

**PRELIMINARY SITE ASSESSMENT
NEW LIFE FAMILY CENTER PROPERTY
306 EAST ELIZABETH STREET
ELIZABETH CITY, NORTH CAROLINA
STATE PROJECT: U-4438
WBS ELEMENT: 35742.1.1**

Prepared for:

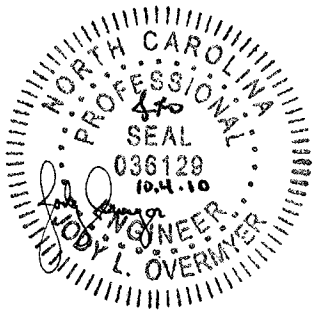
**NC Department of Transportation
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1589 Mail Service Center
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Prepared by:

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Solutions-IES Project No. 3946.10A3.NDOT

September 7, 2010



Jody Overmyer, P.E.
Project Engineer

A handwritten signature in black ink that reads "Sheri L. Knox".

Sheri L. Knox
Senior Project Manager

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1.0 INTRODUCTION

New Life Family Center Property in Pasquotank County is currently a vacant lot located at 306 East Elizabeth Street, Elizabeth City, North Carolina. The location of the property is shown on **Figures 1 and 2**. The North Carolina Department of Transportation (NCDOT) plans to acquire the right-of-way (ROW) at this property to accommodate the widening of Elizabeth Street in downtown Elizabeth City. This report summarizes the results of field and laboratory activities conducted during the Preliminary Site Assessment (PSA) of the subject property. The scope of work executed at the site was performed in general accordance with Solutions-IES proposal NC101099 revised June 16, 2010, and was initiated based on a Notice to Proceed issued by the NCDOT Geotechnical Engineering Unit on June 24, 2010, under contract 7000010453, dated June 25, 2009.

2.0 BACKGROUND AND SITE DESCRIPTION

New Life Family Center owns the vacant property which once operated as a gas station. It is located in the northwest quadrant of East Elizabeth Street and North Martin Street. The tank bed is located approximately 30 feet from North Martin Street and 35 feet from East Elizabeth Street. According to the North Carolina Department of Environment and Natural Resources (NCDENR) underground storage tank (UST) registry, there are no known Facility IDs or Groundwater Incidents associated with this property. The PSA was performed along the ROW and extending to the historic property boundary which stretched west to east along the north side of East Elizabeth Street. Work was not performed in areas outside of the historic property boundary. Photographs of the site are included in **Appendix A**.

3.0 FIELD ACTIVITIES

Prior to mobilizing to the site to conduct work, Solutions-IES contacted North Carolina One Call and contracted Accumark to locate underground utilities at the site. Pyramid Environmental & Engineering, P.C. (Pyramid) was contracted to perform a geophysical survey, and mobilized to the study area July 7 and July 9, 2010. The geophysical investigation consisted of electromagnetic (EM) induction-metal detection surveys using a Geonics EM61-MK1 metal detection instrument and ground penetrating radar (GPR) surveys using a GSSI SIR-2000 unit equipped with a 400 MHz antenna. Results of the survey suggested that the surveyed portion within the ROW and historic property boundary at New Life Family Center Property does contain metallic underground storage tanks (USTs). Images of the EM and GPR findings are included in the geophysical report included as **Appendix B**. After a review of the

geophysical report, Solutions-IES mobilized to the site on August 3, 2010, to collect soil and groundwater samples. Twenty-seven soil borings were advanced using a Geoprobe[®] to a depth of 4 feet below ground surface (ft bgs). The approximate locations of the soil borings are displayed in **Figure 3**. The GPS coordinates of the boring locations are included in **Appendix C**. Three borings (Boring Number 306-1, 306-9 and 306-20) were advanced to a depth of approximately 7.5 feet bgs to install a temporary well.

A Macro-Core[®] sampler fitted with a dedicated polyvinyl chloride (PVC) liner was used to collect a soil sample using the Geoprobe[®]. Because soil recovery in the Macro-Core[®] sampler ranged from 20 to 50 percent, a single soil sample was collected over the 3-foot interval. Each soil sample was split into two aliquots. Each aliquot was placed in a separate resealable plastic bag. One bag was placed on ice for possible laboratory analysis, while the other bag was sealed and placed at ambient temperature for field screening with a flame ionization detector (FID). After approximately 20 minutes to allow accumulation of volatile organic compounds (VOCs) in the headspace of the bag, each sealed bag was scanned with the FID. The FID measurements were entered into the field logbook along with the soil description and any indications of staining or odor. That information was subsequently transferred onto boring logs. The boring logs are provided in **Appendix D** and the field screening results are summarized in **Table 1**. The field screening results are also shown on the boring logs.

The subsurface at the site generally consisted of brown to gray silty sand and gravel (Unified Soil Classification SM to SP and GP). The depth to groundwater was measured at approximately 3 to 4 ft bgs in a representative bore hole by lowering a decontaminated water level probe into the borehole soon after the boring was opened.

Table 1 shows the FID field screening results of the soils ranged from not detected to 6,218 parts per million (ppm). One soil sample was prepared from each boring over the 0 to 3 ft interval. Each collected sample was placed in laboratory-supplied jars and stored on ice pending courier service to Prism Laboratories in Charlotte, NC. Sample information was recorded on the chain-of-custody form. The soil samples collected at the site were analyzed using the following analytical methods: total petroleum hydrocarbons gasoline range organics and diesel range organics (TPH GRO/DRO) by EPA Methods 5035/3545/8015.

Due to the shallow water table, three temporary groundwater monitoring wells were installed and sampled. Upon completion of the borings 306-1, 306-9 and 306-20, a 5-foot section of 1-inch diameter

PVC slotted well screen, joined with an approximate 3-foot section of 1-inch diameter PVC riser, was introduced into the boring. Natural formation caved in around the well screen to approximately 4 ft bgs. Washed #2 well sand was introduced into the annulus of the boring, forming a sand pack around the screen from the top of the natural formation to within 1.5-foot of surface grade. The temporary wells were allowed to equilibrate for approximately 30 minutes before sampling and promptly abandoned once sampling was complete. **Appendix D** contains boring logs 306-1, 306-9 and 306-20 and well construction information. The stabilized water level was measured at 3.35, 4.25, and 3.10 feet bgs in 306-1, 306-9 and 306-20 temporary monitoring wells, respectively. The well was then sampled with a peristaltic pump, utilizing 3/8-inch diameter disposable polyethylene tubing. Prior to sample collection field parameters for pH, temperature, dissolved oxygen (DO), oxidation-reduction potential (ORP), turbidity and conductivity were allowed to stabilize then recorded. Groundwater samples obtained from the wells were submitted for laboratory analysis of VOCs by EPA Methods 8260 and semivolatile organic compounds (SVOCs) by EPA Method 8270. Samples were placed in laboratory-supplied jars then stored on ice pending courier service to Prism Laboratories in Charlotte, NC. Sample information was recorded on the chain-of-custody form.

4.0 LABORATORY RESULTS

The laboratory analytical results from samples collected at the New Life Family Center Property indicate the presence of TPH (GRO and DRO) in soil and VOCs in groundwater at concentrations above the laboratory reporting limits. Specifically, TPH (GRO) was detected at concentrations above the NCDENR action level¹ for tank closure screening of 10 milligrams per kilogram (mg/kg) in 6 of the 27 borings. TPH (DRO) was detected at concentrations above the NCDENR action level in 10 of the 27 borings. The analytical results for soil are summarized in **Table 2**, and the laboratory report is included in **Appendix E**.

Benzene was detected at concentrations above the NCAC 15A 2L.0200 (NC 2L) groundwater standard² of 1 microgram per liter (µg/L) in groundwater samples collected from temporary wells 306-9 and 306-20. Methyl ethyl ketone and methyl *tert*-butyl ether (MTBE) were also identified above their respective

¹ *UST Section Guidelines Site Checks, Tank Closure, and Initial Response and Abatement (NCDENR, Division of Waste Management [DWM], UST Section, March 1, 2007; Version; Change 3, Effective December 1, 2008)*

² *North Carolina Administrative Code Title 15A DENR Division of Water Quality (DWQ) Subchapter 2L Classifications and Water Quality Standards Applicable to the Groundwaters of North Carolina (Last Amended on January 1, 2010)*

NC 2L groundwater standards of 0.004 and 20 µg/L in the groundwater sample from well 306-20. SVOCs were not detected above the laboratory reporting limit in any groundwater sample. The analytical results for groundwater are summarized in **Table 3**.

5.0 DISCUSSION/CONCLUSIONS

The geophysical survey conducted at the site suggested that buried metallic objects such as a UST are present within the surveyed portion of the proposed ROW to the historic property boundary. Solutions-IES advanced 27 soil borings at the study area to a depth of 4 ft bgs. Three borings were further advanced to a depth of 8 ft bgs for the installation of temporary wells.

The highest FID readings measured ranged from 150.1 to 6,218 ppm in 14 of the 27 borings. Soil samples from 12 of the 27 borings (306-3 through 306-5, 306-16, 306-17, 306-19 through 306-24 and 306-26) indicate the presence of TPH (GRO and/or DRO) in excess of the NCDENR action level. Groundwater samples from two of the three temporary wells indicated the presence of VOCs in excess of the NC 2L groundwater standards.

The areal extent of TPH contamination defined in soil within the study area is illustrated in **Figure 3**; contamination is estimated to extend to 3 ft bgs. The approximate total volume of soil with contaminants of concern in excess of the NCDENR action levels within the study area at New Life Family Center Property is estimated at 600 bank cubic yards. Note that Solutions-IES attempted to identify the extent of unsaturated soil contamination. However, given local tidal fluctuations, it is possible that much of the soil has been in contact with groundwater and impacted with contaminants that may be present in groundwater. From the base drawing provided by NCDOT, it appears road construction is planned in the vicinity of the borings advanced by Solutions-IES. Potential residual groundwater contamination may be encountered and impacted soil may be excavated during construction activities performed by NCDOT. Therefore, Solutions-IES recommends that NCDOT be prepared to monitor, transport, and dispose of impacted soil during construction activities and also consider exposure of workers to impacted soil and groundwater. Additional assessment would be necessary to confirm the source of the contamination in soil and groundwater.

TABLES

TABLE 1
Summary of Field Screening Results for Soil
New Life Family Center Property
306 E. Elizabeth Street
Elizabeth City, North Carolina
WBS Element: 35742.1.1; State Project: U-4438
Sample Collection Date: August 3, 2010

Sample Depth Below Ground Surface	Soil Boring								
	306-1	306-2	306-3	306-4	306-5	306-6	306-7	306-8	306-9
	FID Reading (ppm)								
0 - 3 feet	0.0	1,014	53.6	170.3	55.8	0.0	0.0	0.0	0.0

Sample Depth Below Ground Surface	Soil Boring								
	306-10	306-11	306-12	306-13	306-14	306-15	306-16	306-17	306-18
	FID Reading (ppm)								
0 - 3 feet	0.0	0.0	0.0	223.7	434	884.9	0.0	163.6	0.0

Sample Depth Below Ground Surface	Soil Boring								
	306-19	306-20	306-21	306-22	306-23	306-24	306-25	306-26	306-27
	FID Reading (ppm)								
0 - 3 feet	45.7	1,300	6,218	980.6	150.1	279.5	289.7	405.2	409.1

Notes:

FID readings were obtained with a Photovac MicroFID Flame Ionization Detector.
 ppm = parts per million

TABLE 2
Summary of Soil Analytical Results
New Life Family Center Property
306 E. Elizabeth Street
Elizabeth City, North Carolina
WBS Element: 35742.1.1; State Project: U-4438
Sample Collection Date: August 3, 2010

Sample Information		Total Petroleum Hydrocarbons	
Boring Number	Depth (ft bgs)	Gasoline Range ¹ (mg/kg)	Diesel Range ² (mg/kg)
306-1	0-3	<5.0	<8.2
306-2	0-3	<4.4	<8.6
306-3	0-3	14	28
306-4	0-3	<3.9	12
306-5	0-3	11	28
306-6	0-3	<4.6	<8.0
306-7	0-3	<4.2	<7.7
306-8	0-3	<4.5	<7.7
306-9	0-3	<4.3	<7.7
306-10	0-3	<4.0	<7.6
306-11	0-3	<4.8	<7.9
306-12	0-3	<5.1	<7.5
306-13	0-3	<5.0	<9.2
306-14	0-3	<5.1	<9.6
306-15	0-3	7.1	<8.8
306-16	0-3	<5.1	84
306-17	0-3	8.9	54
306-18	0-3	<5.3	<9.4
306-19	0-3	19	<8.8
306-20	0-3	140	55
306-21	0-3	5,500	190
306-22	0-3	<5.9	180
306-23	0-3	<3.9	36
306-24	0-3	<4.9	19
306-25	0-3	<3.9	<8.1
306-26	0-3	12	<8.6
306-27	0-3	<4.1	<8.2
Action Level		10	10

Notes:

1. Total Petroleum Hydrocarbons (TPH) Method 5035/8015MOD - Gasoline Range Hydrocarbons
 2. Total Petroleum Hydrocarbons (TPH) Method 3545/8015MOD - Diesel Range Hydrocarbons
- ft bgs = feet below ground surface
mg/kg = milligram per kilogram
Bold indicates value exceeds laboratory reporting limit.
Shaded values exceed NCDENR action level.

TABLE 3
Summary of Groundwater Analytical Results
New Life Family Center Property
306 E. Elizabeth Street
Elizabeth City, North Carolina
WBS Element: 35742.1.1; State Project: U-4438
Sample Collection Date: August 3, 2010

Sample Information		VOCs (µg/L) (8260)														SVOCs (µg/L) (8270)
Sample ID	Sample Date	Benzene	Ethylbenzene	Isopropyl Ether	Isopropylbenzene	Methyl Ethyl Ketone (2-Butanone)	Methyl <i>tert</i> -Butyl Ether	Naphthalene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	All Analytes
306-1	8/3/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	BRL
306-9	8/3/2010	180	12	5.9	0.91 J	<5.0	16	<1.0	<1.0	0.64 J	<1.0	10	6.9	1.9	65	
306-20	8/3/2010	3.6	8.6	7.7	12	4.2 J	37	3.6	2.2	25	2.0	2.7	1.5	0.64 J	2.88 J	
NC 2L Groundwater Quality Standards		1	600	70	70	0.004	20	6	70	70	70	600	400	400	500	NA

Notes:

VOCs = Volatile organic compounds by EPA Method 8260

SVOCs = Semivolatile organic compounds by EPA Method 8270

µg/L = Micrograms per liter

BRL = Below laboratory reporting limits

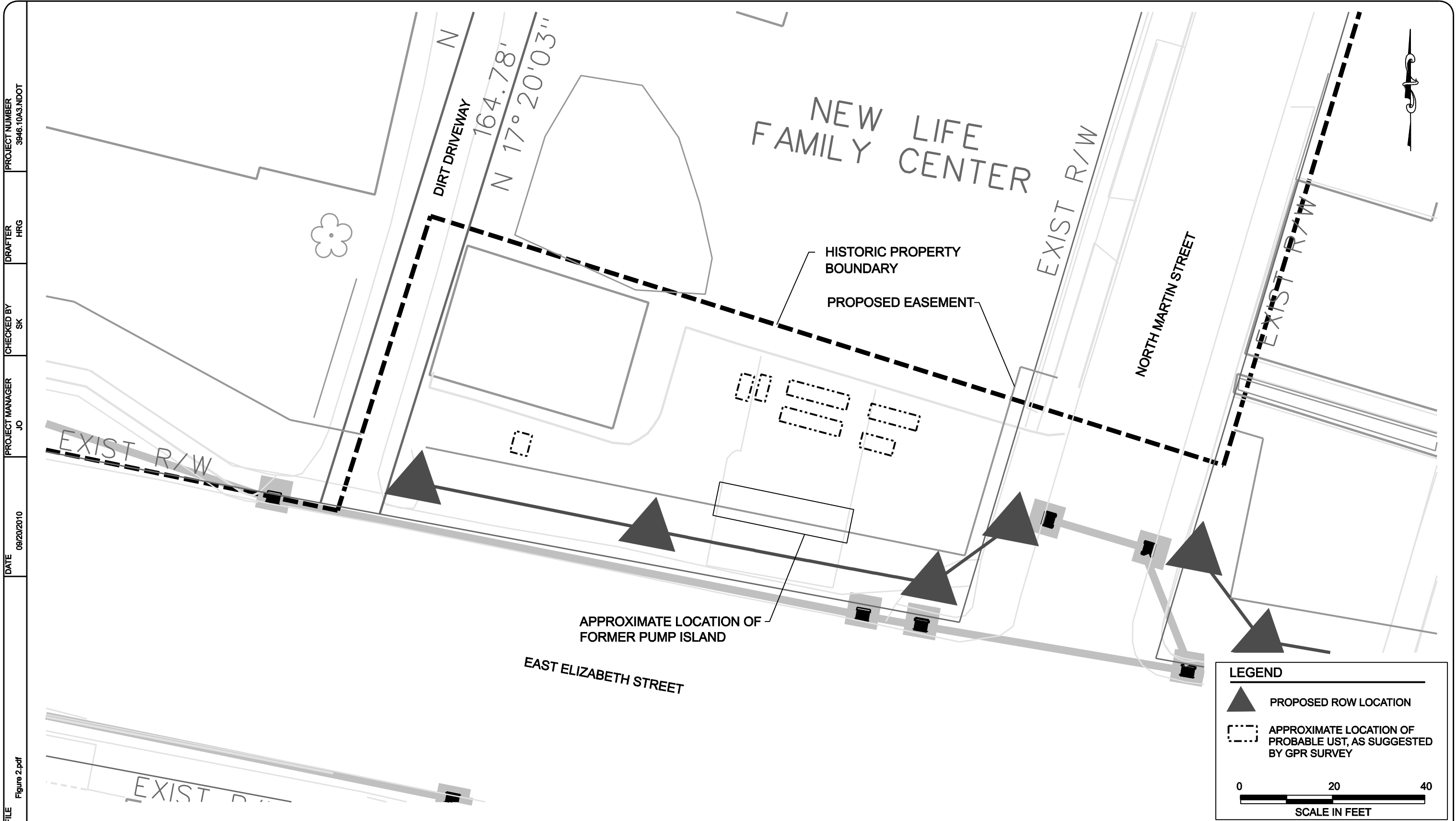
J = The analyte was positively identified but the value is estimated below the reporting limit

Bold indicates value exceeds laboratory reporting limit.

Shaded values exceed NC 2L Groundwater Quality Standards (January, 2010).

NA = Not applicable

FIGURES



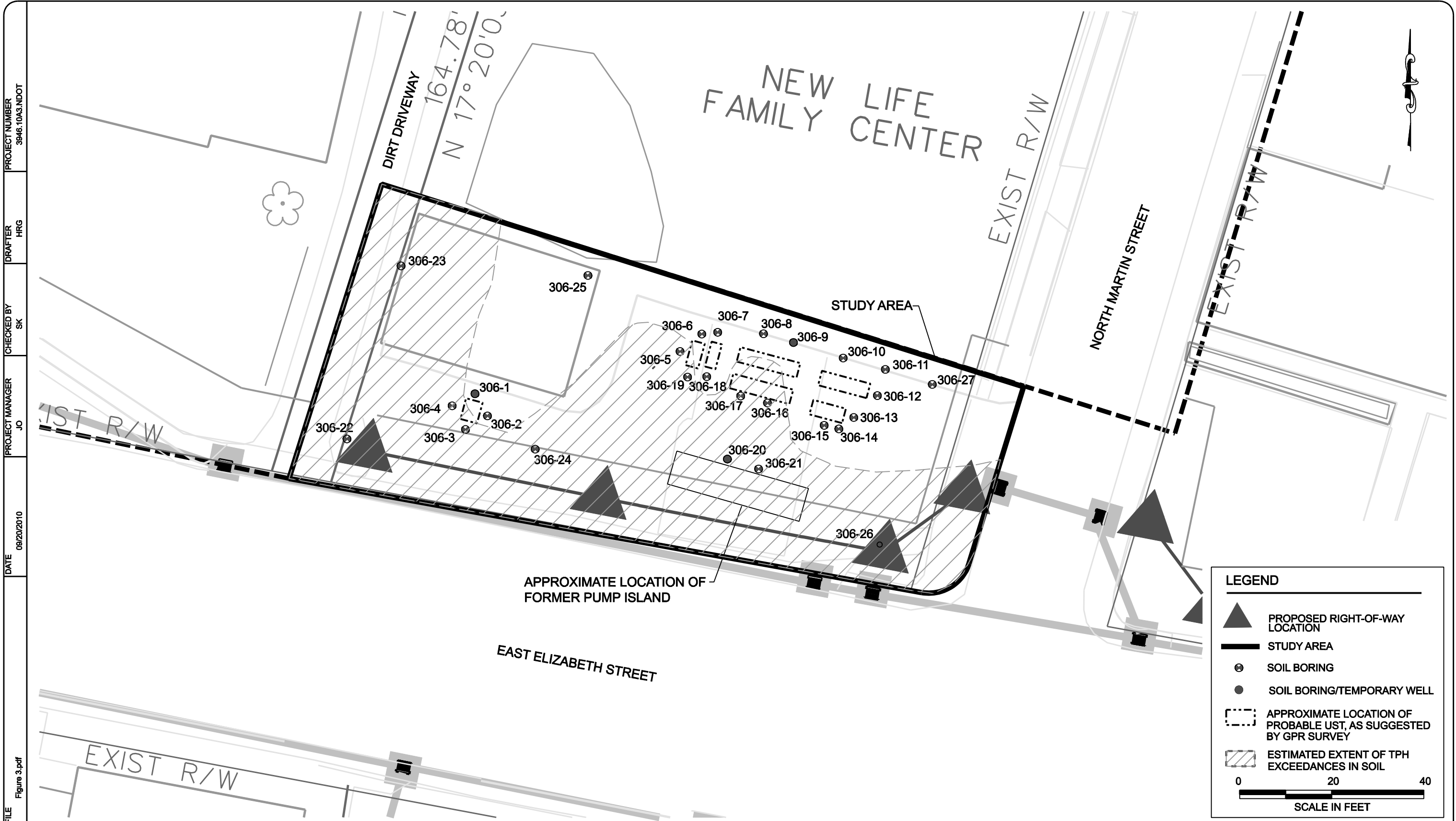
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 DRAFTER HRG
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 PROJECT MANAGER JO
 DATE 08/20/2010
 FILE Figure 2.pdf

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NEW LIFE FAMILY CENTER PROPERTY
 306 EAST ELIZABETH STREET
 ELIZABETH CITY, NORTH CAROLINA
 STATE PROJECT: U-4438
 WBS ELEMENT: 35742.1.1

SITE MAP

FIGURE:
2



PROJECT NUMBER 3946.10A3.NDOT
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APPENDIX A
PHOTOGRAPHS

Appendix A - Photographs



Photograph 1 – View of vacant lot and tank bed, looking northeast from East Elizabeth Street.



Photograph 2 – View of vacant lot and East Elizabeth Street on north side of New Life Family Center Property looking south.

Appendix A - Photographs



Photograph 3 – View of vacant lot and tank bed on east side of New Life Family Center Property, looking west.

APPENDIX B
GEOPHYSICAL REPORT

GEOPHYSICAL INVESTIGATION REPORT

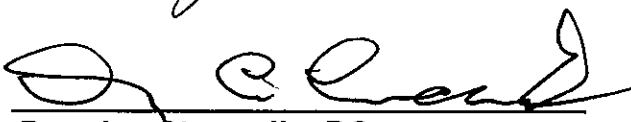
EM61 & GPR SURVEYS

306 EAST ELIZABETH STREET SITE
Elizabeth City, North Carolina

August 18, 2010

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Solutions-IES
GEOPHYSICAL INVESTIGATION REPORT
306 ELIZABETH STREET SITE
Elizabeth City, North Carolina

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Figure 2	Geophysical Survey Line Locations
Figure 3	EM61 Metal Detection – Bottom Coil Results
Figure 4	EM61 Metal Detection – Differential Results
Figure 5	Images of GPR Survey Lines X=140 & X=125
Figure 6	Images of GPR Survey Lines X=65 & Y=35

1.0 INTRODUCTION

Pyramid Environmental conducted geophysical investigations for Solutions-IES across the proposed Right-of-Way (ROW) portion of the 306 East Elizabeth Street site located in Elizabeth City, North Carolina. The site is owned by the New Life Family Center and consists of an open, flat-lying grass field in the northern portion of the property and asphalt and concrete paved surfaces in the southern portion of the site. The property is bordered by East Elizabeth Street and Martin Street to the south and east, respectively with a vacant school and residential property lying immediately west and north of the site, respectively.

Conducted on July 7 and 9, 2010 the geophysical investigation was performed as part of the North Carolina Department of Transportation (NCDOT) preliminary site assessment project to determine if unknown, metallic underground storage tanks (UST's) were present beneath the area of interest at the 306 East Elizabeth Street site. Solutions-IES representative, Ms. Jody Overmyer, P.G. provided site maps that identified the geophysical survey area perimeter to Pyramid Environmental personnel. The survey area covered the southern, asphalt and concrete-paved portion of the property and has a maximum length and width of 140 feet and 70 feet, respectively. Photographs of the geophysical equipment used in this investigation and the geophysical survey area at the 306 East Elizabeth Street site are shown in **Figure 1**.

2.0 FIELD METHODOLOGY

Prior to conducting the geophysical investigation, a 10-foot by 10-foot survey grid was established across the geophysical survey area using measuring tapes and water-based marking paint. These grid marks were used as X-Y coordinates for location control when collecting the geophysical data and establishing base maps for the geophysical results.

The geophysical investigation consisted of electromagnetic (EM) induction-metal detection surveys and ground penetrating radar (GPR) surveys. The EM survey was performed on July 7, 2010 using a Geonics EM61-MK1 metal detection instrument. According to the instrument specifications, the

EM61 can detect a metal drum down to a maximum depth of approximately 8 feet. Smaller objects (1-foot or less in size) can be detected to a maximum depth of 4 to 5 feet. All of the EM61 data were digitally collected at approximately 0.8 foot intervals along northerly-southerly, parallel survey lines spaced five feet apart. All of the data were downloaded to a computer and reviewed in the field and office using the Geonics DAT61W and Surfer for Windows Version 7.0 software programs.

GPR surveys were conducted on July 9, 2010 across a significant portion of the site using a GSSI SIR-2000 unit equipped with a 400 MHz antenna. Data were digitally collected in a continuous mode along X-axis and/or Y-axis survey lines, spaced 5.0 feet apart using a vertical scan of 512 samples, at a rate of 48 scans per second. A 70 MHz high pass filter and an 800 MHz low pass filter were used during data acquisition with the 400 MHz antenna. GPR data were collected down to a maximum depth of approximately 5 feet, based on an estimated two-way travel time of 8 nanoseconds per foot. All of the GPR data were downloaded to a field computer and reviewed in the field and office using Radprint software.

Locations of the EM61 metal detection survey lines and the GPR survey lines acquired across the geophysical survey area are shown as red dots and purple lines, respectively in **Figure 2**. Each red dot represents an EM61 data point.

Contour plots of the EM61 bottom coil and differential results are presented in **Figures 3 and 4**, respectively. The bottom coil results represent the most sensitive component of the EM61 instrument and detect metal objects regardless of size. The bottom coil response can be used to delineate metal conduits or utility lines, small, isolated metal objects, and areas containing insignificant metal debris. The differential results are obtained from the difference between the top and bottom coils of the EM61 instrument. The differential results focus on the larger metal objects such as drum and UST-size objects and ignore the smaller insignificant metal objects.

Preliminary contour plots of the EM61 bottom coil and EM61 differential results obtained from the survey area were emailed to Ms. Overmyer on July 19, 2010.

3.0 DISCUSSION OF RESULTS

The linear, EM61 bottom coil anomalies intersecting grid coordinates X=108 Y=80, X=162 Y=43, X=170 Y=66, and X=174 Y=43 are probably in response to buried utility lines or conduits. Similarly, GPR data suggest the linear, high-amplitude bottom coil anomalies intersecting grid coordinates X=52 Y=40, X=60 Y=45, X=80 Y=80, X=75 Y=55, X=99 Y=80, and X=150 Y=25 are also in response to buried utility lines or conduits.

GPR data suggest the large differential anomaly centered near grid coordinates X=125 Y=50 is in response to steel reinforced concrete across the southern portion of the anomaly and steel reinforced concrete and six probable USTs across the northern portion of the anomaly. GPR data suggest the six probable USTs are buried approximately 1.5 to 2.2 feet below the concrete surface and have visible UST valve covers. The following is a summary of the six probable USTs, as suggest by the GPR results.

<u>Location</u>	<u>Size</u>	<u>Depth</u>	<u>Orientation</u>
X=107 Y=60	6' x 3.0'	2.0'	North-South
X=111 Y=61	6' x 2.5'	2.0'	North-South
X=124 Y=57	15' x 3.5'	2.0'	East-West
X=124 Y=63	15' x 3.5'	2.0'	East-West
X=139 Y=57	8' x 3.5'	1.5'	East-West
X=141 Y=63	12' x 3.5'	2.2'	East-West

The striped white rectangles in Figures 3 and 4 represent the approximate foot prints of the probable USTs. Images of GPR survey lines X=125 and X=140 which cross four of the probable USTs along with a photograph showing the location of the six USTs are presented in **Figure 5**.

GPR data suggest the EM61 differential anomaly centered near grid coordinates X=64 Y=30 is in response to a probable seventh UST buried approximately 3.8 feet below the asphalt pavement. The probable UST is centered near grid coordinates X=64 Y=34 and located immediately north of a UST

valve cover. Based on the GPR data, the probable UST appears to be 5 feet long and 3 feet wide and oriented in a north-south direction. Images of GPR survey lines X=65 and X=35 which cross the probable UST along with a photograph showing the location of the UST are presented in **Figure 6**. The foot prints of each of the detected USTs were marked in the field with orange marking paint.

The remaining EM61 anomalies are probably in response to known surface objects or to buried miscellaneous, metallic objects or debris.

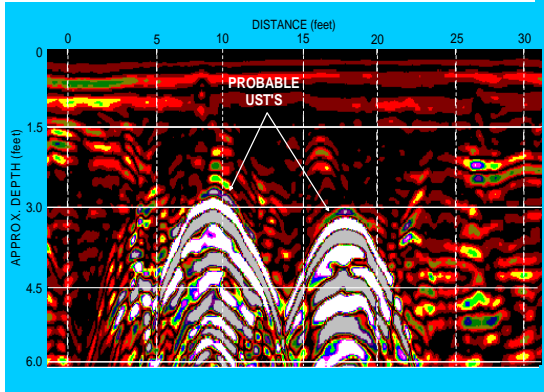
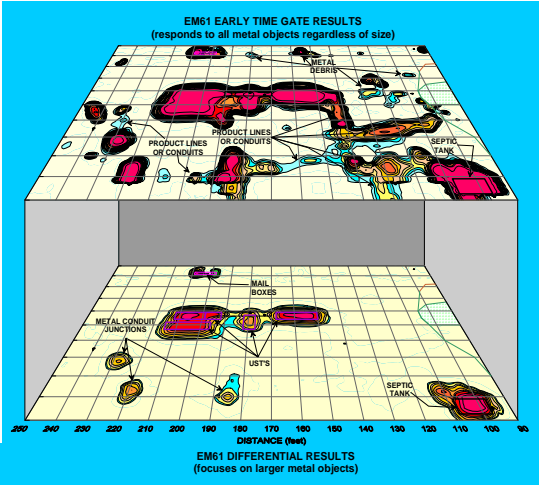
4.0 SUMMARY & CONCLUSIONS

Our evaluation of the EM61 and GPR data collected across the proposed ROW area at the 306 East Elizabeth Street site located in Elizabeth City, North Carolina, provides the following summary and conclusions:

- The EM61 and GPR surveys provided reliable results for the detection of metallic USTs within the surveyed portion of the site.
- The linear, EM61 bottom coil anomalies intersecting grid coordinates X=108 Y=80, X=162 Y=43, X=170 Y=66, X=174 Y=43, X=52 Y=40, X=60 Y=45, X=80 Y=80, X=75 Y=55, X=99 Y=80, and X=150 Y=25 are probably in response to buried utility lines or conduits.
- GPR data suggest the large differential anomaly centered near grid coordinates X=125 Y=50 is in response to steel reinforced concrete across the southern portion of the anomaly and steel reinforced concrete and six probable USTs across the northern portion of the anomaly.
- GPR data suggest the EM61 differential anomaly centered near grid coordinates X=64 Y=30 is in response to a probable UST buried approximately 3.8 feet below the asphalt pavement. The probable UST is centered near grid coordinates X=64 Y=34 and located immediately north of a UST valve cover.

5.0 LIMITATIONS

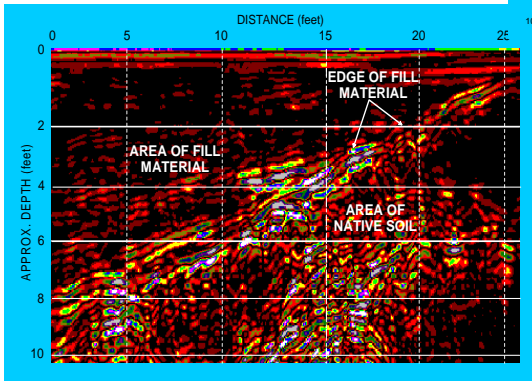
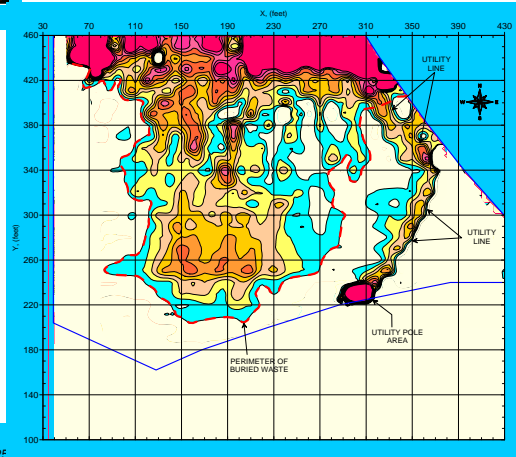
EM61 and GPR surveys have been performed and this report prepared for Solutions-IES in accordance with generally accepted guidelines for EM61 and GPR surveys. It is generally recognized that the results of the EM61 and GPR are non-unique and may not represent actual subsurface conditions. The EM61 and GPR results do not conclusively determine that all of the metallic USTs were found on this site but that seven probable USTs were detected within the surveyed portion of the site.



FIGURES

(on the following pages)

Figures shown on this page are for esthetic purposes only and are not related to the geophysical results discussed in this report.



The photograph shows the Geonics EM61 metal detector that was used to conduct the metal detection survey across the 306 East Elizabeth Street site (New Life Family Center property) on July 7, 2010.



The photographs show the SIR-2000 GPR system equipped with a 400 MHz antenna that were used to conduct the ground penetrating radar investigation at the 306 East Elizabeth Street site on July 9, 2010.

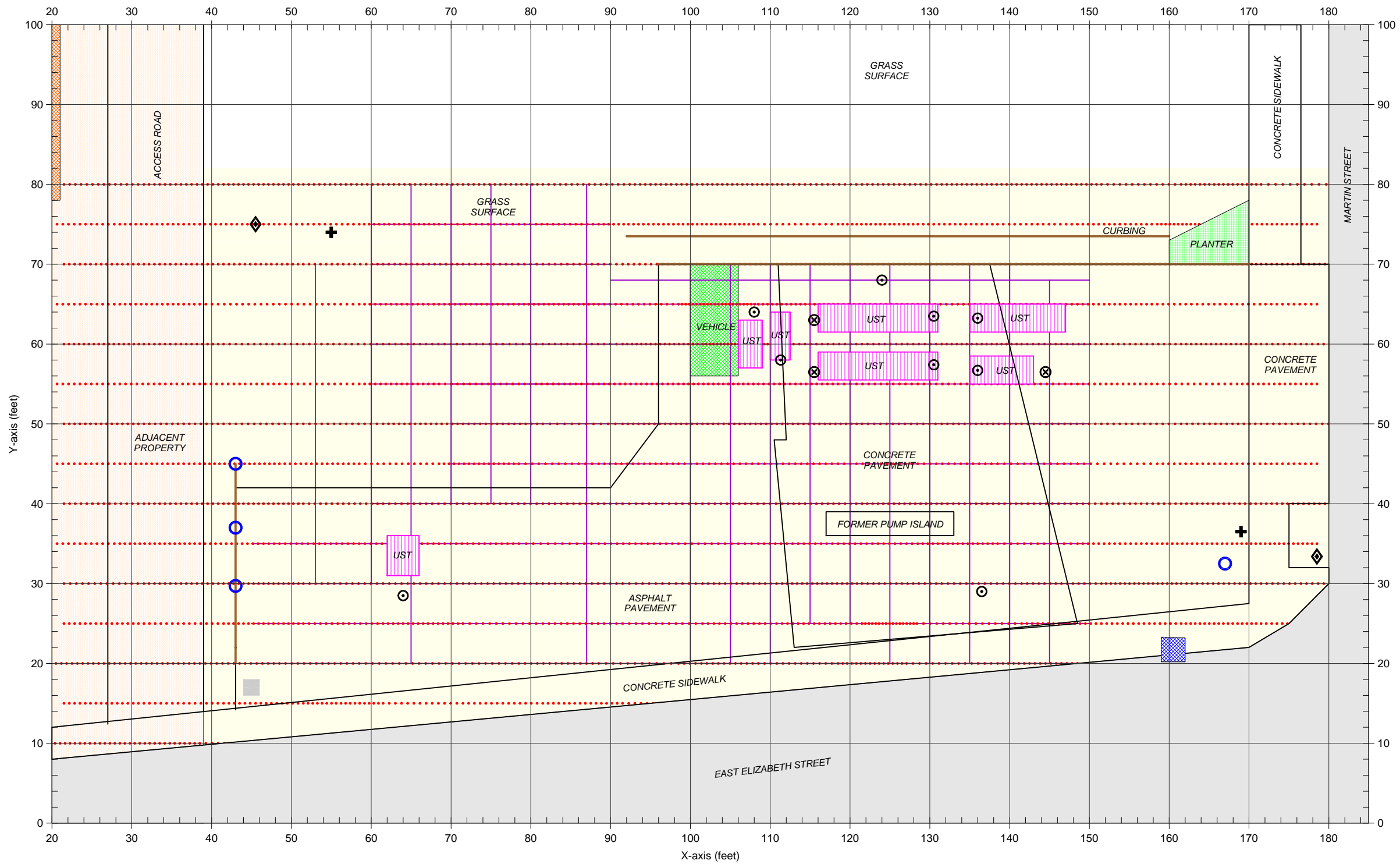


The photograph shows the 306 East Elizabeth Street site (New Life Family Center property) located at the intersection of East Elizabeth Street and North Main Street in Elizabeth City, North Carolina. The photograph is viewed in a northerly direction.



CLIENT	SOLUTIONS-IES		DATE	08/16/10	BY	MJD
SITE	306 EAST ELIZABETH STREET SITE		LAY		OPND	
CITY	ELIZABETH CITY	STATE	NORTH CAROLINA	ENG		
TITLE	GEOPHYSICAL RESULTS		NO	2010-159	PROJ	

GEOPHYSICAL EQUIPMENT & SITE PHOTOGRAPHS



LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- BUILDING
- CONCRETE SUPPORT ABUTMENT
- CONCRETE CURBING
- BOLLARD
- + GUY WIRE
- ⬮ ROAD SIGN
- STORM SEWER GRATE
- UST VALVE COVER
- ◇ UTILITY POLE
- VEHICLE
- ⊗ MANHOLE COVER
- PROBABLE UST, AS SUGGESTED BY GPR DATA
- EM61 METAL DETECTION SURVEY LINE
- GPR SURVEY LINE

Note: The map shows the geophysical survey area at the 306 East Elizabeth Street site (New Life Family Center property). The red dots represent the EM61 metal detection survey lines that were acquired on July 7, 2010 using a Geonics EM61 metal detection instrument. Each dot represents an EM61 data point.

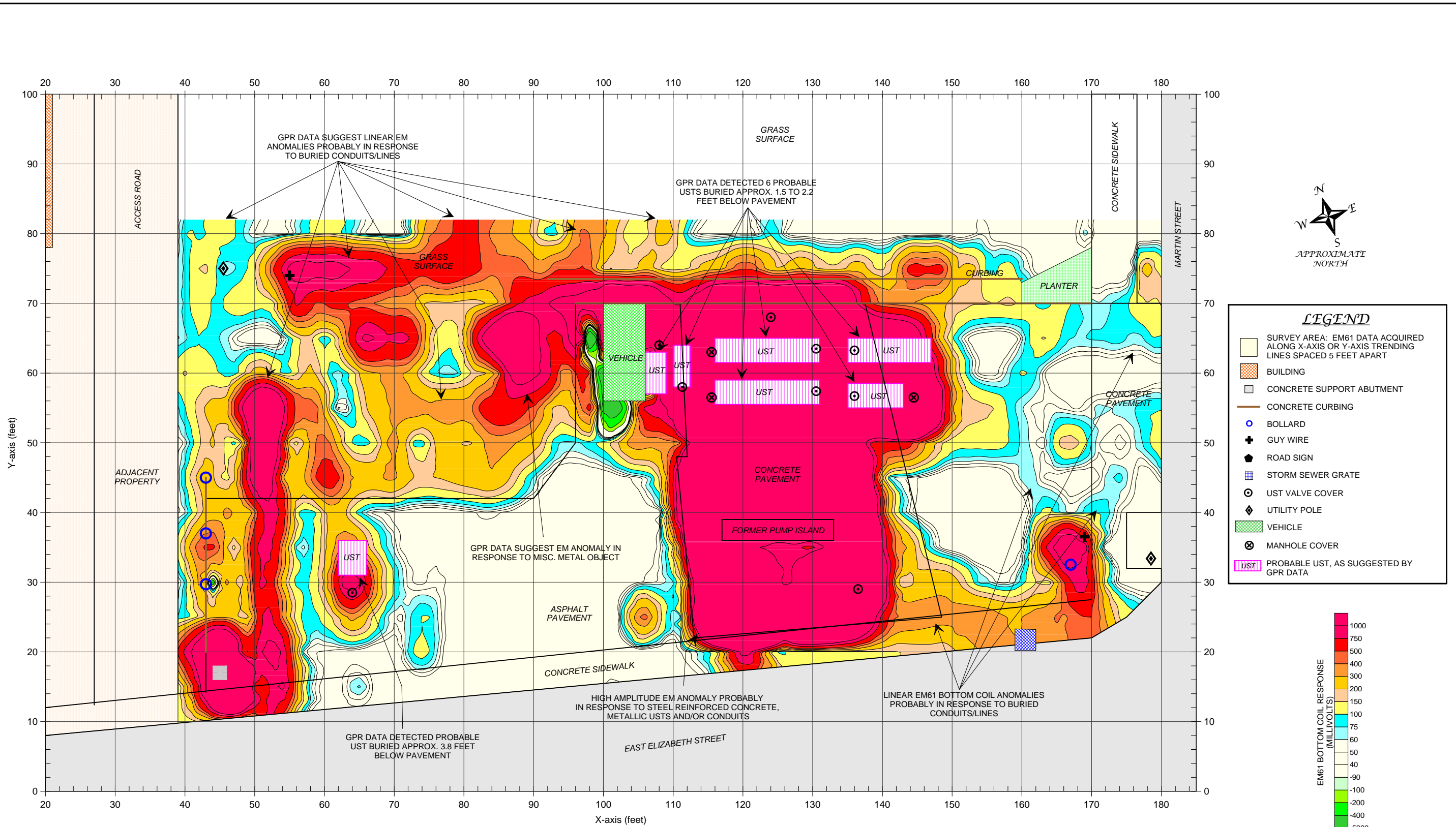
The solid purple lines represent the GPR survey lines. The GPR investigation was conducted on July 9, 2010 using a Geophysical Survey Systems SIR-2000 unit with a 400 MHz antenna.

GEOPHYSICAL SURVEY LINE LOCATIONS

FIGURE 2

CLIENT	SOLUTIONS-IES	DATE	MJD	DRAWN	FIGURE
306 EAST ELIZABETH STREET SITE		08/17/10			
CITY	STATE	DWG	LAY	NO.	FIGURE
ELIZABETH CITY	NORTH CAROLINA			2010-159	
TITLE	GEOPHYSICAL RESULTS				

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.



The contour plot shows the bottom coil (most sensitive) response of the EM61 instrument in millivolts (mV). The bottom coil response shows buried metallic objects regardless of size. The EM metal detection data were collected on July 7, 2010 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on July 9, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

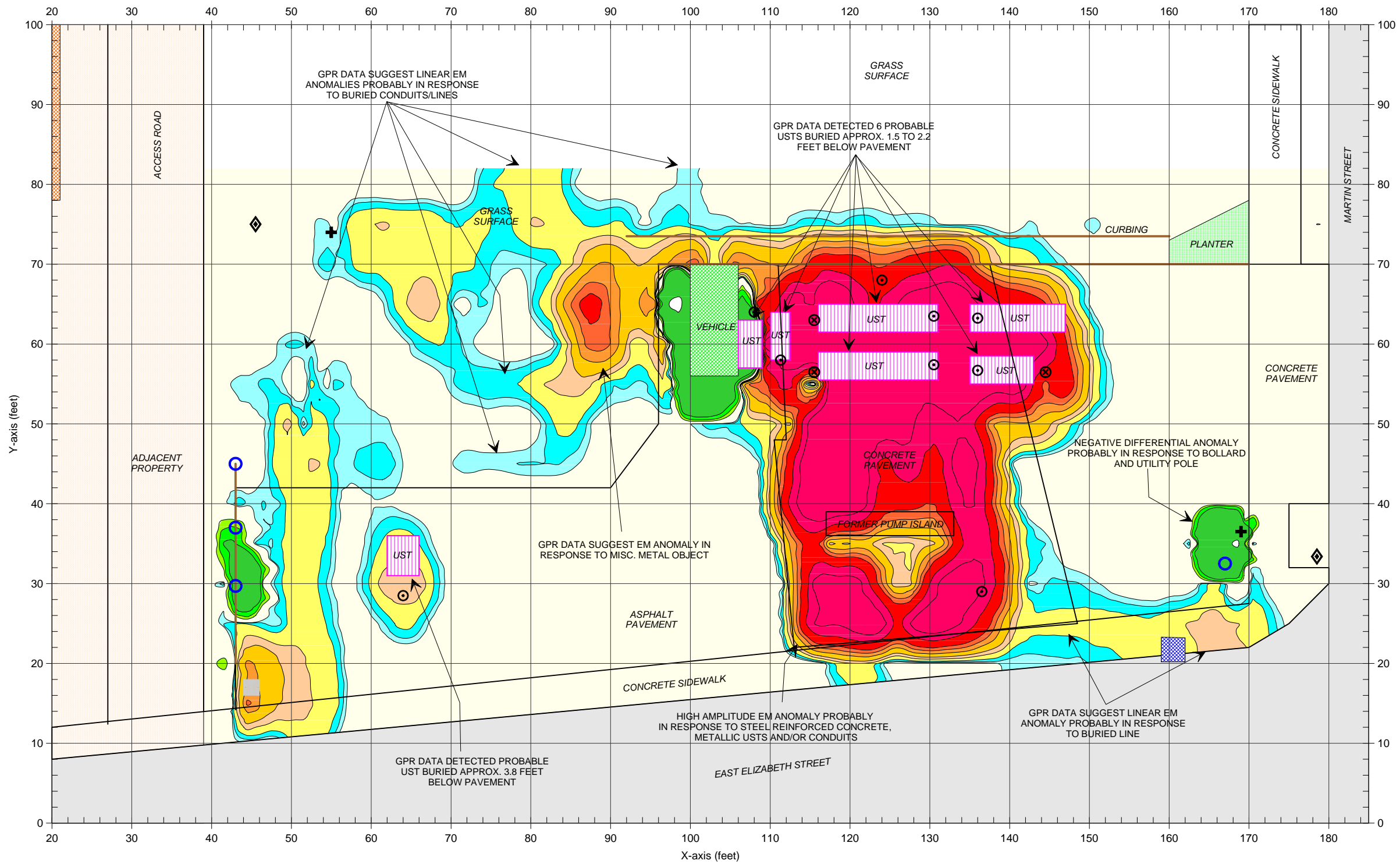
The geophysical investigation suggests the presence of 7 probable metallic USTs within the surveyed portion of the site.

EM61 METAL DETECTION (BOTTOM COIL RESULTS)

FIGURE 3

CLIENT	SOLUTIONS-IES	DATE	08/17/10	DRAWN	MJD
SITE	306 EAST ELIZABETH STREET SITE	LAY		CHKD	
CITY	ELIZABETH CITY	DWG		FIGURE	2010-159
STATE	NORTH CAROLINA	TITLE			
GEOPHYSICAL RESULTS					

PYRAMID
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Note: The contour plot shows the differential response between the bottom and top coils of the EM61 instrument in millivolts (mV). The differential response focuses on larger, buried metallic objects such as drums and USTs and ignores smaller miscellaneous, buried, metal debris. The EM61 data were collected on July 7, 2010 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on July 9, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

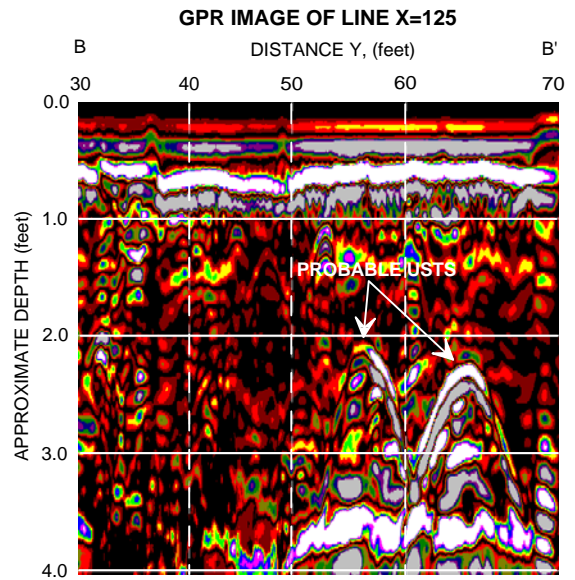
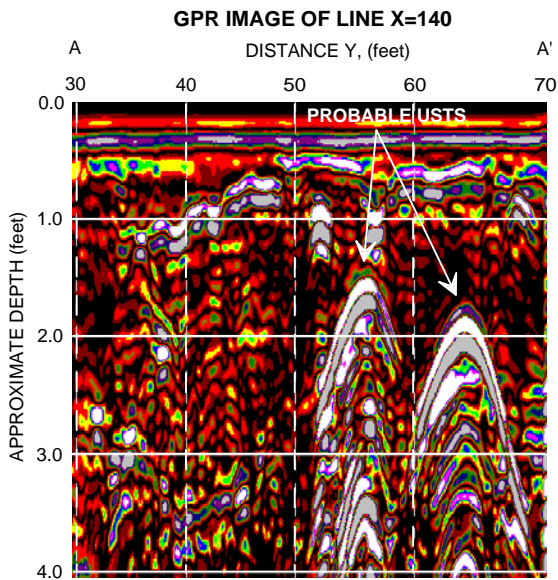
The geophysical investigation suggests the presence of 7 probable metallic USTs within the surveyed portion of the site.

EM61 METAL DETECTION (DIFFERENTIAL RESULTS)

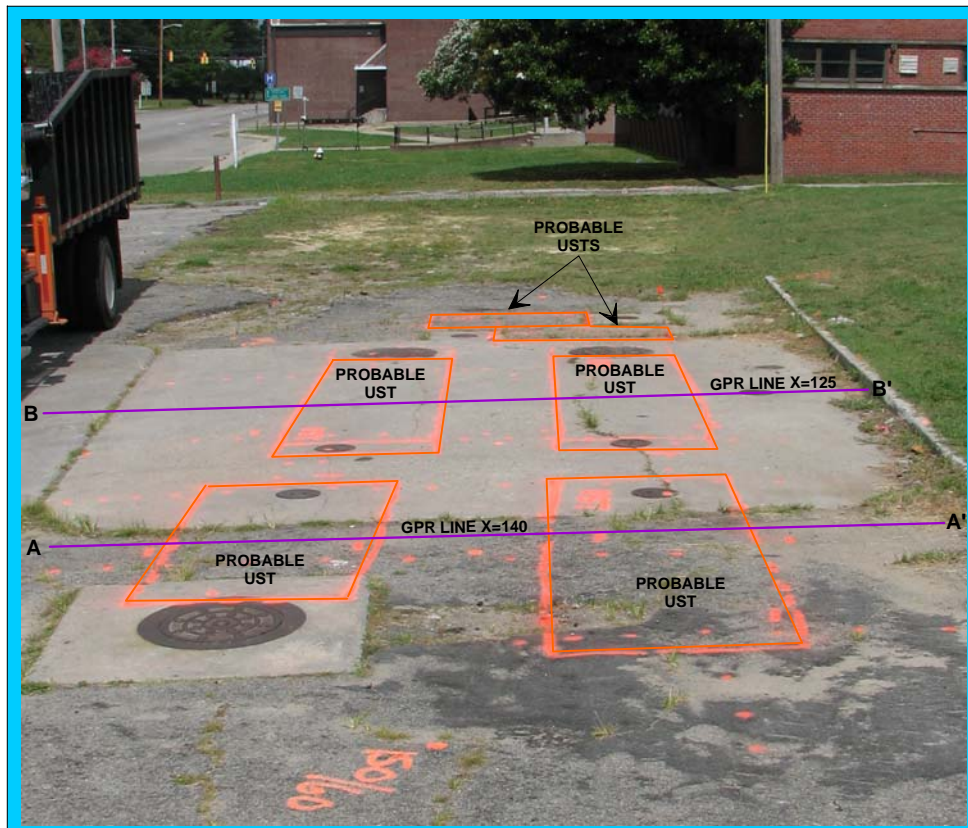
FIGURE 4

CLIENT	SOLUTIONS-IES	DATE	08/17/10	DRAWN	MJD
SITE	306 EAST ELIZABETH STREET SITE	LAY		CHKD	
CITY	ELIZABETH CITY	DWG		FIGURE	
STATE	NORTH CAROLINA	L-NO.	2010-159		
TITLE	GEOPHYSICAL RESULTS				

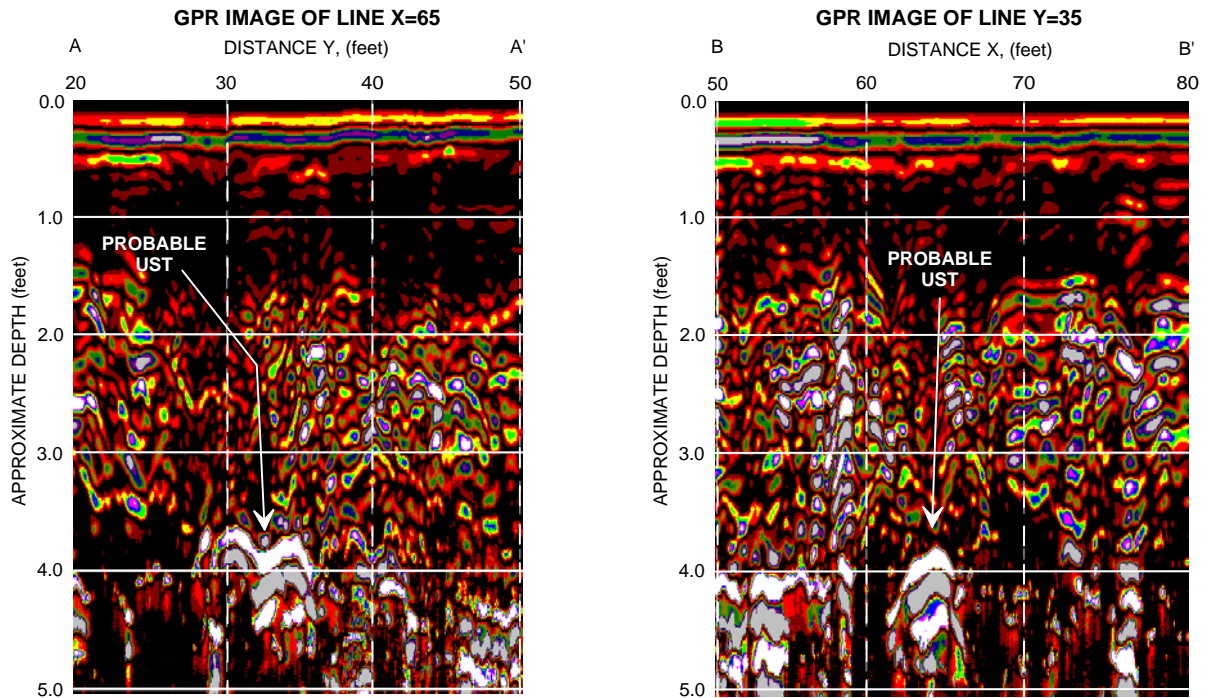
PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.



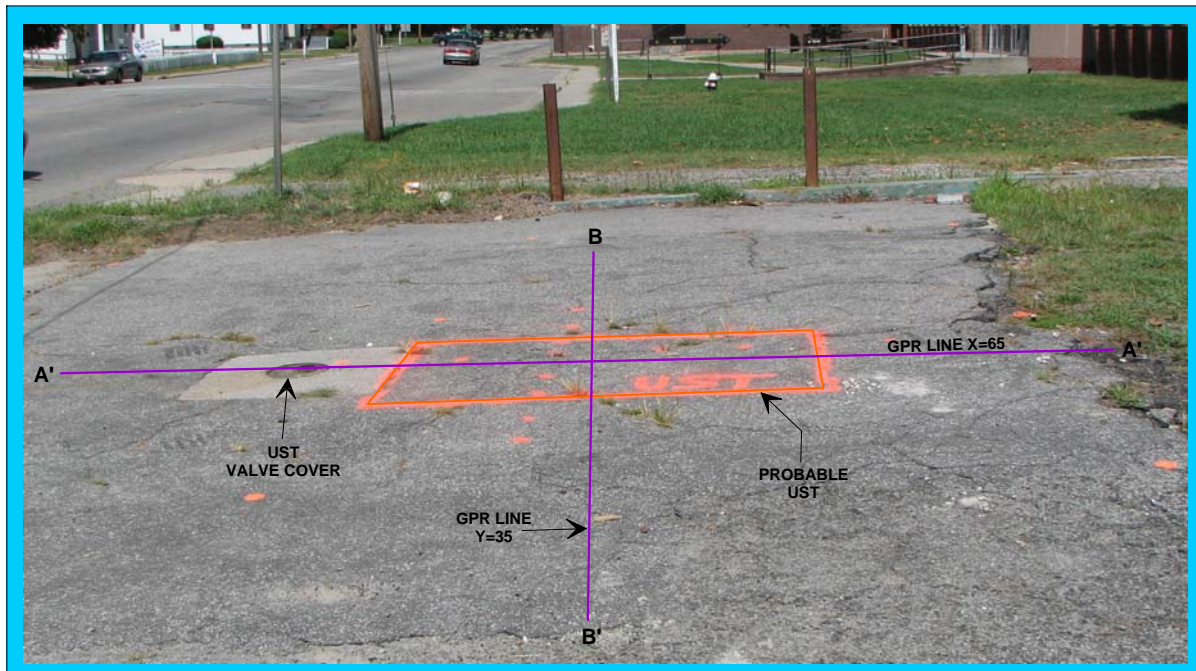
The GPR images obtained along a portion of survey lines X=140 and X=125 recorded high amplitude, hyperbolic GPR anomalies (reflections shaded in white) that are probably in response to four metallic USTs buried approximately 1.5 to 2.2 feet below the concrete surface. The solid purple lines labeled AA' and BB' in the photograph below show the locations of GPR images X=140 and X=125.



The orange rectangles in the photograph represent the approximate perimeters of six probable USTs centered around grid coordinates X=125 Y=60. Based upon GPR data, the axis of the four USTs (foreground) are oriented in an easterly-westerly direction and the two smaller USTs (background) are oriented in a northerly-southerly direction. The solid purple lines in the photograph represent the approximate location of GPR images X=140 and X=120 shown above. The photograph is viewed in a westerly direction.



The GPR images obtained along a portion of survey lines X=65 and Y=35 recorded high amplitude, GPR anomalies (reflections shaded in white) that are probably in response to a metallic UST buried approximately 3.8 feet below the asphalt pavement. The solid purple lines labeled AA' and BB' in the photograph below show the locations of GPR images X=65 and Y=35.



The orange rectangle in the photograph represents the approximate perimeter of a probable UST centered around grid coordinates X=65 Y=35. Based upon GPR data, the axis of the probable UST is oriented in a northerly-southerly direction. The solid purple lines in the photograph represent the approximate location of GPR images X=65 and Y=35 shown above. The photograph is viewed in a westerly direction.

APPENDIX C
GPS COORDINATES

APPENDIX C
Boring Location GPS Coordinates
New Life Family Center Property
306 East Elizabeth Street
Elizabeth City, North Carolina
WBS Element: 35742.1.1; State Project: U-4438

Boring Identification	Latitude	Longitude
306-1	36.301924	76.221238
306-2	36.301918	76.221261
306-3	36.301882	76.221268
306-4	36.301912	76.221270
306-5	36.301945	76.221090
306-6	36.301956	76.221074
306-7	36.301958	76.221045
306-8	36.301968	76.221024
306-9	36.301940	76.220985
306-10	36.301922	76.220959
306-11	36.301930	76.220966
306-12	36.301907	76.220957
306-13	36.302060	76.221137
306-14	36.301938	76.221038
306-15	36.301907	76.221005
306-16	36.301909	76.221030
306-17	36.301905	76.221062
306-18	36.301929	76.221072
306-19	36.301919	76.221100
306-20	36.301870	76.221057
306-21	36.301870	76.221018
306-22	36.301900	76.221349
306-23	36.302003	76.221322
306-24	36.301930	76.221178
306-25	36.301998	76.221154
306-26	36.301899	76.221031
306-27	36.301905	76.220932

APPENDIX D

BORING LOGS

Log of Soil Boring: 306-1

Project Name: Elizabeth City PSAs
 Client: NCDOT
 Project Location: Elizabeth City State: NC
 Site or Area: 306 E Elizabeth ST
 Drilling Method: Direct push
 Sample Method: Macrocore
 Logged by: KD

Solutions-IES Project Number: 3946.10A3.NDOT
 Northing: 940272.83 Easting: 2818772.86
 County: Pasquotank City: Elizabeth City
 Date Started: 8/3/2010 Date Completed: 8/3/2010
 Initial Water Level: ~3- 3.5' bgs Final Water Level: 3.35' bgs
 Date & Time (i): 8/3/2010 11:15 Date & Time (f): 8/3/10 1330
 WBS #: 35742.1.1 State Project #: U-4438

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
		SM	asphalt surface, gray fine sand, fill, moist				0.0		306-1-0-3	
2					30					
			Saturated							
4										
6										
8			End of Boring							
<p>Notes: Field Screen conducted with FID. Results in parts per million (ppm). Depth in Feet</p>										

Well Construction Details

Drilling Contractor: Solutions-IES, Inc.
 Size of Borehole: 3.75" TOC Elevation: NA Screen Interval: 2.5' - 7.5' bgs
 Completion: Temporary Casing Diameter: 1" Screen Material: Sch 40 PVC
 Total Depth: 7.5' bgs Casing Material: Sch 40 PVC Slot Size: 0.10"




Solutions-IES
 Industrial & Environmental Services
 1101 Nowell Road
 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-2

Project Name: **Elizabeth City PSAs**
 Client: **NCDOT**
 Project Location: **Elizabeth City** State: **NC**
 Site or Area: **306 E Elizabeth ST**
 Drilling Method: **Direct push**
 Sample Method: **Macrocore**
 Logged by: **KD**

Solutions-IES Project Number: **3946.10A3.NDOT**
 Northing: **940270.46** Easting: **2818766.15**
 County: **Pasquotank** City: **Elizabeth City**
 Date Started: **8/3/2010** Date Completed: **8/3/2010**
 Initial Water Level: **~3-3.5' bgs** Final Water Level:
 Date & Time (i): **8/3/2010 11:40** Date & Time (f):
 WBS #: **35742.1.1** State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample ID	Well Const.
0	0.00		Ground Surface						
			GP Gray to brown sandy gravel, fill, moist near bottom						
2					40		1014	306-2-0-3	
			Saturated						
4			End of Boring						
6									
8									

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**
 Size of Borehole: **3.75"** TOC Elevation: **NA**
 Completion: Casing Diameter:
 Total Depth: Casing Material:

Screen Interval:
 Screen Material:
 Slot Size:



Solutions-IES
 Industrial & Environmental Services
 1101 Nowell Road
 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-3

Project Name: **Elizabeth City PSAs**

Solutions-IES Project Number: **3946.10A3.NDOT**

Client: **NCDOT**

Northing: **940257.3**

Easting: **2818764.45**

Project Location: **Elizabeth City** State: **NC**

County: **Pasquotank**

City: **Elizabeth City**

Site or Area: **306 E Elizabeth ST**

Date Started: **8/3/2010**

Date Completed: **8/3/2010**

Drilling Method: **Direct push**

Initial Water Level: **~3-3.5' bgs**

Final Water Level:

Sample Method: **Macrocore**

Date & Time (i): **8/3/2010 11:42**


Date & Time (f):

Logged by: **KD**

Checked by:

WBS #: **35742.1.1**

State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
			GP Gray to brown sandy-gravel, fill, moist near bottom							
2					30		53.6		306-3-0-3	
			Saturated							
4			End of Boring							
6										
8										

Notes:

Field screen conducted with FID. Results reported in parts per million(ppm).

Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**

Size of Borehole: **3.75"** TOC Elevation: **NA**

Screen Interval:

Completion: Casing Diameter:

Screen Material:

Total Depth: Casing Material:

Slot Size:



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Raleigh, North Carolina 27607
Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-5

Project Name: **Elizabeth City PSAs**

Solutions-IES Project Number: **3946.10A3.NDOT**

Client: **NCDOT**

Northing: **940281.7**

Easting: **2818816.24**

Project Location: **Elizabeth City** State: **NC**

County: **Pasquotank**

City: **Elizabeth City**

Site or Area: **306 E Elizabeth ST**

Date Started: **8/3/2010**

Date Completed: **8/3/2010**

Drilling Method: **Direct push**

Initial Water Level: **~3-3.5' bgs**

Final Water Level:

Sample Method: **Macrocore**

Date & Time (i): **8/3/2010 11:50**

Date & Time (f):

Logged by: **KD**

Checked by:

WBS #: **35742.1.1**

State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample ID	Well Const.
0	0.00		Ground Surface						
		SP	Gray sand, fill, odor, staining						
2					30		55.8	306-5-0-3	
			Saturated						
4			End of Boring						
6									
8									

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**

Size of Borehole: **3.75"** TOC Elevation: **NA**

Completion: Casing Diameter:

Total Depth: Casing Material:

Screen Interval:

Screen Material:

Slot Size:



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 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-6

Project Name: **Elizabeth City PSAs**

Solutions-IES Project Number: **3946.10A3.NDOT**

Client: **NCDOT**

Northing: **940285.83**

Easting: **2818820.85**

Project Location: **Elizabeth City** State: **NC**

County: **Pasquotank**

City: **Elizabeth City**

Site or Area: **306 E Elizabeth ST**

Date Started: **8/3/2010**

Date Completed: **8/3/2010**

Drilling Method: **Direct push**

Initial Water Level: **~3-3.5' bgs**

Final Water Level:

Sample Method: **Macrocore**

Date & Time (i): **8/3/2010 11:55**

Date & Time (f):

Logged by: **KD**

Checked by:

WBS #: **35742.1.1**

State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
		SP	Tan gravelly sand, fill				0.0		306-6-0-3	
2			Saturated		20					
4			End of Boring							
6										
8										

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**

Size of Borehole: **3.75"** TOC Elevation: **NA**

Completion: Casing Diameter:

Total Depth: Casing Material:

Screen Interval:

Screen Material:

Slot Size:



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 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-7

Project Name: **Elizabeth City PSAs**

Solutions-IES Project Number: **3946.10A3.NDOT**

Client: **NCDOT**

Northing: **940286.8**

Easting: **2818829.37**

Project Location: **Elizabeth City** State: **NC**

County: **Pasquotank**

City: **Elizabeth City**

Site or Area: **306 E Elizabeth ST**

Date Started: **8/3/2010**

Date Completed: **8/3/2010**

Drilling Method: **Direct push**

Initial Water Level: **~3-3.5' bgs**

Final Water Level:

Sample Method: **Macrocore**

Date & Time (i): **8/3/2010 12:00**

Date & Time (f):

Logged by: **KD**

Checked by:

WBS #: **35742.1.1**

State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample ID	Well Const.
0	0.00		Ground Surface						
		SP	asphalt surface, tan gravelly sand, fill				0.0	306-7-0-3	
2					20				
			Saturated						
4			End of Boring						
6									
8									

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**

Size of Borehole: **3.75"** TOC Elevation: **NA**

Completion: Casing Diameter:

Total Depth: Casing Material:

Screen Interval:

Screen Material:

Slot Size:



Solutions-IES
 Industrial & Environmental Services
 1101 Nowell Road
 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-8

Project Name: Elizabeth City PSAs

Solutions-IES Project Number: 3946.10A3.NDOT

Client: NCDOT

Northing: 940290.61

Easting: 2818835.45

Project Location: Elizabeth City State: NC

County: Pasquotank

City: Elizabeth City

Site or Area: 306 E Elizabeth ST

Date Started: 8/3/2010

Date Completed: 8/3/2010

Drilling Method: Direct push

Initial Water Level: ~3-3.5' bgs

Final Water Level:

Sample Method: Macrocore

Date & Time (i): 8/3/2010 12:05

Date & Time (f):

Logged by: KD

Checked by:

WBS #: 35742.1.1

State Project #: U-4438

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
		SP	Tan silty-sand, fill, plant material				0.0		306-8-0-3	
2			Saturated		20					
4			End of Boring							
6										
8										

Notes:
 Field screen conducted with FID. Results in parts per million (ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: Solutions-IES, Inc.

Size of Borehole: 3.75" TOC Elevation: NA

Completion: Casing Diameter:

Total Depth: Casing Material:

Screen Interval:

Screen Material:

Slot Size:



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 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-9

Project Name: Elizabeth City PSAs

Solutions-IES Project Number: 3946.10A3.NDOT

Client: NCDOT

Northing: 940290.61

Easting: 2818835.45

Project Location: Elizabeth City State: NC

County: Pasquotank

City: Elizabeth City

Site or Area: 306 E Elizabeth ST

Date Started: 8/3/2010

Date Completed: 8/3/2010

Drilling Method: Direct push

Initial Water Level: ~3-3.5' bgs

Final Water Level: 4.25' bgs

Sample Method: Macrocore

Date & Time (i): 8/3/2010 12:05

Date & Time (f): 8/3/10 1255

Logged by: KD

Checked by:

WBS #: 35742.1.1

State Project #: U-4438

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
0		SP	Tan silty-sand, fill, plant material				0.0		306-9-0-3	
2					20					
4			Saturated							
8			End of Boring							
<p>Notes: Field screen conducted with FID. Results in parts per million (ppm). Depth in feet.</p>										

Well Construction Details

Drilling Contractor: Solutions-IES, Inc.

Size of Borehole: 3.75" TOC Elevation: NA

Screen Interval: 2.85' - 7.85' bgs

Completion: Temporary Casing Diameter: 1"

Screen Material: Sch 40 PVC

Total Depth: 7.85' bgs Casing Material: Sch 40 PVC

Slot Size: 0.10"

Solutions-IES
 Industrial & Environmental Services
 1101 Nowell Road
 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-10

Project Name: Elizabeth City PSAs

Solutions-IES Project Number: 3946.10A3.NDOT

Client: NCDOT

Northing: 940274.41

Easting: 2818855.07

Project Location: Elizabeth City State: NC

County: Pasquotank

City: Elizabeth City

Site or Area: 306 E Elizabeth ST

Date Started: 8/3/2010

Date Completed: 8/3/10

Drilling Method: Direct push

Initial Water Level: ~3-3.5' bgs

Final Water Level:

Sample Method: Macrocore

Date & Time (i): 8/3/2010 12:18

Date & Time (f):

Logged by: KD

Checked by:

WBS #: 35742.1.1

State Project #: U-4438

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
		SP	Dark brown sand, fill, plant material				0.0		306-10-0-3	
2			Saturated		40					
4			End of Boring							
6										
8										

Notes:
 Field screen in conducted with FID. Results in parts per million (ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: Solutions-IES, Inc.

Size of Borehole: 3.75" TOC Elevation: NA

Completion: Casing Diameter:

Total Depth: Casing Material:

Screen Interval:

Screen Material:

Slot Size:



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 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-11

Project Name: Elizabeth City PSAs

Solutions-IES Project Number: 3946.10A3.NDOT

Client: NCDOT

Northing: 940277.26

Easting: 2818852.92

Project Location: Elizabeth City State: NC

County: Pasquotank

City: Elizabeth City

Site or Area: 306 E Elizabeth ST

Date Started: 8/3/2010

Date Completed: 8/3/2010

Drilling Method: Direct push

Initial Water Level: ~3-3.5 bgs

Final Water Level:

Sample Method: Macrocore

Date & Time (i): 8/3/2010 12:25

Date & Time (f):

Logged by: KD

Checked by:

WBS #: 35742.1.1

State Project #: U-4438

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
			SM topsoi, dark brown silty-sand, fill, plant material				0.0		306-11-0-3	
2			Saturated		40					
4			End of Boring							
6										
8										

Notes:
 Field screen conducted with FID. Results in parts per million (ppm)
 Depth in feet.

Well Construction Details

Drilling Contractor: Solutions-IES, Inc.

Size of Borehole: 3.75" TOC Elevation: NA

Screen Interval:

Completion: Casing Diameter:

Screen Material:

Total Depth: Casing Material:

Slot Size:



1101 Nowell Road
 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-12

Project Name: **Elizabeth City PSAs**

Solutions-IES Project Number: **3946.10A3.NDOT**

Client: **NCDOT**

Northing: **940268.96**

Easting: **2818855.81**

Project Location: **Elizabeth City** State: **NC**

County: **Pasquotank**

City: **Elizabeth City**

Site or Area: **306 E Elizabeth ST**

Date Started: **8/3/2010**

Date Completed: **8/3/2010**

Drilling Method: **Direct push**

Initial Water Level: **~3-3.5' bgs**

Final Water Level:

Sample Method: **Macrocore**

Date & Time (i): **8/3/2010 12:35**


Date & Time (f):

Logged by: **KD**

Checked by:

WBS #: **35742.1.1**

State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample ID	Well Const.
0	0.00		Ground Surface						
			SM asphalt surface, tan sandy-silt, fill						
2					35		0.0	306-12-0-3	
			Saturated						
4			End of Boring						
6									
8									

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**

Size of Borehole: **3.75"** TOC Elevation: **NA**

Completion: Casing Diameter:

Total Depth: Casing Material:

Screen Interval:

Screen Material:

Slot Size:



1101 Nowell Road
 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-13

Project Name: Elizabeth City PSAs
 Client: NCDOT
 Project Location: Elizabeth City State: NC
 Site or Area: 306 E Elizabeth ST
 Drilling Method: Direct push
 Sample Method: Macrocore
 Logged by: KD

Solutions-IES Project Number: 3946.10A3.NDOT
 Northing: 940323.16 Easting: 2818801.23
 County: Pasquotank City: Elizabeth City
 Date Started: 8/3/2010 Date Completed: 8/3/10
 Initial Water Level: ~3-3.5' bgs Final Water Level:
 Date & Time (i): 8/3/2010 13:30 Date & Time (f):
 WBS #: 35742.1.1 State Project #: U-4438

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample ID	Well Const.
0	0.00		Ground Surface						
		SP	Tan sand, fill, loose, plant material		40		223.7	306-13-0-3	
			Saturated						
4			End of Boring						
6									
8									

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: Solutions-IES, Inc.
 Size of Borehole: 3.75" TOC Elevation: NA
 Completion: Casing Diameter:
 Total Depth: Casing Material:

Screen Interval:
 Screen Material:
 Slot Size:



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 Industrial & Environmental Services
 1101 Nowell Road
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 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-16

Project Name: **Elizabeth City PSAs**

Solutions-IES Project Number: **3946.10A3.NDOT**

Client: **NCDOT**

Northing: **940268.57**

Easting: **2818841.67**

Project Location: **Elizabeth City** State: **NC**

County: **Pasquotank**

City: **Elizabeth City**

Site or Area: **306 E Elizabeth ST**

Date Started: **8/3/2010**

Date Completed: **8/3/2010**

Drilling Method: **Direct push**

Initial Water Level: **~3-3.5 bgs**

Final Water Level:

Sample Method: **Macrocore**

Date & Time (i): **8/3/2010 13:30**

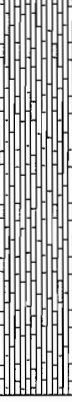
Date & Time (f):

Logged by: **KD**

Checked by:

WBS #: **35742.1.1**

State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
			SM sandy-silt, fill, some clay, moist				0.0		306-16-0-3	
2					N/A					
			Saturated							
4			End of Boring							
6										
8										

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**

Size of Borehole: **3.75"** TOC Elevation: **NA**

Completion: Casing Diameter:

Total Depth: Casing Material:

Screen Interval:

Screen Material:

Slot Size:

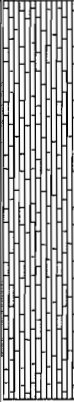


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Log of Soil Boring: 306-17

Project Name: **Elizabeth City PSAs**
 Client: **NCDOT**
 Project Location: **Elizabeth City** State: **NC**
 Site or Area: **306 E Elizabeth ST**
 Drilling Method: **Direct push**
 Sample Method: **Macrocore**
 Logged by: **KD**

Solutions-IES Project Number: **3946.10A3.NDOT**
 Northing: **940267.37** Easting: **2818824.9**
 County: **Pasquotank** City: **Elizabeth City**
 Date Started: **8/3/2010** Date Completed: **8/3/2010**
 Initial Water Level: **~3-3.5' bgs** Final Water Level:
 Date & Time (i): **8/3/2010 13:30** Date & Time (f):
 WBS #: **35742.1.1** State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
			SM dark gray sandy-silt, fill, some clay, moist				163.6		306-17-0-3	
2			Saturated		35					
4			End of Boring							
6										
8										

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**
 Size of Borehole: **3.75"** TOC Elevation: **NA** Screen Interval:
 Completion: Casing Diameter: Screen Material:
 Total Depth: Casing Material: Slot Size:



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 1101 Nowell Road
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 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-18

Project Name: **Elizabeth City PSAs**
 Client: **NCDOT**
 Project Location: **Elizabeth City** State: **NC**
 Site or Area: **306 E Elizabeth ST**
 Drilling Method: **Direct push**
 Sample Method: **Macrocore**
 Logged by: **KD**

Solutions-IES Project Number: **3946.10A3.NDOT**
 Northing: **940276.02** Easting: **2818821.71**
 County: **Pasquotank** City: **Elizabeth City**
 Date Started: **8/3/2010** Date Completed: **8/3/2010**
 Initial Water Level: **~3-3.5' bgs** Final Water Level:
 Date & Time (i): **8/3/2010 13:30** Date & Time (f):
 WBS #: **35742.1.1** State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
			SM silty-sand fill, some gravel, odor				0.0		306-18-0-3	
2					35					
			Saturated							
4			End of Boring							
6										
8										

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**
 Size of Borehole: **3.75"** TOC Elevation: **NA** Screen Interval:
 Completion: Casing Diameter: Screen Material:
 Total Depth: Casing Material: Slot Size:



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 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-19

Project Name: **Elizabeth City PSAs**
 Client: **NCDOT**
 Project Location: **Elizabeth City** State: **NC**
 Site or Area: **306 E Elizabeth ST**
 Drilling Method: **Direct push**
 Sample Method: **Macrocore**
 Logged by: **KD**

Solutions-IES Project Number: **3946.10A3.NDOT**
 Northing: **940272.15** Easting: **2818813.56**
 County: **Pasquotank** City: **Elizabeth City**
 Date Started: **8/3/2010** Date Completed: **8/3/2010**
 Initial Water Level: **~3-3.5' bgs** Final Water Level:
 Date & Time (i): **8/3/2010 13:30** Date & Time (f):
 WBS #: **35742.1.1** State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
			SM silty-sand, fill, some gravel, odor							
			Saturated				45.7		306-19-0-3	
					25					
4			End of Boring							
6										
8										

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**
 Size of Borehole: **3.75"** TOC Elevation: **NA**
 Completion: Casing Diameter:
 Total Depth: Casing Material:

Screen Interval:
 Screen Material:
 Slot Size:



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 1101 Nowell Road
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 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-20

Project Name: Elizabeth City PSAs

Solutions-IES Project Number: 3946.10A3.NDOT

Client: NCDOT

Northing: 940254.67

Easting: 2818826.73

Project Location: Elizabeth City State: NC

County: Pasquotank

City: Elizabeth City

Site or Area: 306 E Elizabeth ST

Date Started: 8/3/2010

Date Completed: 8/3/2010

Drilling Method: Direct push

Initial Water Level: ~3-3.5' bgs

Final Water Level: 3.10' bgs

Sample Method: Macrocore

Date & Time (i): 8/3/2010 13:30

Date & Time (f): 8/3/10 1510

Logged by: KD

Checked by:

WBS #: 35742.1.1

State Project #: U-4438

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
		CL	silty-clay, fill, some gravel, odor and staining				1300		306-20-0-3	
2					30					
			Saturated							
4										
6										
8										
			End of Boring							
<p>Notes: Field screen conducted with FID. Results reported in parts per million(ppm). Depth in feet.</p>										

Well Construction Details

Drilling Contractor: Solutions-IES, Inc.

Size of Borehole: 3.75" TOC Elevation: NA

Screen Interval: 3.2' - 8.2' bgs

Completion: Temporary Casing Diameter: 1"

Screen Material: PVC

Total Depth: 8.2 Casing Material: PVC

Slot Size: 0.01



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Log of Soil Boring: 306-25

Project Name: **Elizabeth City PSAs**

Solutions-IES Project Number: **3946.10A3.NDOT**

Client: **NCDOT**

Northing: **940300.46**

Easting: **2818796.85**

Project Location: **Elizabeth City** State: **NC**

County: **Pasquotank**

City: **Elizabeth City**

Site or Area: **306 E Elizabeth ST**

Date Started: **8/3/2010**

Date Completed: **8/3/2010**

Drilling Method: **Direct push**

Initial Water Level: **~3-3.5' bgs**

Final Water Level:

Sample Method: **Macrocore**

Date & Time (i): **8/3/2010 13:30**

Date & Time (f):

Logged by: **KD**

Checked by:

WBS #: **35742.1.1**

State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
		SP	tan sand, loose, some black staining					289.7		
2					50			306-25-0-3		
			Saturated							
4			End of Boring							
6										
8										

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**

Size of Borehole: **3.75"** TOC Elevation: **NA**

Screen Interval:

Completion: Casing Diameter:

Screen Material:

Total Depth: Casing Material:

Slot Size:



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 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-26

Project Name: **Elizabeth City PSAs**

Solutions-IES Project Number: **3946.10A3.NDOT**

Client: **NCDOT**

Northing: **940265.44**

Easting: **2818834.09**

Project Location: **Elizabeth City** State: **NC**

County: **Pasquotank**

City: **Elizabeth City**

Site or Area: **306 E Elizabeth ST**

Date Started: **8/3/2010**

Date Completed: **8/3/2010**

Drilling Method: **Direct push**

Initial Water Level: **~3-3.5' bgs**

Final Water Level:

Sample Method: **Macrocore**

Date & Time (i): **8/3/2010 13:30**

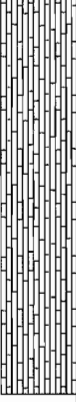
Date & Time (f):

Logged by: **KD**

Checked by:

WBS #: **35742.1.1**

State Project #: **U-4438**

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information	
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
			SM dark gray silty-sand, fill, some gravels				405.2		306-26-0-3	
2					50					
			Saturated							
4			End of Boring							
6										
8										

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: **Solutions-IES, Inc.**

Size of Borehole: **3.75"** TOC Elevation: **NA**

Screen Interval:

Completion: Casing Diameter:

Screen Material:

Total Depth: Casing Material:

Slot Size:



Solutions-IES
 Industrial & Environmental Services
 1101 Nowell Road
 Raleigh, North Carolina 27607
 Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 306-27

Project Name: Elizabeth City PSAs

Solutions-IES Project Number: 3946.10A3.NDOT

Client: NCDOT

Northing: 940268.44

Easting: 2818863.19

Project Location: Elizabeth City State: NC

County: Pasquotank

City: Elizabeth City

Site or Area: 306 E Elizabeth ST

Date Started: 8/3/2010

Date Completed: 8/3/2010

Drilling Method: Direct push

Initial Water Level: ~3-3.5' bgs

Final Water Level:

Sample Method: Macrocore

Date & Time (i): 8/3/2010 13:30

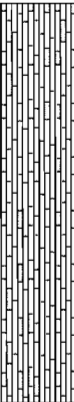
Date & Time (f):

Logged by: KD

Checked by:

WBS #: 35742.1.1

State Project #: U-4438

Depth		Lithology Sample Information					Laboratory Sample Information		Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample ID	Well Const.
0	0.00		Ground Surface						
			SM silty-sand, fill, some gravels, plant material		N/A		409.1	306-27-0-3	
			Saturated						
4			End of Boring						
6									
8									

Notes:
 Field screen conducted with FID. Results reported in parts per million(ppm).
 Depth in feet.

Well Construction Details

Drilling Contractor: Solutions-IES, Inc.

Size of Borehole: 3.75" TOC Elevation: NA

Completion: Casing Diameter:

Total Depth: Casing Material:

Screen Interval:

Screen Material:

Slot Size:



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APPENDIX E

LABORATORY ANALYTICAL REPORT

Solutions IES (NCDOT Project)
Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's - 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Lab Submittal Date: 08/05/2010
Prism Work Order: 0080168

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

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

Respectfully,

PRISM LABORATORIES, INC.



VP Laboratory Services



Reviewed By

Data Qualifiers Key Reference:

- A Surrogate recovery above the control limit. There was no detection of GRO in sample. No further action was required.
- DO Surrogates diluted out.
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- LH High LCS recovery. Analyte not detected in the sample(s). No further action taken.
- P Recovery outside of the QC limits due to inconsistency during extraction and chromatographic performance of this compound.
- SR Surrogate recovery outside the QC limits.
- BRL Below Reporting Limit
- MDL Method Detection Limit
- RPD Relative Percent Difference
- * Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
306-11-0-3	0080168-01	Solid	08/03/10	08/05/10
306-12-0-3	0080168-02	Solid	08/03/10	08/05/10
306-16-0-3	0080168-03	Solid	08/03/10	08/05/10
306-17-0-3	0080168-04	Solid	08/03/10	08/05/10
306-14-0-3	0080168-05	Solid	08/03/10	08/05/10
306-13-0-3	0080168-06	Solid	08/03/10	08/05/10
306-20-0-3	0080168-07	Solid	08/03/10	08/05/10
306-15-0-3	0080168-08	Solid	08/03/10	08/05/10
306-18-0-3	0080168-09	Solid	08/03/10	08/05/10
306-19-0-3	0080168-10	Solid	08/03/10	08/05/10
306-1-0-3	0080168-11	Solid	08/03/10	08/05/10
306-2-0-3	0080168-12	Solid	08/03/10	08/05/10
306-3-0-3	0080168-13	Solid	08/03/10	08/05/10
306-4-0-3	0080168-14	Solid	08/03/10	08/05/10
306-5-0-3	0080168-15	Solid	08/03/10	08/05/10
306-6-0-3	0080168-16	Solid	08/03/10	08/05/10
306-7-0-3	0080168-17	Solid	08/03/10	08/05/10
306-8-0-3	0080168-18	Solid	08/03/10	08/05/10
306-9-0-3	0080168-19	Solid	08/03/10	08/05/10
306-10-0-3	0080168-20	Solid	08/03/10	08/05/10
306-21-0-3	0080168-21	Solid	08/03/10	08/05/10
306-22-0-3	0080168-22	Solid	08/03/10	08/05/10
306-23-0-3	0080168-23	Solid	08/03/10	08/05/10
306-24-0-3	0080168-24	Solid	08/03/10	08/05/10
306-25-0-3	0080168-25	Solid	08/03/10	08/05/10
306-26-0-3	0080168-26	Solid	08/03/10	08/05/10
306-27-0-3	0080168-27	Solid	08/03/10	08/05/10
306-9	0080168-28	Water	08/03/10	08/05/10
306-1	0080168-29	Water	08/03/10	08/05/10
306-20	0080168-30	Water	08/03/10	08/05/10

Samples received in good condition at 2.5 degrees C unless otherwise noted.



Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
- 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Sample Matrix: Solid

Client Sample ID: 306-11-0-3
Prism Sample ID: 0080168-01
Prism Work Order: 0080168
Time Collected: 08/03/10 12:25
Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	7.9	1.3	1	*8015C	8/13/10 19:26	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			116 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	4.8	0.63	50	*8015C	8/10/10 19:05	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			97 %		55-129	
General Chemistry Parameters									
% Solids	88.3	% by Weight	0.100	0.100	1	*SM2540 G	8/9/10 14:00	JAB	P0H0208

Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-12-0-3
 Prism Sample ID: 0080168-02
 Prism Work Order: 0080168
 Time Collected: 08/03/10 12:35
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	7.5	1.2	1	*8015C	8/13/10 20:02	JMV	P0H0282
			Surrogate				Recovery		Control Limits
			o-Terphenyl				109 %		49-124

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	5.1	0.67	50	*8015C	8/10/10 19:39	HPE	P0H0224
			Surrogate				Recovery		Control Limits
			a,a,a-Trifluorotoluene				194 %		55-129 A

General Chemistry Parameters

% Solids	92.3	% by Weight	0.100	0.100	1	*SM2540 G	8/9/10 14:00	JAB	P0H0208
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-16-0-3
 Prism Sample ID: 0080168-03
 Prism Work Order: 0080168
 Time Collected: 08/03/10 12:40
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	84	mg/kg dry	18	2.9	1	*8015C	8/17/10 8:56	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			111 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.1	0.67	50	*8015C	8/10/10 21:22	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			89 %		55-129	
General Chemistry Parameters									
% Solids	78.2	% by Weight	0.100	0.100	1	*SM2540 G	8/9/10 14:00	JAB	P0H0208

Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
- 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Sample Matrix: Solid

Client Sample ID: 306-17-0-3
Prism Sample ID: 0080168-04
Prism Work Order: 0080168
Time Collected: 08/03/10 12:45
Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	54	mg/kg dry	9.1	1.5	1	*8015C	8/17/10 8:23	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			83 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	8.9	mg/kg dry	4.7	0.61	50	*8015C	8/11/10 11:54	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			69 %		55-129	
General Chemistry Parameters									
% Solids	77.2	% by Weight	0.100	0.100	1	*SM2540 G	8/9/10 14:00	JAB	P0H0208

Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-14-0-3
 Prism Sample ID: 0080168-05
 Prism Work Order: 0080168
 Time Collected: 08/03/10 13:20
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	9.6	1.6	1	*8015C	8/13/10 20:37	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			86 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	5.1	0.66	50	*8015C	8/10/10 21:56	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			55 %		55-129	

General Chemistry Parameters

% Solids	72.4	% by Weight	0.100	0.100	1	*SM2540 G	8/9/10 14:00	JAB	P0H0208
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-13-0-3
 Prism Sample ID: 0080168-06
 Prism Work Order: 0080168
 Time Collected: 08/03/10 13:30
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	9.2	1.5	1	*8015C	8/13/10 21:13	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			100 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	5.0	0.64	50	*8015C	8/10/10 22:31	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			93 %		55-129	

General Chemistry Parameters

% Solids	75.8	% by Weight	0.100	0.100	1	*SM2540 G	8/9/10 14:00	JAB	P0H0208
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-20-0-3
 Prism Sample ID: 0080168-07
 Prism Work Order: 0080168
 Time Collected: 08/03/10 13:35
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	55	mg/kg dry	8.8	1.4	1	*8015C	8/13/10 23:35	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			104 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	140	mg/kg dry	5.8	0.75	50	*8015C	8/10/10 23:04	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			92 %		55-129	
General Chemistry Parameters									
% Solids	79.1	% by Weight	0.100	0.100	1	*SM2540 G	8/9/10 14:00	JAB	P0H0208

Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
- 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Sample Matrix: Solid

Client Sample ID: 306-15-0-3
Prism Sample ID: 0080168-08
Prism Work Order: 0080168
Time Collected: 08/03/10 13:50
Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	8.8	1.4	1	*8015C	8/13/10 21:48	JMV	P0H0282
			Surrogate	Recovery			Control Limits		
			o-Terphenyl	106 %			49-124		
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	7.1	mg/kg dry	5.0	0.65	50	*8015C	8/11/10 12:27	HPE	P0H0224
			Surrogate	Recovery			Control Limits		
			a,a,a-Trifluorotoluene	89 %			55-129		
General Chemistry Parameters									
% Solids	78.8	% by Weight	0.100	0.100	1	*SM2540 G	8/9/10 14:00	JAB	P0H0208

Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-18-0-3
 Prism Sample ID: 0080168-09
 Prism Work Order: 0080168
 Time Collected: 08/03/10 14:00
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	9.4	1.5	1	*8015C	8/16/10 17:19	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			81 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	5.3	0.69	50	*8015C	8/11/10 0:12	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			90 %		55-129	

General Chemistry Parameters

% Solids	73.8	% by Weight	0.100	0.100	1	*SM2540 G	8/9/10 14:00	JAB	P0H0208
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Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
- 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Sample Matrix: Solid

Client Sample ID: 306-19-0-3
Prism Sample ID: 0080168-10
Prism Work Order: 0080168
Time Collected: 08/03/10 14:10
Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	8.8	1.4	1	*8015C	8/16/10 16:44	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			84 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	19	mg/kg dry	4.6	0.59	50	*8015C	8/11/10 0:45	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			105 %		55-129	
General Chemistry Parameters									
% Solids	79.8	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240

Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
- 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Sample Matrix: Solid

Client Sample ID: 306-1-0-3
Prism Sample ID: 0080168-11
Prism Work Order: 0080168
Time Collected: 08/03/10 11:35
Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.2	1.3	1	*8015C	8/16/10 16:08	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			108 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	5.0	0.65	50	*8015C	8/11/10 1:19	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			84 %		55-129	

General Chemistry Parameters

% Solids	85.4	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-2-0-3
 Prism Sample ID: 0080168-12
 Prism Work Order: 0080168
 Time Collected: 08/03/10 11:40
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.6	1.4	1	*8015C	8/13/10 22:24	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			111 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.4	0.57	50	*8015C	8/11/10 1:53	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			102 %		55-129	

General Chemistry Parameters

% Solids	81.1	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-3-0-3
 Prism Sample ID: 0080168-13
 Prism Work Order: 0080168
 Time Collected: 08/03/10 11:42
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	28	mg/kg dry	8.5	1.4	1	*8015C	8/17/10 9:31	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			92 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	14	mg/kg dry	5.1	0.67	50	*8015C	8/11/10 2:26	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			83 %		55-129	
General Chemistry Parameters									
% Solids	81.6	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240

Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-4-0-3
 Prism Sample ID: 0080168-14
 Prism Work Order: 0080168
 Time Collected: 08/03/10 11:45
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	12	mg/kg dry	8.0	1.3	1	*8015C	8/17/10 10:06	JMV	P0H0282
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			90 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	3.9	0.51	50	*8015C	8/11/10 3:00	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			87 %		55-129	
General Chemistry Parameters									
% Solids	87.6	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240

Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
- 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Sample Matrix: Solid

Client Sample ID: 306-5-0-3
Prism Sample ID: 0080168-15
Prism Work Order: 0080168
Time Collected: 08/03/10 11:50
Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	28	mg/kg dry	9.1	1.5	1	*8015C	8/14/10 7:18	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			111 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	11	mg/kg dry	5.0	0.65	50	*8015C	8/11/10 3:34	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			91 %		55-129	
General Chemistry Parameters									
% Solids	76.6	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240

Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-6-0-3
 Prism Sample ID: 0080168-16
 Prism Work Order: 0080168
 Time Collected: 08/03/10 11:55
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.0	1.3	1	*8015C	8/14/10 7:53	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			117 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.6	0.59	50	*8015C	8/11/10 4:07	HPE	P0H0224
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			88 %		55-129	

General Chemistry Parameters

% Solids	87.5	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-7-0-3
 Prism Sample ID: 0080168-17
 Prism Work Order: 0080168
 Time Collected: 08/03/10 12:00
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	7.7	1.2	1	*8015C	8/16/10 14:57	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			94 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.2	0.54	50	*8015C	8/11/10 18:19	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			116 %		55-129	

General Chemistry Parameters

% Solids	90.2	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-8-0-3
 Prism Sample ID: 0080168-18
 Prism Work Order: 0080168
 Time Collected: 08/03/10 12:05
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	7.7	1.2	1	*8015C	8/14/10 8:29	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			107 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.5	0.58	50	*8015C	8/11/10 19:47	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			65 %		55-129	

General Chemistry Parameters

% Solids	91.0	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-9-0-3
 Prism Sample ID: 0080168-19
 Prism Work Order: 0080168
 Time Collected: 08/03/10 12:08
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	7.7	1.2	1	*8015C	8/16/10 15:32	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			82 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.3	0.55	50	*8015C	8/11/10 20:22	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			103 %		55-129	

General Chemistry Parameters

% Solids	91.0	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-10-0-3
 Prism Sample ID: 0080168-20
 Prism Work Order: 0080168
 Time Collected: 08/03/10 12:18
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	7.6	1.2	1	*8015C	8/14/10 9:04	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			114 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.0	0.52	50	*8015C	8/11/10 20:56	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			93 %		55-129	

General Chemistry Parameters

% Solids	91.5	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240
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Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
- 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Sample Matrix: Solid

Client Sample ID: 306-21-0-3
Prism Sample ID: 0080168-21
Prism Work Order: 0080168
Time Collected: 08/03/10 14:25
Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	190	mg/kg dry	46	7.5	5	*8015C	8/16/10 21:28	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			78 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	5500	mg/kg dry	190	25	2000	*8015C	8/12/10 11:54	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			0 %		55-129	DO
General Chemistry Parameters									
% Solids	75.3	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240

Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
- 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Sample Matrix: Solid

Client Sample ID: 306-22-0-3
Prism Sample ID: 0080168-22
Prism Work Order: 0080168
Time Collected: 08/03/10 14:30
Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	180	mg/kg dry	44	7.0	5	*8015C	8/16/10 22:39	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			78 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.9	0.77	50	*8015C	8/11/10 22:41	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			103 %		55-129	
General Chemistry Parameters									
% Solids	80.1	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240

Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-23-03
 Prism Sample ID: 0080168-23
 Prism Work Order: 0080168
 Time Collected: 08/03/10 14:40
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	36	mg/kg dry	8.0	1.3	1	*8015C	8/16/10 13:46	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			97 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	3.9	0.50	50	*8015C	8/11/10 23:16	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			90 %		55-129	
General Chemistry Parameters									
% Solids	87.7	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240

Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-24-0-3
 Prism Sample ID: 0080168-24
 Prism Work Order: 0080168
 Time Collected: 08/03/10 14:50
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	19	mg/kg dry	9.2	1.5	1	*8015C	8/16/10 13:10	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			112 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	4.9	0.64	50	*8015C	8/11/10 23:50	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			89 %		55-129	
General Chemistry Parameters									
% Solids	75.8	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240

Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
- 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Sample Matrix: Solid

Client Sample ID: 306-25-0-3
Prism Sample ID: 0080168-25
Prism Work Order: 0080168
Time Collected: 08/03/10 15:00
Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.1	1.3	1	*8015C	8/14/10 9:40	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			100 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	3.9	0.51	50	*8015C	8/12/10 0:25	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			88 %		55-129	

General Chemistry Parameters

% Solids	86.2	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-26-0-3
 Prism Sample ID: 0080168-26
 Prism Work Order: 0080168
 Time Collected: 08/03/10 15:05
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.6	1.4	1	*8015C	8/14/10 10:16	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			94 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	12	mg/kg dry	4.6	0.60	50	*8015C	8/12/10 0:59	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			87 %		55-129	

General Chemistry Parameters

% Solids	80.8	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Solid

Client Sample ID: 306-27-0-3
 Prism Sample ID: 0080168-27
 Prism Work Order: 0080168
 Time Collected: 08/03/10 15:15
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.2	1.3	1	*8015C	8/14/10 10:51	JMV	P0H0313
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			96 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.1	0.54	50	*8015C	8/12/10 1:33	HPE	P0H0260
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			97 %		55-129	

General Chemistry Parameters

% Solids	85.7	% by Weight	0.100	0.100	1	*SM2540 G	8/10/10 15:00	JAB	P0H0240
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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-9
 Prism Sample ID: 0080168-28
 Prism Work Order: 0080168
 Time Collected: 08/03/10 13:15
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:13	CGP	P0H0172
1,2-Dichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:13	CGP	P0H0172
1,3-Dichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:13	CGP	P0H0172
1,4-Dichlorobenzene	BRL	ug/L	10	2.0	1	8270D	8/21/10 18:13	CGP	P0H0172
2,4,5-Trichlorophenol	BRL	ug/L	10	2.5	1	8270D	8/21/10 18:13	CGP	P0H0172
2,4,6-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:13	CGP	P0H0172
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:13	CGP	P0H0172
2,4-Dimethylphenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:13	CGP	P0H0172
2,4-Dinitrophenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:13	CGP	P0H0172
2,4-Dinitrotoluene	BRL	ug/L	10	0.95	1	8270D	8/21/10 18:13	CGP	P0H0172
2,6-Dinitrotoluene	BRL	ug/L	10	1.6	1	8270D	8/21/10 18:13	CGP	P0H0172
2-Chloronaphthalene	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:13	CGP	P0H0172
2-Chlorophenol	BRL	ug/L	10	2.1	1	8270D	8/21/10 18:13	CGP	P0H0172
2-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/21/10 18:13	CGP	P0H0172
2-Methylphenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:13	CGP	P0H0172
2-Nitroaniline	BRL	ug/L	10	1.9	1	8270D	8/21/10 18:13	CGP	P0H0172
2-Nitrophenol	BRL	ug/L	10	2.5	1	8270D	8/21/10 18:13	CGP	P0H0172
3,3'-Dichlorobenzidine	BRL	ug/L	10	0.96	1	8270D	8/21/10 18:13	CGP	P0H0172
3/4-Methylphenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:13	CGP	P0H0172
3-Nitroaniline	BRL	ug/L	10	1.3	1	8270D	8/21/10 18:13	CGP	P0H0172
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.7	1	8270D	8/21/10 18:13	CGP	P0H0172
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:13	CGP	P0H0172
4-Chloro-3-methylphenol	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:13	CGP	P0H0172
4-Chloroaniline	BRL	ug/L	10	2.5	1	8270D	8/21/10 18:13	CGP	P0H0172
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:13	CGP	P0H0172
4-Nitroaniline	BRL	ug/L	10	0.91	1	8270D	8/21/10 18:13	CGP	P0H0172
4-Nitrophenol	BRL	ug/L	50	2.6	1	8270D	8/21/10 18:13	CGP	P0H0172
Acenaphthene	BRL	ug/L	10	2.1	1	8270D	8/21/10 18:13	CGP	P0H0172
Acenaphthylene	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:13	CGP	P0H0172
Aniline	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:13	CGP	P0H0172
Anthracene	BRL	ug/L	10	1.2	1	8270D	8/21/10 18:13	CGP	P0H0172
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:13	CGP	P0H0172
Benzo(a)anthracene	BRL	ug/L	10	0.95	1	8270D	8/21/10 18:13	CGP	P0H0172
Benzo(a)pyrene	BRL	ug/L	10	1.1	1	8270D	8/21/10 18:13	CGP	P0H0172
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/21/10 18:13	CGP	P0H0172
Benzo(g,h,i)perylene	BRL	ug/L	10	2.1	1	8270D	8/21/10 18:13	CGP	P0H0172
Benzo(k)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/21/10 18:13	CGP	P0H0172
Benzoic Acid	BRL	ug/L	100	50	1	8270D	8/21/10 18:13	CGP	P0H0172
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/21/10 18:13	CGP	P0H0172
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:13	CGP	P0H0172
Bis(2-Chloroethyl)ether	BRL	ug/L	10	1.9	1	8270D	8/21/10 18:13	CGP	P0H0172
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:13	CGP	P0H0172

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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-9
 Prism Sample ID: 0080168-28
 Prism Work Order: 0080168
 Time Collected: 08/03/10 13:15
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:13	CGP	P0H0172
Butyl benzyl phthalate	BRL	ug/L	10	1.5	1	8270D	8/21/10 18:13	CGP	P0H0172
Chrysene	BRL	ug/L	10	1.2	1	8270D	8/21/10 18:13	CGP	P0H0172
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:13	CGP	P0H0172
Dibenzofuran	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:13	CGP	P0H0172
Diethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/21/10 18:13	CGP	P0H0172
Dimethyl phthalate	BRL	ug/L	10	1.6	1	8270D	8/21/10 18:13	CGP	P0H0172
Di-n-butyl phthalate	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:13	CGP	P0H0172
Di-n-octyl phthalate	BRL	ug/L	10	1.9	1	8270D	8/21/10 18:13	CGP	P0H0172
Fluoranthene	BRL	ug/L	10	0.94	1	8270D	8/21/10 18:13	CGP	P0H0172
Fluorene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:13	CGP	P0H0172
Hexachlorobenzene	BRL	ug/L	10	1.4	1	8270D	8/21/10 18:13	CGP	P0H0172
Hexachlorobutadiene	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:13	CGP	P0H0172
Hexachlorocyclopentadiene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:13	CGP	P0H0172
Hexachloroethane	BRL	ug/L	10	1.9	1	8270D	8/21/10 18:13	CGP	P0H0172
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	1.6	1	8270D	8/21/10 18:13	CGP	P0H0172
Isophorone	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:13	CGP	P0H0172
Naphthalene	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:13	CGP	P0H0172
Nitrobenzene	BRL	ug/L	10	2.0	1	8270D	8/21/10 18:13	CGP	P0H0172
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:13	CGP	P0H0172
N-Nitrosodiphenylamine	BRL	ug/L	10	1.6	1	8270D	8/21/10 18:13	CGP	P0H0172
Pentachlorophenol	BRL	ug/L	10	1.6	1	8270D	8/21/10 18:13	CGP	P0H0172
Phenanthrene	BRL	ug/L	10	1.2	1	8270D	8/21/10 18:13	CGP	P0H0172
Phenol	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:13	CGP	P0H0172
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/21/10 18:13	CGP	P0H0172

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	85 %	26-139
2-Fluorobiphenyl	66 %	41-112
2-Fluorophenol	31 %	10-48
Nitrobenzene-d5	63 %	34-102
Phenol-d5	17 %	10-34
Terphenyl-d14	98 %	31-165

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	1.0	0.15	1	8260B	8/12/10 14:23	KLA	P0H0263
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.063	1	8260B	8/12/10 14:23	KLA	P0H0263
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.071	1	8260B	8/12/10 14:23	KLA	P0H0263
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.17	1	8260B	8/12/10 14:23	KLA	P0H0263
1,1-Dichloroethane	BRL	ug/L	1.0	0.096	1	8260B	8/12/10 14:23	KLA	P0H0263
1,1-Dichloroethylene	BRL	ug/L	1.0	0.078	1	8260B	8/12/10 14:23	KLA	P0H0263
1,1-Dichloropropylene	BRL	ug/L	1.0	0.061	1	8260B	8/12/10 14:23	KLA	P0H0263
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.20	1	8260B	8/12/10 14:23	KLA	P0H0263
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	8/12/10 14:23	KLA	P0H0263
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.10	1	8260B	8/12/10 14:23	KLA	P0H0263

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Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
- 306 Elizabeth St.
Project No.: WBS# 35742.1.1
Sample Matrix: Water

Client Sample ID: 306-9
Prism Sample ID: 0080168-28
Prism Work Order: 0080168
Time Collected: 08/03/10 13:15
Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trimethylbenzene	6.9	ug/L	1.0	0.048	1	8260B	8/12/10 14:23	KLA	P0H0263
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	8/12/10 14:23	KLA	P0H0263
1,2-Dibromoethane	BRL	ug/L	1.0	0.14	1	8260B	8/12/10 14:23	KLA	P0H0263
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	8/12/10 14:23	KLA	P0H0263
1,2-Dichloroethane	BRL	ug/L	1.0	0.14	1	8260B	8/12/10 14:23	KLA	P0H0263
1,2-Dichloropropane	BRL	ug/L	1.0	0.13	1	8260B	8/12/10 14:23	KLA	P0H0263
1,3,5-Trimethylbenzene	1.9	ug/L	1.0	0.057	1	8260B	8/12/10 14:23	KLA	P0H0263
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.074	1	8260B	8/12/10 14:23	KLA	P0H0263
1,3-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	8/12/10 14:23	KLA	P0H0263
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.068	1	8260B	8/12/10 14:23	KLA	P0H0263
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	8/12/10 14:23	KLA	P0H0263
2-Chloroethyl Vinyl Ether	BRL	ug/L	2.0	0.22	1	8260B	8/12/10 14:23	KLA	P0H0263
2-Chlorotoluene	BRL	ug/L	1.0	0.038	1	8260B	8/12/10 14:23	KLA	P0H0263
4-Chlorotoluene	BRL	ug/L	1.0	0.053	1	8260B	8/12/10 14:23	KLA	P0H0263
4-Isopropyltoluene	BRL	ug/L	1.0	0.065	1	8260B	8/12/10 14:23	KLA	P0H0263
Acetone	BRL	ug/L	10	0.62	1	8260B	8/12/10 14:23	KLA	P0H0263
Acrolein	BRL	ug/L	100	1.1	1	8260B	8/12/10 14:23	KLA	P0H0263
Acrylonitrile	BRL	ug/L	100	0.86	1	8260B	8/12/10 14:23	KLA	P0H0263
Benzene	180	ug/L	10	0.72	10	8260B	8/13/10 14:26	KLA	P0H0263
Bromobenzene	BRL	ug/L	1.0	0.064	1	8260B	8/12/10 14:23	KLA	P0H0263
Bromochloromethane	BRL	ug/L	1.0	0.13	1	8260B	8/12/10 14:23	KLA	P0H0263
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	8/12/10 14:23	KLA	P0H0263
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	8/12/10 14:23	KLA	P0H0263
Bromomethane	BRL	ug/L	3.0	0.47	1	8260B	8/12/10 14:23	KLA	P0H0263
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	8/12/10 14:23	KLA	P0H0263
Carbon Tetrachloride	BRL	ug/L	2.0	0.12	1	8260B	8/12/10 14:23	KLA	P0H0263
Chlorobenzene	BRL	ug/L	1.0	0.061	1	8260B	8/12/10 14:23	KLA	P0H0263
Chloroethane	BRL	ug/L	5.0	0.13	1	8260B	8/12/10 14:23	KLA	P0H0263
Chloroform	BRL	ug/L	1.0	0.089	1	8260B	8/12/10 14:23	KLA	P0H0263
Chloromethane	BRL	ug/L	2.0	0.11	1	8260B	8/12/10 14:23	KLA	P0H0263
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.076	1	8260B	8/12/10 14:23	KLA	P0H0263
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.10	1	8260B	8/12/10 14:23	KLA	P0H0263
Dibromochloromethane	BRL	ug/L	1.0	0.30	1	8260B	8/12/10 14:23	KLA	P0H0263
Dibromomethane	BRL	ug/L	1.0	0.13	1	8260B	8/12/10 14:23	KLA	P0H0263
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	8/12/10 14:23	KLA	P0H0263
Ethylbenzene	12	ug/L	1.0	0.067	1	8260B	8/12/10 14:23	KLA	P0H0263
Hexachlorobutadiene	BRL	ug/L	2.0	0.36	1	8260B	8/12/10 14:23	KLA	P0H0263
Isopropyl Ether	5.9	ug/L	1.0	0.043	1	8260B	8/12/10 14:23	KLA	P0H0263
Isopropylbenzene (Cumene)	0.91 J	ug/L	1.0	0.072	1	8260B	8/12/10 14:23	KLA	P0H0263
m,p-Xylenes	50	ug/L	2.0	0.081	1	8260B	8/12/10 14:23	KLA	P0H0263
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	8/12/10 14:23	KLA	P0H0263
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	8/12/10 14:23	KLA	P0H0263
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	8/12/10 14:23	KLA	P0H0263

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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-9
 Prism Sample ID: 0080168-28
 Prism Work Order: 0080168
 Time Collected: 08/03/10 13:15
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	2.0	0.44	1	8260B	8/12/10 14:23	KLA	P0H0263
Methyl-tert-Butyl Ether	16	ug/L	1.0	0.070	1	8260B	8/12/10 14:23	KLA	P0H0263
Naphthalene	BRL	ug/L	1.0	0.098	1	8260B	8/12/10 14:23	KLA	P0H0263
n-Butylbenzene	BRL	ug/L	1.0	0.11	1	8260B	8/12/10 14:23	KLA	P0H0263
n-Propylbenzene	0.64 J	ug/L	1.0	0.060	1	8260B	8/12/10 14:23	KLA	P0H0263
o-Xylene	15	ug/L	1.0	0.046	1	8260B	8/12/10 14:23	KLA	P0H0263
sec-Butylbenzene	BRL	ug/L	1.0	0.087	1	8260B	8/12/10 14:23	KLA	P0H0263
Styrene	BRL	ug/L	1.0	0.047	1	8260B	8/12/10 14:23	KLA	P0H0263
tert-Butylbenzene	BRL	ug/L	1.0	0.080	1	8260B	8/12/10 14:23	KLA	P0H0263
Tetrachloroethylene	BRL	ug/L	1.0	0.069	1	8260B	8/12/10 14:23	KLA	P0H0263
Toluene	10	ug/L	1.0	0.042	1	8260B	8/12/10 14:23	KLA	P0H0263
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.12	1	8260B	8/12/10 14:23	KLA	P0H0263
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.043	1	8260B	8/12/10 14:23	KLA	P0H0263
Trichloroethylene	BRL	ug/L	2.0	0.054	1	8260B	8/12/10 14:23	KLA	P0H0263
Trichlorofluoromethane	BRL	ug/L	2.0	0.088	1	8260B	8/12/10 14:23	KLA	P0H0263
Vinyl acetate	BRL	ug/L	20	0.10	1	8260B	8/12/10 14:23	KLA	P0H0263
Vinyl chloride	BRL	ug/L	2.0	0.16	1	8260B	8/12/10 14:23	KLA	P0H0263

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	110 %	80-124
Dibromofluoromethane	88 %	75-129
Toluene-d8	100 %	77-123

Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-1
 Prism Sample ID: 0080168-29
 Prism Work Order: 0080168
 Time Collected: 08/03/10 13:40
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:46	CGP	P0H0172
1,2-Dichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:46	CGP	P0H0172
1,3-Dichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:46	CGP	P0H0172
1,4-Dichlorobenzene	BRL	ug/L	10	2.0	1	8270D	8/21/10 18:46	CGP	P0H0172
2,4,5-Trichlorophenol	BRL	ug/L	10	2.5	1	8270D	8/21/10 18:46	CGP	P0H0172
2,4,6-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:46	CGP	P0H0172
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:46	CGP	P0H0172
2,4-Dimethylphenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:46	CGP	P0H0172
2,4-Dinitrophenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:46	CGP	P0H0172
2,4-Dinitrotoluene	BRL	ug/L	10	0.95	1	8270D	8/21/10 18:46	CGP	P0H0172
2,6-Dinitrotoluene	BRL	ug/L	10	1.6	1	8270D	8/21/10 18:46	CGP	P0H0172
2-Chloronaphthalene	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:46	CGP	P0H0172
2-Chlorophenol	BRL	ug/L	10	2.1	1	8270D	8/21/10 18:46	CGP	P0H0172
2-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/21/10 18:46	CGP	P0H0172
2-Methylphenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:46	CGP	P0H0172
2-Nitroaniline	BRL	ug/L	10	1.9	1	8270D	8/21/10 18:46	CGP	P0H0172
2-Nitrophenol	BRL	ug/L	10	2.5	1	8270D	8/21/10 18:46	CGP	P0H0172
3,3'-Dichlorobenzidine	BRL	ug/L	10	0.96	1	8270D	8/21/10 18:46	CGP	P0H0172
3/4-Methylphenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:46	CGP	P0H0172
3-Nitroaniline	BRL	ug/L	10	1.3	1	8270D	8/21/10 18:46	CGP	P0H0172
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.7	1	8270D	8/21/10 18:46	CGP	P0H0172
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:46	CGP	P0H0172
4-Chloro-3-methylphenol	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:46	CGP	P0H0172
4-Chloroaniline	BRL	ug/L	10	2.5	1	8270D	8/21/10 18:46	CGP	P0H0172
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:46	CGP	P0H0172
4-Nitroaniline	BRL	ug/L	10	0.91	1	8270D	8/21/10 18:46	CGP	P0H0172
4-Nitrophenol	BRL	ug/L	50	2.6	1	8270D	8/21/10 18:46	CGP	P0H0172
Acenaphthene	BRL	ug/L	10	2.1	1	8270D	8/21/10 18:46	CGP	P0H0172
Acenaphthylene	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:46	CGP	P0H0172
Aniline	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:46	CGP	P0H0172
Anthracene	BRL	ug/L	10	1.2	1	8270D	8/21/10 18:46	CGP	P0H0172
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:46	CGP	P0H0172
Benzo(a)anthracene	BRL	ug/L	10	0.95	1	8270D	8/21/10 18:46	CGP	P0H0172
Benzo(a)pyrene	BRL	ug/L	10	1.1	1	8270D	8/21/10 18:46	CGP	P0H0172
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/21/10 18:46	CGP	P0H0172
Benzo(g,h,i)perylene	BRL	ug/L	10	2.1	1	8270D	8/21/10 18:46	CGP	P0H0172
Benzo(k)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/21/10 18:46	CGP	P0H0172
Benzoic Acid	BRL	ug/L	100	50	1	8270D	8/21/10 18:46	CGP	P0H0172
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/21/10 18:46	CGP	P0H0172
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:46	CGP	P0H0172
Bis(2-Chloroethyl)ether	BRL	ug/L	10	1.9	1	8270D	8/21/10 18:46	CGP	P0H0172
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:46	CGP	P0H0172

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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-1
 Prism Sample ID: 0080168-29
 Prism Work Order: 0080168
 Time Collected: 08/03/10 13:40
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:46	CGP	P0H0172
Butyl benzyl phthalate	BRL	ug/L	10	1.5	1	8270D	8/21/10 18:46	CGP	P0H0172
Chrysene	BRL	ug/L	10	1.2	1	8270D	8/21/10 18:46	CGP	P0H0172
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:46	CGP	P0H0172
Dibenzofuran	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:46	CGP	P0H0172
Diethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/21/10 18:46	CGP	P0H0172
Dimethyl phthalate	BRL	ug/L	10	1.6	1	8270D	8/21/10 18:46	CGP	P0H0172
Di-n-butyl phthalate	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:46	CGP	P0H0172
Di-n-octyl phthalate	BRL	ug/L	10	1.9	1	8270D	8/21/10 18:46	CGP	P0H0172
Fluoranthene	BRL	ug/L	10	0.94	1	8270D	8/21/10 18:46	CGP	P0H0172
Fluorene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:46	CGP	P0H0172
Hexachlorobenzene	BRL	ug/L	10	1.4	1	8270D	8/21/10 18:46	CGP	P0H0172
Hexachlorobutadiene	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:46	CGP	P0H0172
Hexachlorocyclopentadiene	BRL	ug/L	10	1.8	1	8270D	8/21/10 18:46	CGP	P0H0172
Hexachloroethane	BRL	ug/L	10	1.9	1	8270D	8/21/10 18:46	CGP	P0H0172
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	1.6	1	8270D	8/21/10 18:46	CGP	P0H0172
Isophorone	BRL	ug/L	10	2.4	1	8270D	8/21/10 18:46	CGP	P0H0172
Naphthalene	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:46	CGP	P0H0172
Nitrobenzene	BRL	ug/L	10	2.0	1	8270D	8/21/10 18:46	CGP	P0H0172
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.3	1	8270D	8/21/10 18:46	CGP	P0H0172
N-Nitrosodiphenylamine	BRL	ug/L	10	1.6	1	8270D	8/21/10 18:46	CGP	P0H0172
Pentachlorophenol	BRL	ug/L	10	1.6	1	8270D	8/21/10 18:46	CGP	P0H0172
Phenanthrene	BRL	ug/L	10	1.2	1	8270D	8/21/10 18:46	CGP	P0H0172
Phenol	BRL	ug/L	10	2.2	1	8270D	8/21/10 18:46	CGP	P0H0172
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/21/10 18:46	CGP	P0H0172

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	67 %	26-139
2-Fluorobiphenyl	56 %	41-112
2-Fluorophenol	27 %	10-48
Nitrobenzene-d5	56 %	34-102
Phenol-d5	16 %	10-34
Terphenyl-d14	75 %	31-165

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	1.0	0.15	1	8260B	8/11/10 21:27	KLA	P0H0263
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.063	1	8260B	8/11/10 21:27	KLA	P0H0263
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.071	1	8260B	8/11/10 21:27	KLA	P0H0263
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.17	1	8260B	8/11/10 21:27	KLA	P0H0263
1,1-Dichloroethane	BRL	ug/L	1.0	0.096	1	8260B	8/11/10 21:27	KLA	P0H0263
1,1-Dichloroethylene	BRL	ug/L	1.0	0.078	1	8260B	8/11/10 21:27	KLA	P0H0263
1,1-Dichloropropylene	BRL	ug/L	1.0	0.061	1	8260B	8/11/10 21:27	KLA	P0H0263
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.20	1	8260B	8/11/10 21:27	KLA	P0H0263
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	8/11/10 21:27	KLA	P0H0263
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.10	1	8260B	8/11/10 21:27	KLA	P0H0263

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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-1
 Prism Sample ID: 0080168-29
 Prism Work Order: 0080168
 Time Collected: 08/03/10 13:40
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trimethylbenzene	BRL	ug/L	1.0	0.048	1	8260B	8/11/10 21:27	KLA	P0H0263
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	8/11/10 21:27	KLA	P0H0263
1,2-Dibromoethane	BRL	ug/L	1.0	0.14	1	8260B	8/11/10 21:27	KLA	P0H0263
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	8/11/10 21:27	KLA	P0H0263
1,2-Dichloroethane	BRL	ug/L	1.0	0.14	1	8260B	8/11/10 21:27	KLA	P0H0263
1,2-Dichloropropane	BRL	ug/L	1.0	0.13	1	8260B	8/11/10 21:27	KLA	P0H0263
1,3,5-Trimethylbenzene	BRL	ug/L	1.0	0.057	1	8260B	8/11/10 21:27	KLA	P0H0263
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.074	1	8260B	8/11/10 21:27	KLA	P0H0263
1,3-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	8/11/10 21:27	KLA	P0H0263
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.068	1	8260B	8/11/10 21:27	KLA	P0H0263
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	8/11/10 21:27	KLA	P0H0263
2-Chloroethyl Vinyl Ether	BRL	ug/L	2.0	0.22	1	8260B	8/11/10 21:27	KLA	P0H0263
2-Chlorotoluene	BRL	ug/L	1.0	0.038	1	8260B	8/11/10 21:27	KLA	P0H0263
4-Chlorotoluene	BRL	ug/L	1.0	0.053	1	8260B	8/11/10 21:27	KLA	P0H0263
4-Isopropyltoluene	BRL	ug/L	1.0	0.065	1	8260B	8/11/10 21:27	KLA	P0H0263
Acetone	BRL	ug/L	10	0.62	1	8260B	8/11/10 21:27	KLA	P0H0263
Acrolein	BRL	ug/L	100	1.1	1	8260B	8/11/10 21:27	KLA	P0H0263
Acrylonitrile	BRL	ug/L	100	0.86	1	8260B	8/11/10 21:27	KLA	P0H0263
Benzene	BRL	ug/L	1.0	0.072	1	8260B	8/11/10 21:27	KLA	P0H0263
Bromobenzene	BRL	ug/L	1.0	0.064	1	8260B	8/11/10 21:27	KLA	P0H0263
Bromochloromethane	BRL	ug/L	1.0	0.13	1	8260B	8/11/10 21:27	KLA	P0H0263
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	8/11/10 21:27	KLA	P0H0263
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	8/11/10 21:27	KLA	P0H0263
Bromomethane	BRL	ug/L	3.0	0.47	1	8260B	8/11/10 21:27	KLA	P0H0263
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	8/11/10 21:27	KLA	P0H0263
Carbon Tetrachloride	BRL	ug/L	2.0	0.12	1	8260B	8/11/10 21:27	KLA	P0H0263
Chlorobenzene	BRL	ug/L	1.0	0.061	1	8260B	8/11/10 21:27	KLA	P0H0263
Chloroethane	BRL	ug/L	5.0	0.13	1	8260B	8/11/10 21:27	KLA	P0H0263
Chloroform	BRL	ug/L	1.0	0.089	1	8260B	8/11/10 21:27	KLA	P0H0263
Chloromethane	BRL	ug/L	2.0	0.11	1	8260B	8/11/10 21:27	KLA	P0H0263
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.076	1	8260B	8/11/10 21:27	KLA	P0H0263
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.10	1	8260B	8/11/10 21:27	KLA	P0H0263
Dibromochloromethane	BRL	ug/L	1.0	0.30	1	8260B	8/11/10 21:27	KLA	P0H0263
Dibromomethane	BRL	ug/L	1.0	0.13	1	8260B	8/11/10 21:27	KLA	P0H0263
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	8/11/10 21:27	KLA	P0H0263
Ethylbenzene	BRL	ug/L	1.0	0.067	1	8260B	8/11/10 21:27	KLA	P0H0263
Hexachlorobutadiene	BRL	ug/L	2.0	0.36	1	8260B	8/11/10 21:27	KLA	P0H0263
Isopropyl Ether	BRL	ug/L	1.0	0.043	1	8260B	8/11/10 21:27	KLA	P0H0263
Isopropylbenzene (Cumene)	BRL	ug/L	1.0	0.072	1	8260B	8/11/10 21:27	KLA	P0H0263
m,p-Xylenes	BRL	ug/L	2.0	0.081	1	8260B	8/11/10 21:27	KLA	P0H0263
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	8/11/10 21:27	KLA	P0H0263
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.90	1	8260B	8/11/10 21:27	KLA	P0H0263
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	8/11/10 21:27	KLA	P0H0263

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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-1
 Prism Sample ID: 0080168-29
 Prism Work Order: 0080168
 Time Collected: 08/03/10 13:40
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	2.0	0.44	1	8260B	8/11/10 21:27	KLA	P0H0263
Methyl-tert-Butyl Ether	BRL	ug/L	1.0	0.070	1	8260B	8/11/10 21:27	KLA	P0H0263
Naphthalene	BRL	ug/L	1.0	0.098	1	8260B	8/11/10 21:27	KLA	P0H0263
n-Butylbenzene	BRL	ug/L	1.0	0.11	1	8260B	8/11/10 21:27	KLA	P0H0263
n-Propylbenzene	BRL	ug/L	1.0	0.060	1	8260B	8/11/10 21:27	KLA	P0H0263
o-Xylene	BRL	ug/L	1.0	0.046	1	8260B	8/11/10 21:27	KLA	P0H0263
sec-Butylbenzene	BRL	ug/L	1.0	0.087	1	8260B	8/11/10 21:27	KLA	P0H0263
Styrene	BRL	ug/L	1.0	0.047	1	8260B	8/11/10 21:27	KLA	P0H0263
tert-Butylbenzene	BRL	ug/L	1.0	0.080	1	8260B	8/11/10 21:27	KLA	P0H0263
Tetrachloroethylene	BRL	ug/L	1.0	0.069	1	8260B	8/11/10 21:27	KLA	P0H0263
Toluene	BRL	ug/L	1.0	0.042	1	8260B	8/11/10 21:27	KLA	P0H0263
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.12	1	8260B	8/11/10 21:27	KLA	P0H0263
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.043	1	8260B	8/11/10 21:27	KLA	P0H0263
Trichloroethylene	BRL	ug/L	2.0	0.054	1	8260B	8/11/10 21:27	KLA	P0H0263
Trichlorofluoromethane	BRL	ug/L	2.0	0.088	1	8260B	8/11/10 21:27	KLA	P0H0263
Vinyl acetate	BRL	ug/L	20	0.10	1	8260B	8/11/10 21:27	KLA	P0H0263
Vinyl chloride	BRL	ug/L	2.0	0.16	1	8260B	8/11/10 21:27	KLA	P0H0263

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	104 %	80-124
Dibromofluoromethane	98 %	75-129
Toluene-d8	102 %	77-123

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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-20
 Prism Sample ID: 0080168-30
 Prism Work Order: 0080168
 Time Collected: 08/03/10 14:15
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.2	1	8270D	8/21/10 19:19	CGP	P0H0172
1,2-Dichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/21/10 19:19	CGP	P0H0172
1,3-Dichlorobenzene	BRL	ug/L	10	1.8	1	8270D	8/21/10 19:19	CGP	P0H0172
1,4-Dichlorobenzene	BRL	ug/L	10	2.0	1	8270D	8/21/10 19:19	CGP	P0H0172
2,4,5-Trichlorophenol	BRL	ug/L	10	2.5	1	8270D	8/21/10 19:19	CGP	P0H0172
2,4,6-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	8/21/10 19:19	CGP	P0H0172
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 19:19	CGP	P0H0172
2,4-Dimethylphenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 19:19	CGP	P0H0172
2,4-Dinitrophenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 19:19	CGP	P0H0172
2,4-Dinitrotoluene	BRL	ug/L	10	0.95	1	8270D	8/21/10 19:19	CGP	P0H0172
2,6-Dinitrotoluene	BRL	ug/L	10	1.6	1	8270D	8/21/10 19:19	CGP	P0H0172
2-Chloronaphthalene	BRL	ug/L	10	2.3	1	8270D	8/21/10 19:19	CGP	P0H0172
2-Chlorophenol	BRL	ug/L	10	2.1	1	8270D	8/21/10 19:19	CGP	P0H0172
2-Methylnaphthalene	BRL	ug/L	10	2.6	1	8270D	8/21/10 19:19	CGP	P0H0172
2-Methylphenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 19:19	CGP	P0H0172
2-Nitroaniline	BRL	ug/L	10	1.9	1	8270D	8/21/10 19:19	CGP	P0H0172
2-Nitrophenol	BRL	ug/L	10	2.5	1	8270D	8/21/10 19:19	CGP	P0H0172
3,3'-Dichlorobenzidine	BRL	ug/L	10	0.96	1	8270D	8/21/10 19:19	CGP	P0H0172
3/4-Methylphenol	BRL	ug/L	10	2.4	1	8270D	8/21/10 19:19	CGP	P0H0172
3-Nitroaniline	BRL	ug/L	10	1.3	1	8270D	8/21/10 19:19	CGP	P0H0172
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.7	1	8270D	8/21/10 19:19	CGP	P0H0172
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	8/21/10 19:19	CGP	P0H0172
4-Chloro-3-methylphenol	BRL	ug/L	10	2.3	1	8270D	8/21/10 19:19	CGP	P0H0172
4-Chloroaniline	BRL	ug/L	10	2.5	1	8270D	8/21/10 19:19	CGP	P0H0172
4-Chlorophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	8/21/10 19:19	CGP	P0H0172
4-Nitroaniline	BRL	ug/L	10	0.91	1	8270D	8/21/10 19:19	CGP	P0H0172
4-Nitrophenol	BRL	ug/L	50	2.6	1	8270D	8/21/10 19:19	CGP	P0H0172
Acenaphthene	BRL	ug/L	10	2.1	1	8270D	8/21/10 19:19	CGP	P0H0172
Acenaphthylene	BRL	ug/L	10	2.2	1	8270D	8/21/10 19:19	CGP	P0H0172
Aniline	BRL	ug/L	10	2.2	1	8270D	8/21/10 19:19	CGP	P0H0172
Anthracene	BRL	ug/L	10	1.2	1	8270D	8/21/10 19:19	CGP	P0H0172
Azobenzene	BRL	ug/L	10	1.8	1	8270D	8/21/10 19:19	CGP	P0H0172
Benzo(a)anthracene	BRL	ug/L	10	0.95	1	8270D	8/21/10 19:19	CGP	P0H0172
Benzo(a)pyrene	BRL	ug/L	10	1.1	1	8270D	8/21/10 19:19	CGP	P0H0172
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	8/21/10 19:19	CGP	P0H0172
Benzo(g,h,i)perylene	BRL	ug/L	10	2.1	1	8270D	8/21/10 19:19	CGP	P0H0172
Benzo(k)fluoranthene	BRL	ug/L	10	1.1	1	8270D	8/21/10 19:19	CGP	P0H0172
Benzoic Acid	BRL	ug/L	100	50	1	8270D	8/21/10 19:19	CGP	P0H0172
Benzyl alcohol	BRL	ug/L	10	2.1	1	8270D	8/21/10 19:19	CGP	P0H0172
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	8/21/10 19:19	CGP	P0H0172
Bis(2-Chloroethyl)ether	BRL	ug/L	10	1.9	1	8270D	8/21/10 19:19	CGP	P0H0172
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.3	1	8270D	8/21/10 19:19	CGP	P0H0172

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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-20
 Prism Sample ID: 0080168-30
 Prism Work Order: 0080168
 Time Collected: 08/03/10 14:15
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	1.8	1	8270D	8/21/10 19:19	CGP	P0H0172
Butyl benzyl phthalate	BRL	ug/L	10	1.5	1	8270D	8/21/10 19:19	CGP	P0H0172
Chrysene	BRL	ug/L	10	1.2	1	8270D	8/21/10 19:19	CGP	P0H0172
Dibenzo(a,h)anthracene	BRL	ug/L	10	1.8	1	8270D	8/21/10 19:19	CGP	P0H0172
Dibenzofuran	BRL	ug/L	10	2.2	1	8270D	8/21/10 19:19	CGP	P0H0172
Diethyl phthalate	BRL	ug/L	10	1.4	1	8270D	8/21/10 19:19	CGP	P0H0172
Dimethyl phthalate	BRL	ug/L	10	1.6	1	8270D	8/21/10 19:19	CGP	P0H0172
Di-n-butyl phthalate	BRL	ug/L	10	1.8	1	8270D	8/21/10 19:19	CGP	P0H0172
Di-n-octyl phthalate	BRL	ug/L	10	1.9	1	8270D	8/21/10 19:19	CGP	P0H0172
Fluoranthene	BRL	ug/L	10	0.94	1	8270D	8/21/10 19:19	CGP	P0H0172
Fluorene	BRL	ug/L	10	1.8	1	8270D	8/21/10 19:19	CGP	P0H0172
Hexachlorobenzene	BRL	ug/L	10	1.4	1	8270D	8/21/10 19:19	CGP	P0H0172
Hexachlorobutadiene	BRL	ug/L	10	2.3	1	8270D	8/21/10 19:19	CGP	P0H0172
Hexachlorocyclopentadiene	BRL	ug/L	10	1.8	1	8270D	8/21/10 19:19	CGP	P0H0172
Hexachloroethane	BRL	ug/L	10	1.9	1	8270D	8/21/10 19:19	CGP	P0H0172
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	1.6	1	8270D	8/21/10 19:19	CGP	P0H0172
Isophorone	BRL	ug/L	10	2.4	1	8270D	8/21/10 19:19	CGP	P0H0172
Naphthalene	BRL	ug/L	10	2.3	1	8270D	8/21/10 19:19	CGP	P0H0172
Nitrobenzene	BRL	ug/L	10	2.0	1	8270D	8/21/10 19:19	CGP	P0H0172
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.3	1	8270D	8/21/10 19:19	CGP	P0H0172
N-Nitrosodiphenylamine	BRL	ug/L	10	1.6	1	8270D	8/21/10 19:19	CGP	P0H0172
Pentachlorophenol	BRL	ug/L	10	1.6	1	8270D	8/21/10 19:19	CGP	P0H0172
Phenanthrene	BRL	ug/L	10	1.2	1	8270D	8/21/10 19:19	CGP	P0H0172
Phenol	BRL	ug/L	10	2.2	1	8270D	8/21/10 19:19	CGP	P0H0172
Pyrene	BRL	ug/L	10	1.4	1	8270D	8/21/10 19:19	CGP	P0H0172

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	75 %	26-139
2-Fluorobiphenyl	62 %	41-112
2-Fluorophenol	26 %	10-48
Nitrobenzene-d5	62 %	34-102
Phenol-d5	15 %	10-34
Terphenyl-d14	83 %	31-165

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	1.0	0.15	1	8260B	8/11/10 21:57	KLA	P0H0263
1,1,1-Trichloroethane	BRL	ug/L	1.0	0.063	1	8260B	8/11/10 21:57	KLA	P0H0263
1,1,2,2-Tetrachloroethane	BRL	ug/L	1.0	0.071	1	8260B	8/11/10 21:57	KLA	P0H0263
1,1,2-Trichloroethane	BRL	ug/L	1.0	0.17	1	8260B	8/11/10 21:57	KLA	P0H0263
1,1-Dichloroethane	BRL	ug/L	1.0	0.096	1	8260B	8/11/10 21:57	KLA	P0H0263
1,1-Dichloroethylene	BRL	ug/L	1.0	0.078	1	8260B	8/11/10 21:57	KLA	P0H0263
1,1-Dichloropropylene	BRL	ug/L	1.0	0.061	1	8260B	8/11/10 21:57	KLA	P0H0263
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.20	1	8260B	8/11/10 21:57	KLA	P0H0263
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.081	1	8260B	8/11/10 21:57	KLA	P0H0263
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.10	1	8260B	8/11/10 21:57	KLA	P0H0263

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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-20
 Prism Sample ID: 0080168-30
 Prism Work Order: 0080168
 Time Collected: 08/03/10 14:15
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trimethylbenzene	1.5	ug/L	1.0	0.048	1	8260B	8/11/10 21:57	KLA	P0H0263
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.59	1	8260B	8/11/10 21:57	KLA	P0H0263
1,2-Dibromoethane	BRL	ug/L	1.0	0.14	1	8260B	8/11/10 21:57	KLA	P0H0263
1,2-Dichlorobenzene	BRL	ug/L	1.0	0.076	1	8260B	8/11/10 21:57	KLA	P0H0263
1,2-Dichloroethane	BRL	ug/L	1.0	0.14	1	8260B	8/11/10 21:57	KLA	P0H0263
1,2-Dichloropropane	BRL	ug/L	1.0	0.13	1	8260B	8/11/10 21:57	KLA	P0H0263
1,3,5-Trimethylbenzene	0.64 J	ug/L	1.0	0.057	1	8260B	8/11/10 21:57	KLA	P0H0263
1,3-Dichlorobenzene	BRL	ug/L	1.0	0.074	1	8260B	8/11/10 21:57	KLA	P0H0263
1,3-Dichloropropane	BRL	ug/L	1.0	0.11	1	8260B	8/11/10 21:57	KLA	P0H0263
1,4-Dichlorobenzene	BRL	ug/L	1.0	0.068	1	8260B	8/11/10 21:57	KLA	P0H0263
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	8/11/10 21:57	KLA	P0H0263
2-Chloroethyl Vinyl Ether	BRL	ug/L	2.0	0.22	1	8260B	8/11/10 21:57	KLA	P0H0263
2-Chlorotoluene	BRL	ug/L	1.0	0.038	1	8260B	8/11/10 21:57	KLA	P0H0263
4-Chlorotoluene	BRL	ug/L	1.0	0.053	1	8260B	8/11/10 21:57	KLA	P0H0263
4-Isopropyltoluene	BRL	ug/L	1.0	0.065	1	8260B	8/11/10 21:57	KLA	P0H0263
Acetone	BRL	ug/L	10	0.62	1	8260B	8/11/10 21:57	KLA	P0H0263
Acrolein	BRL	ug/L	100	1.1	1	8260B	8/11/10 21:57	KLA	P0H0263
Acrylonitrile	BRL	ug/L	100	0.86	1	8260B	8/11/10 21:57	KLA	P0H0263
Benzene	3.6	ug/L	1.0	0.072	1	8260B	8/11/10 21:57	KLA	P0H0263
Bromobenzene	BRL	ug/L	1.0	0.064	1	8260B	8/11/10 21:57	KLA	P0H0263
Bromochloromethane	BRL	ug/L	1.0	0.13	1	8260B	8/11/10 21:57	KLA	P0H0263
Bromodichloromethane	BRL	ug/L	1.0	0.062	1	8260B	8/11/10 21:57	KLA	P0H0263
Bromoform	BRL	ug/L	1.0	0.27	1	8260B	8/11/10 21:57	KLA	P0H0263
Bromomethane	BRL	ug/L	3.0	0.47	1	8260B	8/11/10 21:57	KLA	P0H0263
Carbon disulfide	BRL	ug/L	5.0	1.4	1	8260B	8/11/10 21:57	KLA	P0H0263
Carbon Tetrachloride	BRL	ug/L	2.0	0.12	1	8260B	8/11/10 21:57	KLA	P0H0263
Chlorobenzene	BRL	ug/L	1.0	0.061	1	8260B	8/11/10 21:57	KLA	P0H0263
Chloroethane	BRL	ug/L	5.0	0.13	1	8260B	8/11/10 21:57	KLA	P0H0263
Chloroform	BRL	ug/L	1.0	0.089	1	8260B	8/11/10 21:57	KLA	P0H0263
Chloromethane	BRL	ug/L	2.0	0.11	1	8260B	8/11/10 21:57	KLA	P0H0263
cis-1,2-Dichloroethylene	BRL	ug/L	1.0	0.076	1	8260B	8/11/10 21:57	KLA	P0H0263
cis-1,3-Dichloropropylene	BRL	ug/L	1.0	0.10	1	8260B	8/11/10 21:57	KLA	P0H0263
Dibromochloromethane	BRL	ug/L	1.0	0.30	1	8260B	8/11/10 21:57	KLA	P0H0263
Dibromomethane	BRL	ug/L	1.0	0.13	1	8260B	8/11/10 21:57	KLA	P0H0263
Dichlorodifluoromethane	BRL	ug/L	2.0	0.11	1	8260B	8/11/10 21:57	KLA	P0H0263
Ethylbenzene	8.6	ug/L	1.0	0.067	1	8260B	8/11/10 21:57	KLA	P0H0263
Hexachlorobutadiene	BRL	ug/L	2.0	0.36	1	8260B	8/11/10 21:57	KLA	P0H0263
Isopropyl Ether	7.7	ug/L	1.0	0.043	1	8260B	8/11/10 21:57	KLA	P0H0263
Isopropylbenzene (Cumene)	12	ug/L	1.0	0.072	1	8260B	8/11/10 21:57	KLA	P0H0263
m,p-Xylenes	2.1	ug/L	2.0	0.081	1	8260B	8/11/10 21:57	KLA	P0H0263
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.19	1	8260B	8/11/10 21:57	KLA	P0H0263
Methyl Ethyl Ketone (2-Butanone)	4.2 J	ug/L	5.0	0.90	1	8260B	8/11/10 21:57	KLA	P0H0263
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.12	1	8260B	8/11/10 21:57	KLA	P0H0263

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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's
 - 306 Elizabeth St.
 Project No.: WBS# 35742.1.1
 Sample Matrix: Water

Client Sample ID: 306-20
 Prism Sample ID: 0080168-30
 Prism Work Order: 0080168
 Time Collected: 08/03/10 14:15
 Time Submitted: 08/05/10 18:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methylene Chloride	BRL	ug/L	2.0	0.44	1	8260B	8/11/10 21:57	KLA	P0H0263
Methyl-tert-Butyl Ether	37	ug/L	1.0	0.070	1	8260B	8/11/10 21:57	KLA	P0H0263
Naphthalene	3.6	ug/L	1.0	0.098	1	8260B	8/11/10 21:57	KLA	P0H0263
n-Butylbenzene	2.2	ug/L	1.0	0.11	1	8260B	8/11/10 21:57	KLA	P0H0263
n-Propylbenzene	25	ug/L	1.0	0.060	1	8260B	8/11/10 21:57	KLA	P0H0263
o-Xylene	0.78 J	ug/L	1.0	0.046	1	8260B	8/11/10 21:57	KLA	P0H0263
sec-Butylbenzene	2.0	ug/L	1.0	0.087	1	8260B	8/11/10 21:57	KLA	P0H0263
Styrene	BRL	ug/L	1.0	0.047	1	8260B	8/11/10 21:57	KLA	P0H0263
tert-Butylbenzene	BRL	ug/L	1.0	0.080	1	8260B	8/11/10 21:57	KLA	P0H0263
Tetrachloroethylene	BRL	ug/L	1.0	0.069	1	8260B	8/11/10 21:57	KLA	P0H0263
Toluene	2.7	ug/L	1.0	0.042	1	8260B	8/11/10 21:57	KLA	P0H0263
trans-1,2-Dichloroethylene	BRL	ug/L	2.0	0.12	1	8260B	8/11/10 21:57	KLA	P0H0263
trans-1,3-Dichloropropylene	BRL	ug/L	1.0	0.043	1	8260B	8/11/10 21:57	KLA	P0H0263
Trichloroethylene	BRL	ug/L	2.0	0.054	1	8260B	8/11/10 21:57	KLA	P0H0263
Trichlorofluoromethane	BRL	ug/L	2.0	0.088	1	8260B	8/11/10 21:57	KLA	P0H0263
Vinyl acetate	BRL	ug/L	20	0.10	1	8260B	8/11/10 21:57	KLA	P0H0263
Vinyl chloride	BRL	ug/L	2.0	0.16	1	8260B	8/11/10 21:57	KLA	P0H0263

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	110 %	80-124
Dibromofluoromethane	93 %	75-129
Toluene-d8	99 %	77-123



Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's -
 306 Elizabeth St.
 Project No: WBS# 35742.1.1

Prism Work Order: 0080168
 Time Submitted: 8/5/10 6:05:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0263 - 5030B										
Blank (P0H0263-BLK1)										
Prepared & Analyzed: 08/11/10										
1,1,1,2-Tetrachloroethane	BRL	1.0	ug/L							
1,1,1-Trichloroethane	BRL	1.0	ug/L							
1,1,2,2-Tetrachloroethane	BRL	1.0	ug/L							
1,1,2-Trichloroethane	BRL	1.0	ug/L							
1,1-Dichloroethane	BRL	1.0	ug/L							
1,1-Dichloroethylene	BRL	1.0	ug/L							
1,1-Dichloropropylene	BRL	1.0	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	1.0	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	1.0	ug/L							
1,2-Dichlorobenzene	BRL	1.0	ug/L							
1,2-Dichloroethane	BRL	1.0	ug/L							
1,2-Dichloropropane	BRL	1.0	ug/L							
1,3,5-Trimethylbenzene	BRL	1.0	ug/L							
1,3-Dichlorobenzene	BRL	1.0	ug/L							
1,3-Dichloropropane	BRL	1.0	ug/L							
1,4-Dichlorobenzene	BRL	1.0	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	2.0	ug/L							
2-Chlorotoluene	BRL	1.0	ug/L							
4-Chlorotoluene	BRL	1.0	ug/L							
4-Isopropyltoluene	BRL	1.0	ug/L							
Acetone	BRL	10	ug/L							
Acrolein	BRL	100	ug/L							
Acrylonitrile	BRL	100	ug/L							
Benzene	BRL	1.0	ug/L							
Bromobenzene	BRL	1.0	ug/L							
Bromochloromethane	BRL	1.0	ug/L							
Bromodichloromethane	BRL	1.0	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	3.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							
Carbon Tetrachloride	BRL	2.0	ug/L							
Chlorobenzene	BRL	1.0	ug/L							
Chloroethane	BRL	5.0	ug/L							
Chloroform	BRL	1.0	ug/L							
Chloromethane	BRL	2.0	ug/L							
cis-1,2-Dichloroethylene	BRL	1.0	ug/L							
cis-1,3-Dichloropropylene	BRL	1.0	ug/L							
Dibromochloromethane	BRL	1.0	ug/L							
Dibromomethane	BRL	1.0	ug/L							
Dichlorodifluoromethane	BRL	2.0	ug/L							
Ethylbenzene	BRL	1.0	ug/L							

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Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's -
306 Elizabeth St.
Project No: WBS# 35742.1.1

Prism Work Order: 0080168
Time Submitted: 8/5/10 6:05:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0263 - 5030B										
Blank (P0H0263-BLK1)										
Prepared & Analyzed: 08/11/10										
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	1.0	ug/L							
Isopropylbenzene (Cumene)	BRL	1.0	ug/L							
m,p-Xylenes	BRL	2.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	2.0	ug/L							
Methyl-tert-Butyl Ether	BRL	1.0	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	1.0	ug/L							
o-Xylene	BRL	1.0	ug/L							
sec-Butylbenzene	BRL	1.0	ug/L							
Styrene	BRL	1.0	ug/L							
tert-Butylbenzene	BRL	1.0	ug/L							
Tetrachloroethylene	BRL	1.0	ug/L							
Toluene	BRL	1.0	ug/L							
trans-1,2-Dichloroethylene	BRL	2.0	ug/L							
trans-1,3-Dichloropropylene	BRL	1.0	ug/L							
Trichloroethylene	BRL	2.0	ug/L							
Trichlorofluoromethane	BRL	2.0	ug/L							
Vinyl acetate	BRL	20	ug/L							
Vinyl chloride	BRL	2.0	ug/L							
Surrogate: 4-Bromofluorobenzene	26.0		ug/L	25.0		104	80-124			
Surrogate: Dibromofluoromethane	23.7		ug/L	25.0		95	75-129			
Surrogate: Toluene-d8	24.3		ug/L	25.0		97	77-123			

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0263 - 5030B										
LCS (P0H0263-BS1)				Prepared & Analyzed: 08/11/10						
1,1-Dichloroethylene	51.1	1.0	ug/L	50.0		102	70-154			
Benzene	53.7	1.0	ug/L	50.0		107	77-128			
Carbon Tetrachloride	60.1	2.0	ug/L	50.0		120	72-142			
Chlorobenzene	51.7	1.0	ug/L	50.0		103	78-119			
Tetrachloroethylene	53.3	1.0	ug/L	50.0		107	80-129			
Toluene	53.6	1.0	ug/L	50.0		107	76-131			
Trichloroethylene	50.2	2.0	ug/L	50.0		100	77-133			
Surrogate: 4-Bromofluorobenzene	25.7		ug/L	25.0		103	80-124			
Surrogate: Dibromofluoromethane	24.2		ug/L	25.0		97	75-129			
Surrogate: Toluene-d8	22.4		ug/L	25.0		90	77-123			
LCS Dup (P0H0263-BSD1)				Prepared & Analyzed: 08/11/10						
1,1-Dichloroethylene	52.3	1.0	ug/L	50.0		105	70-154	2	200	
Benzene	50.6	1.0	ug/L	50.0		101	77-128	6	200	
Carbon Tetrachloride	55.4	2.0	ug/L	50.0		111	72-142	8	200	
Chlorobenzene	49.8	1.0	ug/L	50.0		100	78-119	4	200	
Tetrachloroethylene	50.7	1.0	ug/L	50.0		101	80-129	5	200	
Toluene	50.8	1.0	ug/L	50.0		102	76-131	5	200	
Trichloroethylene	48.2	2.0	ug/L	50.0		96	77-133	4	200	
Surrogate: 4-Bromofluorobenzene	25.2		ug/L	25.0		101	80-124			
Surrogate: Dibromofluoromethane	24.7		ug/L	25.0		99	75-129			
Surrogate: Toluene-d8	23.1		ug/L	25.0		93	77-123			

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Prism Work Order: 0080168
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0172 - 3510C MS										
Blank (P0H0172-BLK1)										
Prepared: 08/06/10 Analyzed: 08/21/10										
1,2,4-Trichlorobenzene	BRL	10	ug/L							
1,2-Dichlorobenzene	BRL	10	ug/L							
1,3-Dichlorobenzene	BRL	10	ug/L							
1,4-Dichlorobenzene	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	10	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	10	ug/L							
2-Methylphenol	BRL	10	ug/L							
2-Nitroaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	10	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	10	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	50	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	10	ug/L							
Aniline	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Azobenzene	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	3.80	10	ug/L							J
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
Benzoic Acid	BRL	100	ug/L							
Benzyl alcohol	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
Butyl benzyl phthalate	BRL	10	ug/L							
Chrysene	BRL	10	ug/L							
Dibenzo(a,h)anthracene	BRL	10	ug/L							

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 Project No: WBS# 35742.1.1

Prism Work Order: 0080168
 Time Submitted: 8/5/10 6:05:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0H0172 - 3510C MS

Blank (P0H0172-BLK1)

Prepared: 08/06/10 Analyzed: 08/21/10

Dibenzofuran	BRL	10	ug/L							
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	10	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
N-Nitroso-di-n-propylamine	BRL	10	ug/L							
N-Nitrosodiphenylamine	BRL	10	ug/L							
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	10	ug/L							
Phenol	BRL	10	ug/L							
Pyrene	BRL	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	78.4		ug/L	100		78	26-139			
Surrogate: 2-Fluorobiphenyl	40.1		ug/L	50.0		80	41-112			
Surrogate: 2-Fluorophenol	52.6		ug/L	100		53	10-48			SR
Surrogate: Nitrobenzene-d5	42.9		ug/L	50.0		86	34-102			
Surrogate: Phenol-d5	32.1		ug/L	100		32	10-34			
Surrogate: Terphenyl-d14	49.6		ug/L	50.0		99	31-165			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0172 - 3510C MS										
LCS (P0H0172-BS1)										
Prepared: 08/06/10 Analyzed: 08/21/10										
1,2,4-Trichlorobenzene	28.5	10	ug/L	50.0		57	39-102			
1,2-Dichlorobenzene	27.6	10	ug/L	50.0		55	46-90			
1,3-Dichlorobenzene	26.7	10	ug/L	50.0		53	31-100			
1,4-Dichlorobenzene	27.6	10	ug/L	50.0		55	45-89			
2,4,5-Trichlorophenol	41.3	10	ug/L	50.0		83	60-108			
2,4,6-Trichlorophenol	42.1	10	ug/L	50.0		84	48-118			
2,4-Dichlorophenol	39.6	10	ug/L	50.0		79	38-107			
2,4-Dimethylphenol	36.9	10	ug/L	50.0		74	26-108			
2,4-Dinitrophenol	32.0	10	ug/L	50.0		64	10-157			
2,4-Dinitrotoluene	45.1	10	ug/L	50.0		90	61-139			
2,6-Dinitrotoluene	45.1	10	ug/L	50.0		90	55-141			
2-Chloronaphthalene	35.0	10	ug/L	50.0		70	46-114			
2-Chlorophenol	35.9	10	ug/L	50.0		72	39-80			
2-Methylnaphthalene	34.3	10	ug/L	50.0		69	39-107			
2-Methylphenol	30.3	10	ug/L	50.0		61	24-73			
2-Nitroaniline	44.4	10	ug/L	50.0		89	65-123			
2-Nitrophenol	40.2	10	ug/L	50.0		80	40-111			
3,3'-Dichlorobenzidine	45.2	10	ug/L	50.0		90	25-203			
3/4-Methylphenol	28.3	10	ug/L	50.0		57	22-84			
3-Nitroaniline	50.6	10	ug/L	50.0		101	66-131			
4,6-Dinitro-2-methylphenol	40.4	10	ug/L	50.0		81	31-155			
4-Bromophenyl phenyl ether	44.7	10	ug/L	50.0		89	50-131			
4-Chloro-3-methylphenol	39.8	10	ug/L	50.0		80	48-94			
4-Chloroaniline	70.3	10	ug/L	50.0		141	45-120			LH
4-Chlorophenyl phenyl ether	42.8	10	ug/L	50.0		86	55-125			
4-Nitroaniline	52.4	10	ug/L	50.0		105	63-138			
4-Nitrophenol	13.0	50	ug/L	50.0		26	10-89			J
Acenaphthene	38.3	10	ug/L	50.0		77	53-118			
Acenaphthylene	38.2	10	ug/L	50.0		76	52-121			
Aniline	79.0	10	ug/L	50.0		158	24-105			LH
Anthracene	44.4	10	ug/L	50.0		89	59-138			
Azobenzene	44.2	10	ug/L	50.0		88	65-123			
Benzo(a)anthracene	44.5	10	ug/L	50.0		89	63-138			
Benzo(a)pyrene	42.2	10	ug/L	50.0		84	67-142			
Benzo(b)fluoranthene	40.9	10	ug/L	50.0		82	58-151			
Benzo(g,h,i)perylene	45.3	10	ug/L	50.0		91	47-151			
Benzo(k)fluoranthene	42.8	10	ug/L	50.0		86	45-155			
Benzoic Acid	BRL	100	ug/L	50.0			10-125			P
Benzyl alcohol	27.5	10	ug/L	50.0		55	25-77			
bis(2-Chloroethoxy)methane	42.4	10	ug/L	50.0		85	42-119			
Bis(2-Chloroethyl)ether	40.5	10	ug/L	50.0		81	38-109			
Bis(2-chloroisopropyl)ether	39.0	10	ug/L	50.0		78	31-117			
Bis(2-Ethylhexyl)phthalate	52.2	10	ug/L	50.0		104	52-165			
Butyl benzyl phthalate	51.9	10	ug/L	50.0		104	51-162			
Chrysene	42.1	10	ug/L	50.0		84	59-137			
Dibenzo(a,h)anthracene	42.4	10	ug/L	50.0		85	43-161			

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Project: NCDOT Elizabeth City PSA's -
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 Project No: WBS# 35742.1.1

Prism Work Order: 0080168
 Time Submitted: 8/5/10 6:05:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0H0172 - 3510C MS

LCS (P0H0172-BS1)		Prepared: 08/06/10 Analyzed: 08/21/10								
Dibenzofuran	39.9	10	ug/L	50.0		80	63-115			
Diethyl phthalate	47.0	10	ug/L	50.0		94	54-135			
Dimethyl phthalate	45.9	10	ug/L	50.0		92	46-135			
Di-n-butyl phthalate	49.8	10	ug/L	50.0		100	51-142			
Di-n-octyl phthalate	45.9	10	ug/L	50.0		92	54-160			
Fluoranthene	42.9	10	ug/L	50.0		86	52-137			
Fluorene	40.7	10	ug/L	50.0		81	56-122			
Hexachlorobenzene	41.4	10	ug/L	50.0		83	57-129			
Hexachlorobutadiene	27.1	10	ug/L	50.0		54	34-110			
Hexachlorocyclopentadiene	24.7	10	ug/L	50.0		49	27-120			
Hexachloroethane	25.5	10	ug/L	50.0		51	37-98			
Indeno(1,2,3-cd)pyrene	43.4	10	ug/L	50.0		87	24-172			
Isophorone	47.3	10	ug/L	50.0		95	44-117			
Naphthalene	33.4	10	ug/L	50.0		67	37-108			
Nitrobenzene	40.4	10	ug/L	50.0		81	29-120			
N-Nitroso-di-n-propylamine	39.2	10	ug/L	50.0		78	42-115			
N-Nitrosodiphenylamine	58.0	10	ug/L	50.0		116	69-142			
Pentachlorophenol	25.2	10	ug/L	50.0		50	42-156			
Phenanthrene	42.9	10	ug/L	50.0		86	60-133			
Phenol	13.8	10	ug/L	50.0		28	10-47			
Pyrene	46.0	10	ug/L	50.0		92	50-152			
Surrogate: 2,4,6-Tribromophenol	90.3		ug/L	100		90	26-139			
Surrogate: 2-Fluorobiphenyl	39.6		ug/L	50.0		79	41-112			
Surrogate: 2-Fluorophenol	40.3		ug/L	100		40	10-48			
Surrogate: Nitrobenzene-d5	40.3		ug/L	50.0		81	34-102			
Surrogate: Phenol-d5	23.7		ug/L	100		24	10-34			
Surrogate: Terphenyl-d14	40.9		ug/L	50.0		82	31-165			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0172 - 3510C MS										
LCS Dup (P0H0172-BSD1)										
					Prepared: 08/06/10 Analyzed: 08/21/10					
1,2,4-Trichlorobenzene	30.4	10	ug/L	50.0	61	39-102	7	200		
1,2-Dichlorobenzene	30.4	10	ug/L	50.0	61	46-90	10	200		
1,3-Dichlorobenzene	29.6	10	ug/L	50.0	59	31-100	10	200		
1,4-Dichlorobenzene	30.1	10	ug/L	50.0	60	45-89	9	200		
2,4,5-Trichlorophenol	43.8	10	ug/L	50.0	88	60-108	6	200		
2,4,6-Trichlorophenol	45.1	10	ug/L	50.0	90	48-118	7	200		
2,4-Dichlorophenol	41.4	10	ug/L	50.0	83	38-107	4	200		
2,4-Dimethylphenol	37.7	10	ug/L	50.0	75	26-108	2	200		
2,4-Dinitrophenol	34.6	10	ug/L	50.0	69	10-157	8	200		
2,4-Dinitrotoluene	48.8	10	ug/L	50.0	98	61-139	8	200		
2,6-Dinitrotoluene	48.8	10	ug/L	50.0	98	55-141	8	200		
2-Chloronaphthalene	36.4	10	ug/L	50.0	73	46-114	4	200		
2-Chlorophenol	37.0	10	ug/L	50.0	74	39-80	3	200		
2-Methylnaphthalene	36.8	10	ug/L	50.0	74	39-107	7	200		
2-Methylphenol	30.7	10	ug/L	50.0	61	24-73	1	200		
2-Nitroaniline	47.4	10	ug/L	50.0	95	65-123	6	200		
2-Nitrophenol	42.6	10	ug/L	50.0	85	40-111	6	200		
3,3'-Dichlorobenzidine	53.8	10	ug/L	50.0	108	25-203	17	200		
3/4-Methylphenol	27.8	10	ug/L	50.0	56	22-84	2	200		
3-Nitroaniline	55.6	10	ug/L	50.0	111	66-131	9	200		
4,6-Dinitro-2-methylphenol	42.5	10	ug/L	50.0	85	31-155	5	200		
4-Bromophenyl phenyl ether	46.1	10	ug/L	50.0	92	50-131	3	200		
4-Chloro-3-methylphenol	41.4	10	ug/L	50.0	83	48-94	4	200		
4-Chloroaniline	76.0	10	ug/L	50.0	152	45-120	8	200		LH
4-Chlorophenyl phenyl ether	45.3	10	ug/L	50.0	91	55-125	6	200		
4-Nitroaniline	60.8	10	ug/L	50.0	122	63-138	15	200		
4-Nitrophenol	12.8	50	ug/L	50.0	26	10-89	1	200		J
Acenaphthene	40.9	10	ug/L	50.0	82	53-118	7	200		
Acenaphthylene	42.0	10	ug/L	50.0	84	52-121	9	200		
Aniline	89.7	10	ug/L	50.0	179	24-105	13	200		LH
Anthracene	47.8	10	ug/L	50.0	96	59-138	7	200		
Azobenzene	46.2	10	ug/L	50.0	92	65-123	4	200		
Benzo(a)anthracene	46.8	10	ug/L	50.0	94	63-138	5	200		
Benzo(a)pyrene	45.3	10	ug/L	50.0	91	67-142	7	200		
Benzo(b)fluoranthene	43.6	10	ug/L	50.0	87	58-151	6	200		
Benzo(g,h,i)perylene	49.1	10	ug/L	50.0	98	47-151	8	200		
Benzo(k)fluoranthene	43.7	10	ug/L	50.0	87	45-155	2	200		
Benzoic Acid	BRL	100	ug/L	50.0		10-125		200		P
Benzyl alcohol	27.2	10	ug/L	50.0	54	25-77	1	200		
bis(2-Chloroethoxy)methane	45.1	10	ug/L	50.0	90	42-119	6	200		
Bis(2-Chloroethyl)ether	43.0	10	ug/L	50.0	86	38-109	6	200		
Bis(2-chloroisopropyl)ether	42.4	10	ug/L	50.0	85	31-117	8	200		
Bis(2-Ethylhexyl)phthalate	54.5	10	ug/L	50.0	109	52-165	4	200		
Butyl benzyl phthalate	53.2	10	ug/L	50.0	106	51-162	3	200		
Chrysene	45.4	10	ug/L	50.0	91	59-137	8	200		
Dibenzo(a,h)anthracene	46.6	10	ug/L	50.0	93	43-161	9	200		

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Solutions IES (NCDOT Project)
 Attn: Jody Overmyer
 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's -
 306 Elizabeth St.
 Project No: WBS# 35742.1.1

Prism Work Order: 0080168
 Time Submitted: 8/5/10 6:05:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0172 - 3510C MS										
LCS Dup (P0H0172-BSD1)										
					Prepared: 08/06/10 Analyzed: 08/21/10					
Dibenzofuran	42.7	10	ug/L	50.0		85	63-115	7	200	
Diethyl phthalate	50.6	10	ug/L	50.0		101	54-135	7	200	
Dimethyl phthalate	48.9	10	ug/L	50.0		98	46-135	6	200	
Di-n-butyl phthalate	54.5	10	ug/L	50.0		109	51-142	9	200	
Di-n-octyl phthalate	45.6	10	ug/L	50.0		91	54-160	0.7	200	
Fluoranthene	47.4	10	ug/L	50.0		95	52-137	10	200	
Fluorene	44.0	10	ug/L	50.0		88	56-122	8	200	
Hexachlorobenzene	44.0	10	ug/L	50.0		88	57-129	6	200	
Hexachlorobutadiene	29.8	10	ug/L	50.0		60	34-110	9	200	
Hexachlorocyclopentadiene	27.5	10	ug/L	50.0		55	27-120	11	200	
Hexachloroethane	28.5	10	ug/L	50.0		57	37-98	11	200	
Indeno(1,2,3-cd)pyrene	50.9	10	ug/L	50.0		102	24-172	16	200	
Isophorone	49.8	10	ug/L	50.0		100	44-117	5	200	
Naphthalene	36.1	10	ug/L	50.0		72	37-108	8	200	
Nitrobenzene	43.0	10	ug/L	50.0		86	29-120	6	200	
N-Nitroso-di-n-propylamine	41.7	10	ug/L	50.0		83	42-115	6	200	
N-Nitrosodiphenylamine	60.4	10	ug/L	50.0		121	69-142	4	200	
Pentachlorophenol	28.1	10	ug/L	50.0		56	42-156	11	200	
Phenanthrene	45.7	10	ug/L	50.0		91	60-133	6	200	
Phenol	13.4	10	ug/L	50.0		27	10-47	3	200	
Pyrene	45.2	10	ug/L	50.0		90	50-152	2	200	
Surrogate: 2,4,6-Tribromophenol	98.7		ug/L	100		99	26-139			
Surrogate: 2-Fluorobiphenyl	42.7		ug/L	50.0		85	41-112			
Surrogate: 2-Fluorophenol	39.1		ug/L	100		39	10-48			
Surrogate: Nitrobenzene-d5	43.0		ug/L	50.0		86	34-102			
Surrogate: Phenol-d5	22.3		ug/L	100		22	10-34			
Surrogate: Terphenyl-d14	41.0		ug/L	50.0		82	31-165			

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Project: NCDOT Elizabeth City PSA's -
 306 Elizabeth St.
 Project No: WBS# 35742.1.1

Prism Work Order: 0080168
 Time Submitted: 8/5/10 6:05:00PM

Gasoline Range Organics by GC/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0224 - 5035										
Blank (P0H0224-BLK1)				Prepared & Analyzed: 08/10/10						
Gasoline Range Organics	BRL	5.0	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	5.10		mg/kg wet	5.00		102	55-129			
LCS (P0H0224-BS1)				Prepared & Analyzed: 08/10/10						
Gasoline Range Organics	45.3	5.0	mg/kg wet	50.0		91	67-116			
Surrogate: a,a,a-Trifluorotoluene	5.55		mg/kg wet	5.00		111	55-129			
LCS Dup (P0H0224-BSD1)				Prepared & Analyzed: 08/10/10						
Gasoline Range Organics	46.8	5.0	mg/kg wet	50.0		94	67-116	3	200	
Surrogate: a,a,a-Trifluorotoluene	5.65		mg/kg wet	5.00		113	55-129			
Batch P0H0260 - 5035										
Blank (P0H0260-BLK1)				Prepared & Analyzed: 08/11/10						
Gasoline Range Organics	BRL	5.0	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	5.05		mg/kg wet	5.00		101	55-129			
LCS (P0H0260-BS1)				Prepared & Analyzed: 08/11/10						
Gasoline Range Organics	44.8	5.0	mg/kg wet	50.0		90	67-116			
Surrogate: a,a,a-Trifluorotoluene	5.55		mg/kg wet	5.00		111	55-129			
LCS Dup (P0H0260-BSD1)				Prepared & Analyzed: 08/11/10						
Gasoline Range Organics	42.8	5.0	mg/kg wet	50.0		86	67-116	5	200	
Surrogate: a,a,a-Trifluorotoluene	5.20		mg/kg wet	5.00		104	55-129			
Matrix Spike (P0H0260-MS1)				Source: 0080168-17 Prepared & Analyzed: 08/11/10						
Gasoline Range Organics	53.0	5.5	mg/kg dry	55.4	BRL	96	57-113			
Surrogate: a,a,a-Trifluorotoluene	5.99		mg/kg dry	5.54		108	55-129			

Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's -
306 Elizabeth St.
Project No: WBS# 35742.1.1

Prism Work Order: 0080168
Time Submitted: 8/5/10 6:05:00PM

Gasoline Range Organics by GC/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0260 - 5035										
Matrix Spike Dup (P0H0260-MSD1)		Source: 0080168-17			Prepared & Analyzed: 08/11/10					
Gasoline Range Organics	52.4	5.5	mg/kg dry	55.4	BRL	95	57-113	1	23	
Surrogate: a,a,a-Trifluorotoluene	6.10		mg/kg dry	5.54		110	55-129			

Solutions IES (NCDOT Project)
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 1101 Nowell Road
 Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's -
 306 Elizabeth St.
 Project No: WBS# 35742.1.1

Prism Work Order: 0080168
 Time Submitted: 8/5/10 6:05:00PM

Diesel Range Organics by GC/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0282 - 3545A										
Blank (P0H0282-BLK1)					Prepared: 08/11/10 Analyzed: 08/13/10					
Diesel Range Organics	BRL	7.0	mg/kg wet							
Surrogate: <i>o</i> -Terphenyl	1.95		mg/kg wet	1.60		122	49-124			
LCS (P0H0282-BS1)					Prepared: 08/11/10 Analyzed: 08/13/10					
Diesel Range Organics	70.7	7.0	mg/kg wet	80.0		88	55-109			
Surrogate: <i>o</i> -Terphenyl	2.54		mg/kg wet	1.60		159	49-124			SR
LCS Dup (P0H0282-BSD1)					Prepared: 08/11/10 Analyzed: 08/13/10					
Diesel Range Organics	80.0	7.0	mg/kg wet	79.9		100	55-109	12	200	
Surrogate: <i>o</i> -Terphenyl	2.75		mg/kg wet	1.60		172	49-124			SR
Batch P0H0313 - 3545A										
Blank (P0H0313-BLK1)					Prepared: 08/12/10 Analyzed: 08/14/10					
Diesel Range Organics	BRL	7.0	mg/kg wet							
Surrogate: <i>o</i> -Terphenyl	1.79		mg/kg wet	1.60		112	49-124			
LCS (P0H0313-BS1)					Prepared: 08/12/10 Analyzed: 08/14/10					
Diesel Range Organics	69.3	7.0	mg/kg wet	79.9		87	55-109			
Surrogate: <i>o</i> -Terphenyl	2.33		mg/kg wet	1.60		146	49-124			SR
LCS Dup (P0H0313-BSD1)					Prepared: 08/12/10 Analyzed: 08/14/10					
Diesel Range Organics	73.7	7.0	mg/kg wet	79.9		92	55-109	6	200	
Surrogate: <i>o</i> -Terphenyl	2.42		mg/kg wet	1.60		152	49-124			SR



Solutions IES (NCDOT Project)
Attn: Jody Overmyer
1101 Nowell Road
Raleigh, NC 27607

Project: NCDOT Elizabeth City PSA's -
306 Elizabeth St.
Project No: WBS# 35742.1.1

Prism Work Order: 0080168
Time Submitted: 8/5/10 6:05:00PM

General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0240 - NO PREP										
Duplicate (P0H0240-DUP1)		Source: 0080168-17			Prepared & Analyzed: 08/10/10					
% Solids	91.3	0.100	% by Weight		90.2			1	20	
Duplicate (P0H0240-DUP2)		Source: 0080168-27			Prepared & Analyzed: 08/10/10					
% Solids	85.3	0.100	% by Weight		85.7			0.5	20	

Sample Extraction Data

Prep Method: 3545A

Lab Number	Batch	Initial	Final	Date
0080168-01	P0H0282	25 g	1 mL	08/11/10
0080168-02	P0H0282	25.12 g	1 mL	08/11/10
0080168-03	P0H0282	25.05 g	2 mL	08/11/10
0080168-04	P0H0282	25 g	1 mL	08/11/10
0080168-05	P0H0282	25.1 g	1 mL	08/11/10
0080168-06	P0H0282	25.21 g	1 mL	08/11/10
0080168-07	P0H0282	25.06 g	1 mL	08/11/10
0080168-08	P0H0282	25.13 g	1 mL	08/11/10
0080168-09	P0H0282	25.1 g	1 mL	08/11/10
0080168-10	P0H0282	25.06 g	1 mL	08/11/10
0080168-11	P0H0282	24.99 g	1 mL	08/11/10
0080168-12	P0H0282	25.03 g	1 mL	08/11/10
0080168-13	P0H0282	25.12 g	1 mL	08/11/10
0080168-14	P0H0282	25.08 g	1 mL	08/11/10
0080168-15	P0H0313	25.12 g	1 mL	08/12/10
0080168-16	P0H0313	25.03 g	1 mL	08/12/10
0080168-17	P0H0313	25.14 g	1 mL	08/12/10
0080168-18	P0H0313	25 g	1 mL	08/12/10
0080168-19	P0H0313	25.04 g	1 mL	08/12/10
0080168-20	P0H0313	25.01 g	1 mL	08/12/10
0080168-21	P0H0313	25.16 g	1 mL	08/12/10
0080168-22	P0H0313	25.03 g	1 mL	08/12/10
0080168-23	P0H0313	25.03 g	1 mL	08/12/10
0080168-24	P0H0313	25.07 g	1 mL	08/12/10
0080168-25	P0H0313	25.07 g	1 mL	08/12/10
0080168-26	P0H0313	25.08 g	1 mL	08/12/10
0080168-27	P0H0313	25.05 g	1 mL	08/12/10

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date
0080168-01	P0H0224	5.85 g	5 mL	08/10/10
0080168-02	P0H0224	5.28 g	5 mL	08/10/10
0080168-03	P0H0224	6.22 g	5 mL	08/10/10
0080168-04	P0H0224	6.87 g	5 mL	08/10/10
0080168-05	P0H0224	6.78 g	5 mL	08/10/10
0080168-06	P0H0224	6.65 g	5 mL	08/10/10
0080168-07	P0H0224	5.49 g	5 mL	08/10/10
0080168-08	P0H0224	6.31 g	5 mL	08/10/10
0080168-09	P0H0224	6.42 g	5 mL	08/10/10
0080168-10	P0H0224	6.87 g	5 mL	08/10/10
0080168-11	P0H0224	5.84 g	5 mL	08/10/10
0080168-12	P0H0224	7.06 g	5 mL	08/10/10
0080168-13	P0H0224	5.95 g	5 mL	08/10/10
0080168-14	P0H0224	7.29 g	5 mL	08/10/10
0080168-15	P0H0224	6.51 g	5 mL	08/10/10
0080168-16	P0H0224	6.27 g	5 mL	08/10/10
0080168-17	P0H0260	6.66 g	5 mL	08/11/10
0080168-18	P0H0260	6.12 g	5 mL	08/11/10
0080168-19	P0H0260	6.45 g	5 mL	08/11/10
0080168-20	P0H0260	6.8 g	5 mL	08/11/10
0080168-21	P0H0260	6.83 g	5 mL	08/11/10
0080168-22	P0H0260	5.26 g	5 mL	08/11/10
0080168-23	P0H0260	7.37 g	5 mL	08/11/10
0080168-24	P0H0260	6.7 g	5 mL	08/11/10
0080168-25	P0H0260	7.39 g	5 mL	08/11/10

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Sample Extraction Data

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date
0080168-26	P0H0260	6.71 g	5 mL	08/11/10
0080168-27	P0H0260	7.08 g	5 mL	08/11/10

NO PREP

Lab Number	Batch	Initial	Final	Date
0080168-01	P0H0208	30 g	30 mL	08/09/10
0080168-02	P0H0208	30 g	30 mL	08/09/10
0080168-03	P0H0208	30 g	30 mL	08/09/10
0080168-04	P0H0208	30 g	30 mL	08/09/10
0080168-05	P0H0208	30 g	30 mL	08/09/10
0080168-06	P0H0208	30 g	30 mL	08/09/10
0080168-07	P0H0208	30 g	30 mL	08/09/10
0080168-08	P0H0208	30 g	30 mL	08/09/10
0080168-09	P0H0208	30 g	30 mL	08/09/10
0080168-10	P0H0240	30 g	30 mL	08/10/10
0080168-11	P0H0240	30 g	30 mL	08/10/10
0080168-12	P0H0240	30 g	30 mL	08/10/10
0080168-13	P0H0240	30 g	30 mL	08/10/10
0080168-14	P0H0240	30 g	30 mL	08/10/10
0080168-15	P0H0240	30 g	30 mL	08/10/10
0080168-16	P0H0240	30 g	30 mL	08/10/10
0080168-17	P0H0240	30 g	30 mL	08/10/10
0080168-18	P0H0240	30 g	30 mL	08/10/10
0080168-19	P0H0240	30 g	30 mL	08/10/10
0080168-20	P0H0240	30 g	30 mL	08/10/10
0080168-21	P0H0240	30 g	30 mL	08/10/10
0080168-22	P0H0240	30 g	30 mL	08/10/10
0080168-23	P0H0240	30 g	30 mL	08/10/10
0080168-24	P0H0240	30 g	30 mL	08/10/10
0080168-25	P0H0240	30 g	30 mL	08/10/10
0080168-26	P0H0240	30 g	30 mL	08/10/10
0080168-27	P0H0240	30 g	30 mL	08/10/10

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date
0080168-28	P0H0172	1000 mL	1 mL	08/06/10
0080168-29	P0H0172	1000 mL	1 mL	08/06/10
0080168-30	P0H0172	1000 mL	1 mL	08/06/10

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date
0080168-28	P0H0263	10 mL	10 mL	08/11/10
0080168-28	P0H0263	10 mL	10 mL	08/11/10
0080168-29	P0H0263	10 mL	10 mL	08/11/10
0080168-30	P0H0263	10 mL	10 mL	08/11/10

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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: Solutions-IES
Report To/Contact Name: Sody Overmyer
Reporting Address: 1101 Nowell Rd
Raleigh, NC

Phone: 919-873-1060 Fax (Yes) (No):
Email (Yes) (No) Email Address: Sovermyer@Solutions-IES.com
EDD Type: PDF Excel Other
Site Location Name: NC DOT Elizabeth City - 306
Site Location Physical Address: 306 E. Elizabeth Street
Eliz City

CHAIN OF CUSTODY RECORD

PAGE 1 OF 3 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: NC DOT Elizabeth City - 306 Elizabeth St
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: NC DOT WBS# 35742.1.1
Address: _____

Purchase Order No./Billing Reference 4300132875
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			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>25</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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		TPH	GRD	DRP				
306-11-0-3	8/3/10	1225	Soil	VOA, G	4	40ml, 12oz		<input checked="" type="checkbox"/>						01
306-12-0-3		1235						<input checked="" type="checkbox"/>						02
306-16-0-3		1240						<input checked="" type="checkbox"/>						03
306-17-0-3		1245						<input checked="" type="checkbox"/>						04
306-14-0-3		1320						<input checked="" type="checkbox"/>						05
306-13-0-3		1330						<input checked="" type="checkbox"/>						06
306-20-0-3		1335						<input checked="" type="checkbox"/>						07
306-15-0-3		1350						<input checked="" type="checkbox"/>						08
306-18-0-3		1400						<input checked="" type="checkbox"/>						09
306-19-0-3		1410						<input checked="" type="checkbox"/>						10

Sampler's Signature Kathryn Doll Sampled By (Print Name) Kathryn Doll Affiliation Solutions-IES **PRESS DOWN FIRMLY - 3 COPIES**

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) <u>Kathryn Doll</u>	Received By: (Signature) <u>Alex Lassit</u>	Date <u>08/04/10</u>	Military/Hours <u>1230</u>	Additional Comments: <u>Relinquished by - Dan Mann 8:50 1805</u>
Relinquished By: (Signature) <u>Alex Lassit</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>08/05/10</u>	Military/Hours <u>1150</u>	
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>Dan Mann</u>	Date <u>8-5-10</u>	Military/Hours <u>1600</u>	
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Hand-delivered <input checked="" type="checkbox"/> Prism Field Service <input type="checkbox"/> 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.		COC Group No. <u>008068</u>

NPDES: NC SC GROUNDWATER: NC SC DRINKING WATER: NC SC SOLID WASTE: NC SC RCRA: NC SC CERCLA: NC SC LANDFILL: NC SC OTHER: NC SC

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

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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: Solutions-IES
Report To/Contact Name: Jody Overmyer
Reporting Address: 1101 Nowell Road
Raleigh, NC

Phone: 919-873-1060 Fax (Yes) (No):
Email (Yes) (No) Email Address: sovermyer@csolutions-ies.com
EDD Type: PDF Excel Other
Site Location Name: NCDOT Elizabeth City - 306 Elizabeth Street
Site Location Physical Address: 306 E. Elizabeth Street

CHAIN OF CUSTODY RECORD

PAGE 2 OF 3 QUOTE # TO ENSURE PROPER BILLING:
Project Name: NCDOT Elizabeth City - 306 Elizabeth St
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: NCDOT WBS # 35742.1.1
Address:

LAB USE ONLY			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>2.5</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Purchase Order No./Billing Reference 4300132875
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)

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				
306-1-0-3	8/3/10	1135	Soil	VOA, G	4	40ml, 12oz				11
306-2-0-3		1140								12
306-3-0-3		1142								13
306-4-0-3		1145								14
306-5-0-3		1150								15
306-6-0-3		1155								16
306-7-0-3		1200								17
306-8-0-3		1205								18
306-9-0-3		1208								19
306-10-0-3		1218								20

Sampler's Signature Kathryn Doll Sampled By (Print Name) Kathryn Doll Affiliation Solutions IES

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40

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) <u>Kathryn Doll</u>	Received By: (Signature) <u>Alex Lopez</u>	Date <u>080410</u>	Military/Hours <u>1030</u>
Relinquished By: (Signature) <u>Alex Lopez</u>	Received By: (Signature) <u>[Signature]</u>	Date <u>080510</u>	Military/Hours <u>1150</u>
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>Dan Morris</u>	Date <u>8-5-10</u>	Military/Hours <u>1600</u>
Method of Shipment: 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.		COC Group No. <u>0080168</u>	

Additional Comments:
Relinquished by - Dan Morris 8-5-10 1805

PRISM USE ONLY	
Site Arrival Time:	
Site Departure Time:	
Field Tech Fee:	
Mileage:	

NPDES: NC SC NC SC NC SC NC SC
UST: NC SC NC SC NC SC NC SC
GROUNDWATER: NC SC NC SC NC SC NC SC
DRINKING WATER: 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
LANDFILL: 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)

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ORIGINAL



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: Solutions-IES
Report To/Contact Name: Jody Overmyer
Reporting Address: 1101 Powell Rd
Raleigh, NC

Phone: 919-873-1060 Fax (Yes) (No):
Email (Yes) (No) Email Address: Jovermyer@solutions-ies.com
EDD Type: PDF Excel Other
Site Location Name: NC DOT Elizabeth City - 306 E Elizabeth St
Site Location Physical Address: 306 E. Elizabeth Street

CHAIN OF CUSTODY RECORD

PAGE 3 OF 3 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: NC DOT Elizabeth City - 306 E. Elizabeth St
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

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

Invoice To: NC DOT WBS# 35742.1.1
Address: _____

Purchase Order No./Billing Reference 4300132875

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			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>2.5</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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		THU 8:00	8260	8270			
306-21-0-3	8/3/10	1425	Soil	VOA, G	4	40ml, 12oz	X						21
306-22-0-3		1430					X						22
306-23-0-3		1440					X						23
306-24-0-3		1450					X						24
306-25-0-3		1500					X						25
306-26-0-3		1505					X						26
306-27-0-3		1515					X						27
306-9		1315	Water	VOA, A	5	40ml, 1L		X	X				28
306-1		1340						X	X				29
306-20		1415						X	X				30

Sampler's Signature Kathryn Doll Sampled By (Print Name) Kathryn Doll Affiliation Solutions-IES

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Relinquished By: (Signature) <u>Kathryn Doll</u>	Received By: (Signature) <u>Alex Lassit</u>	Date <u>080410</u>	Military/Hours <u>1030</u>
Relinquished By: (Signature) <u>Alex Lassit</u>	Received By: (Signature) <u>Joe White</u>	Date <u>080510</u>	Military/Hours <u>1150</u>
Relinquished By: (Signature) <u>Joe White</u>	Received For Prism Laboratories By: <u>David Marin</u>	Date <u>8-5-10</u>	Military/Hours <u>1600</u>
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Hand-delivered <input checked="" type="checkbox"/> Prism Field Service <input type="checkbox"/> Other _____		COC Group No. <u>0080168</u>	

Additional Comments:
43
Relinquished by David Marin 8-5-10 1805
Rec'd by J.T.D. at 10/20/10

PRISM USE ONLY	
Site Arrival Time:	
Site Departure Time:	
Field Tech Fee:	
Mileage:	

NPDES: <input type="checkbox"/> NC <input type="checkbox"/> SC	UST: <input type="checkbox"/> NC <input type="checkbox"/> SC	GROUNDWATER: <input type="checkbox"/> NC <input type="checkbox"/> SC	DRINKING WATER: <input type="checkbox"/> NC <input type="checkbox"/> SC	SOLID WASTE: <input type="checkbox"/> NC <input type="checkbox"/> SC	RCRA: <input type="checkbox"/> NC <input type="checkbox"/> SC	CERCLA: <input type="checkbox"/> NC <input type="checkbox"/> SC	LANDFILL: <input type="checkbox"/> NC <input type="checkbox"/> SC	OTHER: <input type="checkbox"/> NC <input type="checkbox"/> SC
--	--	--	---	--	---	---	---	--

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ORIGINAL

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