 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.0069 | 0.00051 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0069 | 0.00089 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0069 | 0.00082 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.0069 | 0.0010 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0069 | 0.0012 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.035 | 0.0020 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.0069 | 0.0012 | 1 | 8260B | 05/14/08 22:38 | erussell | Q32473 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 104 | 81 - 128 |
| Dibromofluoromethane | 99 | 67 - 143 |
| Bromofluorobenzene | 100 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|--------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.6 | 1.4 | 1 | 8015B | 05/14/08 23:03 | jvogel | Q32506 |
| Sample Preparation: | | | 25.1 g | / | 1 mL | 3545 | 05/13/08 16:45 | wconder | P21589 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 64 | 49 - 124 |

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05/23/08

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Project Name: State Project: U-4020/
 320 E. King St.
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 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-22-6
 Prism Sample ID: 214075
 COC Group: G0508310
 Time Collected: 05/08/08 9:35
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID | | | | | | |
|---|------------|----------------|--------------|-----|-----------------|--------|--------------------|----------|----------|-----------|------------|----------------|---------|----|----------|
| Sample Weight Determination | | | | | | | | | | | | | | | |
| Weight 1 | 4.76 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | | | | | | | |
| Weight 2 | 4.44 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | | | | | | | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.1 | 3.8 | 50 | 8015B | 05/15/08 21:41 | wbradley | Q32513 | | | | | | |
| <table border="1"> <thead> <tr> <th>Surrogate</th> <th>% Recovery</th> <th>Control Limits</th> </tr> </thead> <tbody> <tr> <td>aaa-TFT</td> <td>64</td> <td>55 - 129</td> </tr> </tbody> </table> | | | | | | | | | | Surrogate | % Recovery | Control Limits | aaa-TFT | 64 | 55 - 129 |
| Surrogate | % Recovery | Control Limits | | | | | | | | | | | | | |
| aaa-TFT | 64 | 55 - 129 | | | | | | | | | | | | | |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

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Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-23-6
 Prism Sample ID: 214076
 COC Group: G0508310
 Time Collected: 05/08/08 9:45
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 84.4 | % | | | 1 | SM2540 G | 05/15/08 16:00 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 4.37 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.40 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 4.24 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0068 | 0.0008 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0068 | 0.00049 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0068 | 0.00072 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0068 | 0.00077 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0068 | 0.0012 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0068 | 0.0008 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0068 | 0.00077 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0068 | 0.00091 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0068 | 0.00088 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0068 | 0.00034 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0068 | 0.00084 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0068 | 0.00043 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0068 | 0.00076 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0068 | 0.0016 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0068 | 0.00057 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0068 | 0.00045 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0068 | 0.00028 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0068 | 0.00087 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0068 | 0.00098 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0068 | 0.00038 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |

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| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.068 | 0.0058 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0068 | 0.0005 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.068 | 0.0070 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Acetone | BRL | mg/kg | 0.068 | 0.020 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0041 | 0.00057 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.0068 | 0.00087 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.0068 | 0.00056 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.0068 | 0.00073 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.0068 | 0.00061 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.014 | 0.0015 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.0068 | 0.00045 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.0068 | 0.00069 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.0068 | 0.00062 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.014 | 0.0023 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.0068 | 0.0011 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.0068 | 0.0016 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0068 | 0.0011 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0068 | 0.00089 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0068 | 0.0019 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.0068 | 0.00031 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0068 | 0.00062 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.0068 | 0.00039 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.014 | 0.0011 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.14 | 0.020 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.014 | 0.00057 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.0068 | 0.0011 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.0068 | 0.00049 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-23-6
 Prism Sample ID: 214076
 COC Group: G0508310
 Time Collected: 05/08/08 9:45
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0068 | 0.00045 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.014 | 0.00081 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.0068 | 0.00028 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0068 | 0.00054 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.0068 | 0.00046 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.0068 | 0.00076 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.0068 | 0.00057 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Tetrachloroethene | BRL | mg/kg | 0.0068 | 0.00061 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.0068 | 0.0005 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0068 | 0.00087 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0068 | 0.0008 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.0068 | 0.00099 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0068 | 0.0012 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.034 | 0.0019 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.0068 | 0.0012 | 1 | 8260B | 05/14/08 23:10 | erussell | Q32473 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 102 | 81 - 128 |
| Dibromofluoromethane | 102 | 67 - 143 |
| Bromofluorobenzene | 103 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.3 | 1.3 | 1 | 8015B | 05/14/08 23:39 | jvogel | Q32506 |
| Sample Preparation: | | | 25.04 g | / | 1 mL | 3545 | 05/13/08 16:45 | wconder | P21589 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 53 | 49 - 124 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-23-6
 Prism Sample ID: 214076
 COC Group: G0508310
 Time Collected: 05/08/08 9:45
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|------------------|-----------------|-------------------|--------------------|-----------------------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.49 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Weight 2 | 4.46 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.9 | 3.7 | 50 | 8015B | 05/15/08 22:12 | wbradley | Q32513 |
| | | | | Surrogate | | % Recovery | | Control Limits | |
| | | | | aaa-TFT | | 86 | | 55 - 129 | |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-24-6
 Prism Sample ID: 214077
 COC Group: G0508310
 Time Collected: 05/08/08 9:55
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 82.9 | % | | | 1 | SM2540 G | 05/15/08 16:00 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 4.62 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.32 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 4.51 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0065 | 0.00077 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0065 | 0.00047 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0065 | 0.00069 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0065 | 0.00074 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0065 | 0.0011 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0065 | 0.00077 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0065 | 0.00074 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0065 | 0.00087 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0065 | 0.00085 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0065 | 0.00033 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0065 | 0.00081 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0065 | 0.00042 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0065 | 0.00073 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0065 | 0.0016 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0065 | 0.00055 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0065 | 0.00043 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0065 | 0.00027 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0065 | 0.00084 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0065 | 0.00094 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0065 | 0.00037 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-24-6
 Prism Sample ID: 214077
 COC Group: G0508310
 Time Collected: 05/08/08 9:55
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.065 | 0.0056 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0065 | 0.00048 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.065 | 0.0068 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Acetone | BRL | mg/kg | 0.065 | 0.019 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0039 | 0.00055 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.0065 | 0.00084 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.0065 | 0.00054 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.0065 | 0.0007 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.0065 | 0.00059 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.013 | 0.0015 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.0065 | 0.00043 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.0065 | 0.00067 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.0065 | 0.0006 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.013 | 0.0022 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.0065 | 0.0011 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.0065 | 0.0016 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0065 | 0.0010 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0065 | 0.00086 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0065 | 0.0018 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.0065 | 0.0003 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0065 | 0.0006 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.0065 | 0.00038 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.013 | 0.0011 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.13 | 0.019 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.013 | 0.00055 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.0065 | 0.0011 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.0065 | 0.00047 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-24-6
 Prism Sample ID: 214077
 COC Group: G0508310
 Time Collected: 05/08/08 9:55
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0065 | 0.00043 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.013 | 0.00078 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.0065 | 0.00027 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0065 | 0.00052 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.0065 | 0.00044 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.0065 | 0.00073 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.0065 | 0.00055 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Tetrachloroethene | BRL | mg/kg | 0.0065 | 0.00059 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.0065 | 0.00048 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0065 | 0.00084 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0065 | 0.00077 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.0065 | 0.00095 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0065 | 0.0012 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.033 | 0.0018 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.0065 | 0.0011 | 1 | 8260B | 05/14/08 23:42 | erussell | Q32473 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 104 | 81 - 128 |
| Dibromofluoromethane | 103 | 67 - 143 |
| Bromofluorobenzene | 105 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 8.4 | 1.4 | 1 | 8015B | 05/15/08 0:15 | jvogel | Q32506 |
| Sample Preparation: | | | 25.16 g | / | 1 mL | 3545 | 05/13/08 16:45 | wconder | P21589 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 57 | 49 - 124 |

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Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-24-6
 Prism Sample ID: 214077
 COC Group: G0508310
 Time Collected: 05/08/08 9:55
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|-------------------|-----------------------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.20 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Weight 2 | 4.30 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 6.0 | 3.8 | 50 | 8015B | 05/15/08 22:44 | wbradley | Q32513 |
| | | | | | | | Surrogate | % Recovery | Control Limits |
| | | | | | | | aaa-TFT | 90 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-25-12
 Prism Sample ID: 214078
 COC Group: G0508310
 Time Collected: 05/08/08 10:55
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| <u>Percent Solids Determination</u> | | | | | | | | | |
| Percent Solids | 87.8 | % | | | 1 | SM2540 G | 05/15/08 16:00 | mbarber | |
| <u>Sample Weight Determination</u> | | | | | | | | | |
| Weight Bisulfate 1 | 4.57 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 5.07 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 2.91 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0062 | 0.00074 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0062 | 0.00045 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0062 | 0.00066 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0062 | 0.00071 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0062 | 0.0011 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0062 | 0.00074 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0062 | 0.00071 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0062 | 0.00083 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0062 | 0.00081 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0062 | 0.00031 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0062 | 0.00077 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0062 | 0.0004 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0062 | 0.0007 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0062 | 0.0015 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0062 | 0.00052 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0062 | 0.00041 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0062 | 0.00026 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0062 | 0.0008 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0062 | 0.0009 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0062 | 0.00035 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-25-12
 Prism Sample ID: 214078
 COC Group: G0508310
 Time Collected: 05/08/08 10:55
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.062 | 0.0054 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0062 | 0.00046 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.062 | 0.0065 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Acetone | BRL | mg/kg | 0.062 | 0.018 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0037 | 0.00052 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.0062 | 0.0008 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.0062 | 0.00051 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.0062 | 0.00067 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.0062 | 0.00056 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.012 | 0.0014 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.0062 | 0.00041 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.0062 | 0.00064 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.0062 | 0.00057 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.012 | 0.0021 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.0062 | 0.0010 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.0062 | 0.0015 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0062 | 0.0010 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0062 | 0.00082 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0062 | 0.0017 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.0062 | 0.00029 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0062 | 0.00057 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.0062 | 0.00036 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.012 | 0.0010 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.12 | 0.018 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.012 | 0.00052 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.0062 | 0.0010 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.0062 | 0.00045 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-25-12
 Prism Sample ID: 214078
 COC Group: G0508310
 Time Collected: 05/08/08 10:55
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0062 | 0.00041 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.012 | 0.00075 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.0062 | 0.00026 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0062 | 0.0005 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.0062 | 0.00042 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.0062 | 0.0007 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.0062 | 0.00052 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Tetrachloroethene | 0.066 | mg/kg | 0.0062 | 0.00056 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.0062 | 0.00046 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0062 | 0.0008 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0062 | 0.00074 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.0062 | 0.00091 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0062 | 0.0011 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.031 | 0.0018 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.0062 | 0.0011 | 1 | 8260B | 05/15/08 0:13 | erussell | Q32473 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 109 | 81 - 128 |
| Dibromofluoromethane | 104 | 67 - 143 |
| Bromofluorobenzene | 106 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO) BRL mg/kg 7.9 1.3 1 8015B 05/15/08 11:15 jvogel Q32506

Sample Preparation: 25.21 g / 1 mL 3545 05/13/08 16:45 wconder P21589

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 61 | 49 - 124 |

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 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-25-12
 Prism Sample ID: 214078
 COC Group: G0508310
 Time Collected: 05/08/08 10:55
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.78 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Weight 2 | 4.63 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.7 | 3.6 | 50 | 8015B | 05/15/08 23:16 | wbradley | Q32513 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 81 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-26-2
 Prism Sample ID: 214079
 COC Group: G0508310
 Time Collected: 05/08/08 11:25
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 87.9 | % | | | 1 | SM2540 G | 05/15/08 16:00 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 2.62 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 2.33 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 3.62 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.011 | 0.0013 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.011 | 0.00078 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.011 | 0.0012 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.011 | 0.0012 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.011 | 0.0019 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.011 | 0.0013 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.011 | 0.0012 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.011 | 0.0015 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.011 | 0.0014 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.011 | 0.00054 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.011 | 0.0013 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.011 | 0.00069 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.011 | 0.0012 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.011 | 0.0026 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.011 | 0.00091 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.011 | 0.00072 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.011 | 0.00046 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.011 | 0.0014 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.011 | 0.0016 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.011 | 0.00061 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |

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Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil
 Client Sample ID: P28-26-2
 Prism Sample ID: 214079
 COC Group: G0508310
 Time Collected: 05/08/08 11:25
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.11 | 0.0094 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.011 | 0.0008 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.11 | 0.011 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Acetone | 0.21 | mg/kg | 0.11 | 0.032 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0065 | 0.00091 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.011 | 0.0014 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.011 | 0.00089 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.011 | 0.0012 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.011 | 0.00098 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.022 | 0.0024 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.011 | 0.00072 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.011 | 0.0011 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.011 | 0.0010 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.022 | 0.0036 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.011 | 0.0018 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.011 | 0.0026 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.011 | 0.0017 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.011 | 0.0014 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.011 | 0.0030 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.011 | 0.0005 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.011 | 0.0010 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.011 | 0.00063 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.022 | 0.0018 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.22 | 0.032 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.022 | 0.00091 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.011 | 0.0018 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.011 | 0.00078 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |

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Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-26-2
 Prism Sample ID: 214079
 COC Group: G0508310
 Time Collected: 05/08/08 11:25
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.011 | 0.00072 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.022 | 0.0013 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.011 | 0.00046 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.011 | 0.00087 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.011 | 0.00074 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.011 | 0.0012 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.011 | 0.00091 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Tetrachloroethene | 0.34 | mg/kg | 0.011 | 0.00098 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.011 | 0.0008 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.011 | 0.0014 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.011 | 0.0013 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.011 | 0.0016 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.011 | 0.0019 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.054 | 0.0031 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.011 | 0.0019 | 1 | 8260B | 05/15/08 0:44 | erussell | Q32473 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 108 | 81 - 128 |
| Dibromofluoromethane | 105 | 67 - 143 |
| Bromofluorobenzene | 107 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO) BRL mg/kg 8.0 1.3 1 8015B 05/15/08 0:50 jvogel Q32506

Sample Preparation: 25.01 g / 1 mL 3545 05/13/08 16:45 wconder P21589

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 78 | 49 - 124 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-26-2
 Prism Sample ID: 214079
 COC Group: G0508310
 Time Collected: 05/08/08 11:25
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|------------|-------|--------------|-----|-----------------|--------|--------------------|----------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.96 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Weight 2 | 4.66 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.7 | 3.6 | 50 | 8015B | 05/15/08 23:47 | wbradley | Q32513 |

| Surrogate | % Recovery | Control Limits |
|-----------|------------|----------------|
| aaa-TFT | 123 | 55 - 129 |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-26-20
 Prism Sample ID: 214080
 COC Group: G0508310
 Time Collected: 05/08/08 11:40
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|---------|-----------------|----------|--------------------|----------|----------|
| Percent Solids Determination | | | | | | | | | |
| Percent Solids | 89.3 | % | | | 1 | SM2540 G | 05/15/08 16:00 | mbarber | |
| Sample Weight Determination | | | | | | | | | |
| Weight Bisulfate 1 | 3.34 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Bisulfate 2 | 4.17 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Weight Methanol | 4.81 | g | | | 1 | 5035 | 05/13/08 0:00 | lbrown | |
| Volatile Organic Compounds by GC/MS | | | | | | | | | |
| 1,1,1-Trichloroethane | BRL | mg/kg | 0.0084 | 0.00099 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,1,2,2-Tetrachloroethane | BRL | mg/kg | 0.0084 | 0.0006 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,1,2-Trichloroethane | BRL | mg/kg | 0.0084 | 0.00089 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,1-Dichloroethane | BRL | mg/kg | 0.0084 | 0.00096 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,1-Dichloroethene | BRL | mg/kg | 0.0084 | 0.0014 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,1-Dichloropropene | BRL | mg/kg | 0.0084 | 0.00099 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,2,3-Trichlorobenzene | BRL | mg/kg | 0.0084 | 0.00096 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,2,3-Trichloropropane | BRL | mg/kg | 0.0084 | 0.0011 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,2,4-Trichlorobenzene | BRL | mg/kg | 0.0084 | 0.0011 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,2,4-Trimethylbenzene | BRL | mg/kg | 0.0084 | 0.00042 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,2-Dibromoethane (EDB) | BRL | mg/kg | 0.0084 | 0.0010 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,2-Dichlorobenzene | BRL | mg/kg | 0.0084 | 0.00054 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,2-Dichloroethane | BRL | mg/kg | 0.0084 | 0.00094 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,2-Dichloropropane | BRL | mg/kg | 0.0084 | 0.0020 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,3,5-Trimethylbenzene | BRL | mg/kg | 0.0084 | 0.0007 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,3-Dichlorobenzene | BRL | mg/kg | 0.0084 | 0.00055 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,3-Dichloropropane | BRL | mg/kg | 0.0084 | 0.00035 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 1,4-Dichlorobenzene | BRL | mg/kg | 0.0084 | 0.0011 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 2,2-Dichloropropane | BRL | mg/kg | 0.0084 | 0.0012 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 2-Chlorotoluene | BRL | mg/kg | 0.0084 | 0.00047 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-26-20
 Prism Sample ID: 214080
 COC Group: G0508310
 Time Collected: 05/08/08 11:40
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| 2-Hexanone | BRL | mg/kg | 0.084 | 0.0072 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 4-Chlorotoluene | BRL | mg/kg | 0.0084 | 0.00062 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | BRL | mg/kg | 0.084 | 0.0087 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Acetone | BRL | mg/kg | 0.084 | 0.025 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Benzene | BRL | mg/kg | 0.0050 | 0.0007 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Bromobenzene | BRL | mg/kg | 0.0084 | 0.0011 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Bromochloromethane | BRL | mg/kg | 0.0084 | 0.00069 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Bromodichloromethane | BRL | mg/kg | 0.0084 | 0.00091 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Bromoform | BRL | mg/kg | 0.0084 | 0.00075 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Bromomethane | BRL | mg/kg | 0.017 | 0.0019 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Carbon tetrachloride | BRL | mg/kg | 0.0084 | 0.00055 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Chlorobenzene | BRL | mg/kg | 0.0084 | 0.00085 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Chlorodibromomethane | BRL | mg/kg | 0.0084 | 0.00077 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Chloroethane | BRL | mg/kg | 0.017 | 0.0028 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Chloroform | BRL | mg/kg | 0.0084 | 0.0014 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Chloromethane | BRL | mg/kg | 0.0084 | 0.0020 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| cis-1,2-Dichloroethene | BRL | mg/kg | 0.0084 | 0.0013 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| cis-1,3-Dichloropropene | BRL | mg/kg | 0.0084 | 0.0011 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Dichlorodifluoromethane | BRL | mg/kg | 0.0084 | 0.0023 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Ethylbenzene | BRL | mg/kg | 0.0084 | 0.00039 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Isopropyl ether (IPE) | BRL | mg/kg | 0.0084 | 0.00077 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Isopropylbenzene | BRL | mg/kg | 0.0084 | 0.00049 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| m,p-Xylenes | BRL | mg/kg | 0.017 | 0.0014 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Methyl ethyl ketone (MEK) | BRL | mg/kg | 0.17 | 0.025 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Methyl t-butyl ether (MTBE) | BRL | mg/kg | 0.017 | 0.0007 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Methylene chloride | BRL | mg/kg | 0.0084 | 0.0014 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| n-Butylbenzene | BRL | mg/kg | 0.0084 | 0.0006 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-26-20
 Prism Sample ID: 214080
 COC Group: G0508310
 Time Collected: 05/08/08 11:40
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|----------|-------|--------------|---------|-----------------|--------|--------------------|----------|----------|
| n-Propylbenzene | BRL | mg/kg | 0.0084 | 0.00055 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Naphthalene | BRL | mg/kg | 0.017 | 0.0010 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| o-Xylene | BRL | mg/kg | 0.0084 | 0.00035 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| p-Isopropyltoluene | BRL | mg/kg | 0.0084 | 0.00067 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| sec-Butylbenzene | BRL | mg/kg | 0.0084 | 0.00057 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Styrene | BRL | mg/kg | 0.0084 | 0.00094 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| tert-Butylbenzene | BRL | mg/kg | 0.0084 | 0.0007 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Tetrachloroethene | 0.0079 J | mg/kg | 0.0084 | 0.00075 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Toluene | BRL | mg/kg | 0.0084 | 0.00062 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| trans-1,2-Dichloroethene | BRL | mg/kg | 0.0084 | 0.0011 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| trans-1,3-Dichloropropene | BRL | mg/kg | 0.0084 | 0.00099 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Trichloroethene | BRL | mg/kg | 0.0084 | 0.0012 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Trichlorofluoromethane | BRL | mg/kg | 0.0084 | 0.0015 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Vinyl acetate | BRL | mg/kg | 0.042 | 0.0024 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |
| Vinyl chloride | BRL | mg/kg | 0.0084 | 0.0015 | 1 | 8260B | 05/15/08 1:16 | erussell | Q32473 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 105 | 81 - 128 |
| Dibromofluoromethane | 104 | 67 - 143 |
| Bromofluorobenzene | 106 | 77 - 128 |

Diesel Range Organics (DRO) by GC-FID

| | | | | | | | | | |
|-----------------------------|-----|-------|---------|-----|------|-------|----------------|---------|--------|
| Diesel Range Organics (DRO) | BRL | mg/kg | 7.7 | 1.2 | 1 | 8015B | 05/15/08 1:26 | jvogel | Q32506 |
| Sample Preparation: | | | 25.37 g | / | 1 mL | 3545 | 05/13/08 16:45 | wconder | P21589 |

| Surrogate | % Recovery | Control Limits |
|-------------|------------|----------------|
| o-Terphenyl | 60 | 49 - 124 |

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NC Certification No. 402
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Laboratory Report

05/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1
 Sample Matrix: Soil

Client Sample ID: P28-26-20
 Prism Sample ID: 214080
 COC Group: G0508310
 Time Collected: 05/08/08 11:40
 Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|--|--------|-------|--------------|-----|-----------------|--------|--------------------|-----------------------|----------|
| Sample Weight Determination | | | | | | | | | |
| Weight 1 | 4.10 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Weight 2 | 4.79 | g | | | 1 | GRO | 05/13/08 0:00 | lbrown | |
| Gasoline Range Organics (GRO) by GC-FID | | | | | | | | | |
| Gasoline Range Organics (GRO) | BRL | mg/kg | 5.6 | 3.5 | 50 | 8015B | 05/16/08 0:18 | wbradley | Q32513 |
| Surrogate | | | | | | | | | |
| | | | | | | | % Recovery | Control Limits | |
| aaa-TFT | | | | | | | 107 | 55 - 129 | |

Sample Comment(s):

BRL = Below Reporting Limit

J- Estimated value between the Reporting Limit and the MDL

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

5/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0508310
 Date/Time Submitted: 5/9/08 14:50

Volatile Organic Compounds by GC/MS, method 8260B

| Method Blank | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| 1,1,1-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,1,2,2-Tetrachloroethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,1,2-Trichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,1-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,1-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,1-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,2,3-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,2,3-Trichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,2,4-Trichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,2,4-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,2-Dibromoethane (EDB) | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,2-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,2-Dichloroethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,3,5-Trimethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,3-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,3-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 1,4-Dichlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 2,2-Dichloropropane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 2-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 2-Hexanone | ND | 0.05 | <0.025 | mg/kg | Q32473 |
| 4-Chlorotoluene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.05 | <0.025 | mg/kg | Q32473 |
| Acetone | ND | 0.05 | <0.025 | mg/kg | Q32473 |
| Benzene | ND | 0.003 | <0.0015 | mg/kg | Q32473 |
| Bromobenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Bromochloromethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Bromodichloromethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Bromoform | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Bromomethane | ND | 0.01 | <0.005 | mg/kg | Q32473 |
| Carbon tetrachloride | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Chlorobenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Chlorodibromomethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Chloroethane | ND | 0.01 | <0.005 | mg/kg | Q32473 |

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NC Certification No. 402
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 NC Drinking Water Cert. No. 37735

Level II QC Report

5/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0508310
 Date/Time Submitted: 5/9/08 14:50

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|-------|---------------|-------|-------------|
| Chloroform | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Chloromethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| cis-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| cis-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Dichlorodifluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Ethylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Isopropyl ether (IPE) | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Isopropylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| m,p-Xylenes | ND | 0.01 | <0.005 | mg/kg | Q32473 |
| Methyl ethyl ketone (MEK) | ND | 0.1 | <0.05 | mg/kg | Q32473 |
| Methyl t-butyl ether (MTBE) | ND | 0.01 | <0.005 | mg/kg | Q32473 |
| Methylene chloride | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| n-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| n-Propylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Naphthalene | ND | 0.01 | <0.005 | mg/kg | Q32473 |
| o-Xylene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| p-Isopropyltoluene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| sec-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Styrene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| tert-Butylbenzene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Tetrachloroethene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Toluene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| trans-1,2-Dichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| trans-1,3-Dichloropropene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Trichloroethene | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Trichlorofluoromethane | ND | 0.005 | <0.0025 | mg/kg | Q32473 |
| Vinyl acetate | ND | 0.025 | <0.0125 | mg/kg | Q32473 |
| Vinyl chloride | ND | 0.005 | <0.0025 | mg/kg | Q32473 |

Laboratory Control Sample

| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
|--------------------|---------|--------------|-------|------------|-------------------|-------------|
| 1,1-Dichloroethene | 0.04699 | 0.05 | mg/kg | 94 | 57-122 | Q32473 |
| Benzene | 0.04545 | 0.05 | mg/kg | 91 | 62-119 | Q32473 |
| Chlorobenzene | 0.04421 | 0.05 | mg/kg | 88 | 61-124 | Q32473 |
| Toluene | 0.04478 | 0.05 | mg/kg | 90 | 57-122 | Q32473 |
| Trichloroethene | 0.04565 | 0.05 | mg/kg | 91 | 59-129 | Q32473 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

5/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name:
 Project ID:
 Project No.:

State Project: U-4020/
 320 E. King St.
 NCDOT: Boone - Parcel
 28
 WBS# 35015.1.1

COC Group Number: G0508310
 Date/Time Submitted: 5/9/08 14:50

| Matrix Spike | | | | | | |
|---------------------------|---------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 214070 1,1-Dichloroethene | 0.04222 | 0.05 | mg/kg | 84 | 44-140 | Q32473 |
| Benzene | 0.04013 | 0.05 | mg/kg | 80 | 46-136 | Q32473 |
| Chlorobenzene | 0.03705 | 0.05 | mg/kg | 74 | 47-135 | Q32473 |
| Toluene | 0.04074 | 0.05 | mg/kg | 81 | 47-136 | Q32473 |
| Trichloroethene | 0.03935 | 0.05 | mg/kg | 79 | 45-141 | Q32473 |

| Matrix Spike Duplicate | | | | | | | | |
|---------------------------|---------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 214070 1,1-Dichloroethene | 0.03742 | 0.05 | mg/kg | 75 | 44-140 | 12 | 0 - 23 | Q32473 |
| Benzene | 0.03687 | 0.05 | mg/kg | 74 | 46-136 | 8 | 0 - 22 | Q32473 |
| Chlorobenzene | 0.03474 | 0.05 | mg/kg | 69 | 47-135 | 6 | 0 - 22 | Q32473 |
| Toluene | 0.03679 | 0.05 | mg/kg | 74 | 47-136 | 10 | 0 - 22 | Q32473 |
| Trichloroethene | 0.03659 | 0.05 | mg/kg | 73 | 45-141 | 7 | 0 - 23 | Q32473 |

Diesel Range Organics (DRO) by GC-FID, method 8015B

| Method Blank | | | | | |
|-----------------------------|--------|----|---------------|-------|-------------|
| | Result | RL | Control Limit | Units | QC Batch ID |
| Diesel Range Organics (DRO) | ND | 7 | <3.5 | mg/kg | Q32506 |

| Laboratory Control Sample | | | | | | |
|-----------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| Diesel Range Organics (DRO) | 71.3 | 80 | mg/kg | 89 | 55-109 | Q32506 |

| Matrix Spike | | | | | | |
|------------------------------------|--------|--------------|-------|------------|-------------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | QC Batch ID |
| 214070 Diesel Range Organics (DRO) | 67.0 | 80 | mg/kg | 84 | 50-117 | Q32506 |

| Matrix Spike Duplicate | | | | | | | | |
|------------------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 214070 Diesel Range Organics (DRO) | 61.2 | 80 | mg/kg | 77 | 50-117 | 9 | 0 - 24 | Q32506 |



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

5/23/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0508310
 Date/Time Submitted: 5/9/08 14:50

Gasoline Range Organics (GRO) by GC-FID, method 8015B

| Method Blank | | | | | QC Batch ID |
|-------------------------------|--------|----|---------------|-------|-------------|
| | Result | RL | Control Limit | Units | |
| Gasoline Range Organics (GRO) | ND | 5 | <2.5 | mg/kg | Q32513 |

| Laboratory Control Sample | | | | | QC Batch ID | |
|-------------------------------|--------|--------------|-------|------------|-------------------|--------|
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | |
| Gasoline Range Organics (GRO) | 44.9 | 50 | mg/kg | 90 | 67-116 | Q32513 |

| Matrix Spike | | | | | QC Batch ID | |
|--------------------------------------|--------|--------------|-------|------------|-------------------|--------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | |
| 214070 Gasoline Range Organics (GRO) | 50.0 | 50 | mg/kg | 100 | 57-113 | Q32513 |

| Matrix Spike Duplicate | | | | | QC Batch ID | | | |
|--------------------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|--------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | |
| 214070 Gasoline Range Organics (GRO) | 47.9 | 50 | mg/kg | 96 | 57-113 | 4 | 0 - 23 | Q32513 |

Diesel Range Organics (DRO) by GC-FID, method 8015B

| Method Blank | | | | | QC Batch ID |
|-----------------------------|--------|----|---------------|-------|-------------|
| | Result | RL | Control Limit | Units | |
| Diesel Range Organics (DRO) | ND | 7 | <3.5 | mg/kg | Q32561 |

| Laboratory Control Sample | | | | | QC Batch ID | |
|-----------------------------|--------|--------------|-------|------------|-------------------|--------|
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | |
| Diesel Range Organics (DRO) | 76.3 | 80 | mg/kg | 95 | 55-109 | Q32561 |

| Matrix Spike | | | | | QC Batch ID | |
|------------------------------------|--------|--------------|-------|------------|-------------------|--------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | |
| 213973 Diesel Range Organics (DRO) | 78.0 | 80 | mg/kg | 98 | 50-117 | Q32561 |

| Matrix Spike Duplicate | | | | | QC Batch ID | | | |
|------------------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|--------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | |
| 213973 Diesel Range Organics (DRO) | 68.6 | 80 | mg/kg | 86 | 50-117 | 13 | 0 - 24 | Q32561 |

#-See Case Narrative



Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 249543 • Charlotte, NC 28224-0543
Phone: 704/529-6364 • Fax: 704/529-0409

Client Company Name: URS Corporation

Report To/Contact Name: Matthew Meyers-Lee

Reporting Address: 1600 Peninsula Park Dr. Suite 400

Morrisville, NC 27560

Phone (919) 461-1100 Fax (919) 461-1415

Email (Yes/No) Email Address: Lee.Matthew@URS.com

EDD Type: PDF Excel Other

Site Location Name: Parcel 78

Site Location Physical Address: 320 E King St.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING:

Project Name: ACDOT: BOGAL

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

*Please ATTACH any project specific reporting (QC LEVEL I III IIII)

provisions and/or QC Requirements

Invoice To: Direct Bill: NCDOT

Address: State Project 0-4020

Purchase Order No./Billing Reference: URS Element: 3501511

Requested Due Date 1 Day 2 Days 3 Days 4 Days 5 Days

"Working Days" 6-9 Days Standard 10 days Rush Work Must Be

Pre-Approved

Samples received after 15:00 will be processed next business day.

Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

SAMPLES INTACT UPON ARRIVAL? YES NO N/A

RECEIVED ON WET ICE? Temp 2

PROPER PRESERVATIVES INDICATED?

RECEIVED WITHIN HOLDING TIMES?

CUSTODY/SEALS INTACT?

VOLATILES (SOIL) WITHOUT HEADSPACE?

PROPER CONTAINERS USED?

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC USACE FL NC

SC OTHER N/A

Water Chlorinated: YES NO

Sample Iced Upon Collection: YES NO

| CLIENT SAMPLE DESCRIPTION | DATE COLLECTED | TIME COLLECTED MILITARY HOURS | MATRIX (SOIL, WATER OR SLUDGE) | SAMPLE CONTAINER | | | PRESERVATIVES | ANALYSES REQUESTED | REMARKS | PRISM LAB ID NO. |
|---------------------------|----------------|-------------------------------|--------------------------------|------------------|-----|-----------------|---------------|---|---------|------------------|
| | | | | *TYPE SEE BELOW | NO. | SIZE | | | | |
| P28-17-20 | 5-6-08 | 1415 | Soil | G | 6 | 5-40ml 1-8oz | | 8260 VOC's TRH GRE TRH TRH | | 214070 |
| P28-18-12 | 5-6-08 | 1450 | | G | 6 | | | | | 214071 |
| P28-19-6 | 5-6-08 | 1640 | | | 6 | | | | | 214072 |
| P28-20-2 | 5-6-08 | 1650 | | | 6 | | | | | 214073 |
| P28-21-2 | 5-7-08 | 1700 | | | 3 | 3F40ml | | | | 214074 |
| P28-22-6 | 5-8-08 | 935 | | | 6 | 5-40ml 1-8oz | | | | 214075 |
| P28-23-6 | 5-8-08 | 945 | | | | | | | | 214076 |
| P28-24-6 | 5-8-08 | 955 | | | | | | | | 214077 |
| P28-25-12 | 5-8-08 | 1055 | | | | | | | | 214078 |
| P28-26-2 | 5-8-08 | 1725 | | | | | | | | 214079 |
| P28-26-20 | 5-8-08 | 1140 | | | | | | | | 214080 |

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature: Michael Meese Sampled By (Print Name): Michael Meese Affiliation: URS Corp.

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature) [Signature] Date: 5/8/08 Military/Hours: 1630

Relinquished By: (Signature) [Signature] Date: 5/8/08 Military/Hours: 1200

Relinquished By: (Signature) [Signature] Date: 5/8/08 Military/Hours: 1750

Relinquished By: (Signature) [Signature] Date: 5/8/08 Military/Hours: 1750

Method of Sealing: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST QC UNTIL RECEIVED AT THE LABORATORY.

Additional Comments: 60508310

PRISM USE ONLY

Site Arrival Time: _____ Site Departure Time: _____ Field Tech Fee: _____ Mileage: _____

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL



Case Narrative

Date: 05/27/08
Company: N. C. Department of Transportation
Contact: Martha Meyers-Lee
Address: c/o URS
1600 Perimeter Park Dr. Suite 400
Morrisville, NC 27560

Client Project ID: NCDOT: Boone - Parcel 28
Prism COC Group No: G0508311
Collection Date(s): 05/07/08
Lab Submittal Date(s): 05/09/08

Client Project Name Or No: State Project: U-4020/ 320 E. King

This data package contains the analytical results for the project identified above and includes a Case Narrative, Laboratory Report and Quality Control Data totaling 8 pages. A chain-of-custody is also attached for the samples submitted to Prism for this project.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative. Quality control statements and/or sample specific remarks are included in the sample comments section of the laboratory report for each sample affected.

Semi Volatile Analysis

N/A

Volatile Analysis

No Anomalies Reported

Metals Analysis

N/A

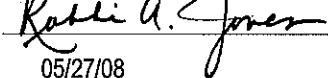
Wet Lab and Micro Analysis

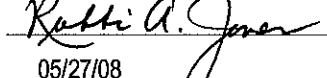
N/A

Please call if you have any questions relating to this analytical report.

Date Reviewed by: Robbi A. Jones

Project Manager: Robbi A. Jones

Signature: 

Signature: 

Review Date: 05/27/08

Approval Date: 05/27/08

Data Qualifiers Key Reference:

- B: Compound also detected in the method blank.
- #: Result outside of the QC limits.
- DO: Compound diluted out.
- E: Estimated concentration, calibration range exceeded.
- J: The analyte was positively identified but the value is estimated below the reporting limit.
- H: Estimated concentration with a high bias.
- L: Estimated concentration with a low bias.
- M: A matrix effect is present.

Notes: This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc. The results in this report relate only to the samples submitted for analysis.



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 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/27/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-17
 Prism Sample ID: 214081
 Project ID: NCDOT: Boone - Parcel
 28 COC Group: G0508311
 Project No.: WBS# 35015.1.1 Time Collected: 05/07/08 17:15
 Sample Matrix: Water Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---|--------|-------|--------------|-------|-----------------|--------|--------------------|----------|----------|
| <u>Volatile Organic Compounds by GC/MS</u> | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,1,1-Trichloroethane | BRL | µg/L | 1.0 | 0.20 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,1,2,2-Tetrachloroethane | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,1,2-Trichloroethane | BRL | µg/L | 1.0 | 0.15 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,1-Dichloroethane | BRL | µg/L | 1.0 | 0.088 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,1-Dichloroethene | BRL | µg/L | 1.0 | 0.095 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,1-Dichloropropene | BRL | µg/L | 1.0 | 0.20 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,2,3-Trichlorobenzene | BRL | µg/L | 2.0 | 0.24 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,2,3-Trichloropropane | BRL | µg/L | 1.0 | 0.17 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,2,4-Trichlorobenzene | BRL | µg/L | 1.0 | 0.22 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,2,4-Trimethylbenzene | BRL | µg/L | 1.0 | 0.16 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,2-Dibromo-3-chloropropane | BRL | µg/L | 2.0 | 1.3 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,2-Dibromoethane (EDB) | BRL | µg/L | 1.0 | 0.14 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,2-Dichlorobenzene | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,2-Dichloroethane | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,2-Dichloropropane | BRL | µg/L | 1.0 | 0.17 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,3,5-Trimethylbenzene | BRL | µg/L | 1.0 | 0.19 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,3-Dichlorobenzene | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,3-Dichloropropane | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 1,4-Dichlorobenzene | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 2,2-Dichloropropane | BRL | µg/L | 2.0 | 0.21 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 2-Chloroethyl vinyl ether | BRL | µg/L | 2.0 | 0.41 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 2-Chlorotoluene | BRL | µg/L | 1.0 | 0.12 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 2-Hexanone | BRL | µg/L | 5.0 | 0.23 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 4-Chlorotoluene | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| 4-Methyl-2-pentanone (MIBK) | BRL | µg/L | 5.0 | 0.46 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Acetone | BRL | µg/L | 10 | 0.44 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/27/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-17
 Project ID: NCDOT: Boone - Parcel Prism Sample ID: 214081
 28 COC Group: G0508311
 Project No.: WBS# 35015.1.1 Time Collected: 05/07/08 17:15
 Sample Matrix: Water Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------------------------|--------|-------|--------------|-------|-----------------|--------|--------------------|----------|----------|
| Acrolein | BRL | µg/L | 100 | 0.54 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Acrylonitrile | BRL | µg/L | 100 | 0.43 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Benzene | BRL | µg/L | 1.0 | 0.094 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Bromobenzene | BRL | µg/L | 1.0 | 0.088 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Bromochloromethane | BRL | µg/L | 1.0 | 0.085 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Bromodichloromethane | BRL | µg/L | 1.0 | 0.15 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Bromoform | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Bromomethane | BRL | µg/L | 3.0 | 0.23 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Carbon disulfide | BRL | µg/L | 5.0 | 0.15 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Carbon tetrachloride | BRL | µg/L | 2.0 | 0.15 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Chlorobenzene | BRL | µg/L | 1.0 | 0.10 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Chlorodibromomethane | BRL | µg/L | 1.0 | 0.20 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Chloroethane | BRL | µg/L | 5.0 | 0.18 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Chloroform | BRL | µg/L | 1.0 | 0.080 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Chloromethane | BRL | µg/L | 2.0 | 0.21 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| cis-1,2-Dichloroethene | 28 | µg/L | 1.0 | 0.12 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| cis-1,3-Dichloropropene | BRL | µg/L | 1.0 | 0.097 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Dibromomethane | BRL | µg/L | 1.0 | 0.14 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Dichlorodifluoromethane | BRL | µg/L | 2.0 | 0.19 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Ethylbenzene | BRL | µg/L | 1.0 | 0.16 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Hexachlorobutadiene | BRL | µg/L | 2.0 | 0.17 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Isopropyl ether (IPE) | BRL | µg/L | 1.0 | 0.079 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Isopropylbenzene | BRL | µg/L | 1.0 | 0.20 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| m,p-Xylenes | BRL | µg/L | 2.0 | 0.33 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Methyl ethyl ketone (MEK) | BRL | µg/L | 5.0 | 0.36 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Methyl t-butyl ether (MTBE) | BRL | µg/L | 1.0 | 0.093 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Methylene chloride | BRL | µg/L | 2.0 | 0.16 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |

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NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Laboratory Report

05/27/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-17
 Prism Sample ID: 214081
 Project ID: NCDOT: Boone - Parcel
 28 COC Group: G0508311
 Project No.: WBS# 35015.1.1 Time Collected: 05/07/08 17:15
 Sample Matrix: Water Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|---------------------------|--------|-------|--------------|------|-----------------|--------|--------------------|----------|----------|
| n-Butylbenzene | BRL | µg/L | 1.0 | 0.21 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| n-Propylbenzene | BRL | µg/L | 1.0 | 0.18 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Naphthalene | BRL | µg/L | 1.0 | 0.19 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| o-Xylene | BRL | µg/L | 1.0 | 0.17 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| p-Isopropyltoluene | BRL | µg/L | 1.0 | 0.21 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| sec-Butylbenzene | BRL | µg/L | 1.0 | 0.16 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Styrene | BRL | µg/L | 1.0 | 0.11 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| tert-Butylbenzene | BRL | µg/L | 1.0 | 0.17 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Tetrachloroethene | 5600 | µg/L | 100 | 17 | 100 | 8260B | 05/17/08 15:48 | erussell | Q32551 |
| Toluene | BRL | µg/L | 1.0 | 0.31 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| trans-1,2-Dichloroethene | 1.2 J | µg/L | 2.0 | 0.12 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| trans-1,3-Dichloropropene | BRL | µg/L | 1.0 | 0.22 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Trichloroethene | 65 | µg/L | 2.0 | 0.19 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Trichlorofluoromethane | BRL | µg/L | 2.0 | 0.21 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Vinyl acetate | BRL | µg/L | 20 | 0.44 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |
| Vinyl chloride | BRL | µg/L | 2.0 | 0.23 | 1 | 8260B | 05/17/08 2:29 | erussell | Q32551 |

| Surrogate | % Recovery | Control Limits |
|----------------------|------------|----------------|
| Toluene-d8 | 84 | 75 - 121 |
| Dibromofluoromethane | 103 | 74 - 133 |
| Bromofluorobenzene | 104 | 69 - 139 |

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NC Certification No. 402
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Laboratory Report

05/27/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St. Client Sample ID: P28-17
 Prism Sample ID: 214081
 Project ID: NCDOT: Boone - Parcel
 28 COC Group: G0508311
 Project No.: WBS# 35015.1.1 Time Collected: 05/07/08 17:15
 Sample Matrix: Water Time Submitted: 05/09/08 14:50

| Parameter | Result | Units | Report Limit | MDL | Dilution Factor | Method | Analysis Date/Time | Analyst | Batch ID |
|-----------|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|
|-----------|--------|-------|--------------|-----|-----------------|--------|--------------------|---------|----------|

Sample Comment(s):

BRL = Below Reporting Limit
J- Estimated value between the Reporting Limit and the MDL
 The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.
 All results are reported on a wet-weight basis

Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
 SC Certification No. 99012
 NC Drinking Water Cert. No. 37735

Level II QC Report

05/27/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0508311
 Date/Time Submitted: 5/9/2008 14:50

Volatile Organic Compounds by GC/MS, method 8260B

| Method Blank | Result | RL | Control Limit | Units | QC Batch ID |
|---------------------------------------|--------|-----|---------------|-------|-------------|
| 1,1,1,2-Tetrachloroethane | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,1,1-Trichloroethane | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,1,2,2-Tetrachloroethane | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 5 | <2.5 | µg/L | Q32551 |
| 1,1,2-Trichloroethane | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,1-Dichloroethane | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,1-Dichloroethene | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,1-Dichloropropene | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,2,3-Trichlorobenzene | ND | 2 | <1 | µg/L | Q32551 |
| 1,2,3-Trichloropropane | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,2,4-Trichlorobenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,2,4-Trimethylbenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,2-Dibromo-3-chloropropane | ND | 2 | <1 | µg/L | Q32551 |
| 1,2-Dibromoethane (EDB) | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,2-Dichlorobenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,2-Dichloroethane | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,2-Dichloropropane | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,3,5-Trimethylbenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,3-Dichlorobenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,3-Dichloropropane | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,4-Dichlorobenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| 1,4-Dichlorobutane | ND | 5 | <2.5 | µg/L | Q32551 |
| 2,2-Dichloropropane | ND | 2 | <1 | µg/L | Q32551 |
| 2-Chloroethyl vinyl ether | ND | 2 | <1 | µg/L | Q32551 |
| 2-Chlorotoluene | ND | 1 | <0.5 | µg/L | Q32551 |
| 2-Hexanone | ND | 2 | <1 | µg/L | Q32551 |
| 4-Chlorotoluene | ND | 1 | <0.5 | µg/L | Q32551 |
| 4-Methyl-2-pentanone (MIBK) | ND | 2 | <1 | µg/L | Q32551 |
| Acetone | ND | 10 | <5 | µg/L | Q32551 |
| Acrolein | ND | 20 | <10 | µg/L | Q32551 |
| Acrylonitrile | ND | 20 | <10 | µg/L | Q32551 |
| Benzene | ND | 0.5 | <0.25 | µg/L | Q32551 |
| Bromobenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| Bromochloromethane | ND | 1 | <0.5 | µg/L | Q32551 |

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Level II QC Report

05/27/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
 c/o URS
 1600 Perimeter Park Dr. Suite 400
 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0508311
 Date/Time Submitted: 5/9/2008 14:50

Method Blank

| | Result | RL | Control Limit | Units | QC Batch ID |
|-----------------------------|--------|----|---------------|-------|-------------|
| Bromodichloromethane | ND | 1 | <0.5 | µg/L | Q32551 |
| Bromoform | ND | 1 | <0.5 | µg/L | Q32551 |
| Bromomethane | ND | 3 | <1.5 | µg/L | Q32551 |
| Carbon disulfide | ND | 2 | <1 | µg/L | Q32551 |
| Carbon tetrachloride | ND | 2 | <1 | µg/L | Q32551 |
| Chlorobenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| Chlorodibromomethane | ND | 1 | <0.5 | µg/L | Q32551 |
| Chloroethane | ND | 5 | <2.5 | µg/L | Q32551 |
| Chloroform | ND | 1 | <0.5 | µg/L | Q32551 |
| Chloromethane | ND | 2 | <1 | µg/L | Q32551 |
| cis-1,2-Dichloroethene | ND | 1 | <0.5 | µg/L | Q32551 |
| cis-1,3-Dichloropropene | ND | 1 | <0.5 | µg/L | Q32551 |
| Dibromomethane | ND | 1 | <0.5 | µg/L | Q32551 |
| Dichlorodifluoromethane | ND | 2 | <1 | µg/L | Q32551 |
| Ethylbenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| Hexachlorobutadiene | ND | 2 | <1 | µg/L | Q32551 |
| Isopropyl ether (IPE) | ND | 1 | <0.5 | µg/L | Q32551 |
| Isopropylbenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| m,p-Xylenes | ND | 2 | <1 | µg/L | Q32551 |
| Methyl ethyl ketone (MEK) | ND | 5 | <2.5 | µg/L | Q32551 |
| Methyl iodide | ND | 5 | <2.5 | µg/L | Q32551 |
| Methyl t-butyl ether (MTBE) | ND | 1 | <0.5 | µg/L | Q32551 |
| Methylene chloride | ND | 2 | <1 | µg/L | Q32551 |
| n-Butylbenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| n-Propylbenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| Naphthalene | ND | 1 | <0.5 | µg/L | Q32551 |
| o-Xylene | ND | 1 | <0.5 | µg/L | Q32551 |
| p-Isopropyltoluene | ND | 1 | <0.5 | µg/L | Q32551 |
| sec-Butylbenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| Styrene | ND | 1 | <0.5 | µg/L | Q32551 |
| tert-Butylbenzene | ND | 1 | <0.5 | µg/L | Q32551 |
| Tetrachloroethene | ND | 1 | <0.5 | µg/L | Q32551 |
| Toluene | ND | 1 | <0.5 | µg/L | Q32551 |
| trans-1,2-Dichloroethene | ND | 2 | <1 | µg/L | Q32551 |
| trans-1,3-Dichloropropene | ND | 1 | <0.5 | µg/L | Q32551 |
| Trichloroethene | ND | 2 | <1 | µg/L | Q32551 |

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Level II QC Report

05/27/08

N. C. Department of Transportation
 Attn: Martha Meyers-Lee
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 Morrisville, NC 27560

Project Name: State Project: U-4020/
 320 E. King St.
 Project ID: NCDOT: Boone - Parcel
 28
 Project No.: WBS# 35015.1.1

COC Group Number: G0508311
 Date/Time Submitted: 5/9/2008 14:50

| Method Blank | | | | | | QC Batch ID |
|------------------------|--------|----|---------------|-------|--|-------------|
| | Result | RL | Control Limit | Units | | |
| Trichlorofluoromethane | ND | 2 | <1 | µg/L | | Q32551 |
| Vinyl acetate | ND | 20 | <10 | µg/L | | Q32551 |
| Vinyl chloride | ND | 2 | <1 | µg/L | | Q32551 |

| Laboratory Control Sample | | | | | | | QC Batch ID |
|---------------------------|--------|--------------|-------|------------|-------------------|--|-------------|
| | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | | |
| 1,1-Dichloroethene | 49.45 | 50 | µg/L | 99 | 62-141 | | Q32551 |
| Benzene | 47.78 | 50 | µg/L | 96 | 70-141 | | Q32551 |
| Chlorobenzene | 49.31 | 50 | µg/L | 99 | 88-120 | | Q32551 |
| Toluene | 49.07 | 50 | µg/L | 98 | 78-130 | | Q32551 |
| Trichloroethene | 52.97 | 50 | µg/L | 106 | 78-124 | | Q32551 |

| Matrix Spike | | | | | | | QC Batch ID |
|---------------------------|--------|--------------|-------|------------|-------------------|--|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | | |
| 213792 1,1-Dichloroethene | 2130.4 | 2000 | µg/L | 107 | 54-140 | | Q32551 |
| Benzene | 2003.2 | 2000 | µg/L | 100 | 62-129 | | Q32551 |
| Chlorobenzene | 1993.6 | 2000 | µg/L | 100 | 64-127 | | Q32551 |
| Toluene | 1901.6 | 2000 | µg/L | 95 | 60-131 | | Q32551 |
| Trichloroethene | 2033.6 | 2000 | µg/L | 100 | 52-128 | | Q32551 |

| Matrix Spike Duplicate | | | | | | | | |
|---------------------------|--------|--------------|-------|------------|-------------------|-------|-------------|-------------|
| Sample ID: | Result | Spike Amount | Units | Recovery % | Recovery Ranges % | RPD % | RPD Range % | QC Batch ID |
| 213792 1,1-Dichloroethene | 2022.8 | 2000 | µg/L | 101 | 54-140 | 5 | 0 - 20 | Q32551 |
| Benzene | 1934.8 | 2000 | µg/L | 97 | 62-129 | 3 | 0 - 19 | Q32551 |
| Chlorobenzene | 1927.2 | 2000 | µg/L | 96 | 64-127 | 3 | 0 - 20 | Q32551 |
| Toluene | 1841.2 | 2000 | µg/L | 92 | 60-131 | 3 | 0 - 21 | Q32551 |
| Trichloroethene | 1951.6 | 2000 | µg/L | 96 | 52-128 | 4 | 0 - 18 | Q32551 |

#-See Case Narrative

