

**PRELIMINARY SITE ASSESSMENT
FOR
PARCEL 195, WARD HOLDINGS, LLC
SPIRIT AND TRUTH SPIRITUALITY
1002 EVANS STREET
GREENVILLE, PITT COUNTY, NORTH CAROLINA**

**STATE PROJECT: U-3315
WBS ELEMENT: 35781.1.2**

PREPARED FOR:



**NCDOT GEOTECHNICAL ENGINEERING UNIT
GEOENVIRONMENTAL SECTION
1589 MSC
RALEIGH, NORTH CAROLINA 27699-1589**

NOVEMBER 20, 2012

PREPARED BY:

**CATLIN ENGINEERS AND SCIENTISTS
P. O. BOX 10279
WILMINGTON, NORTH CAROLINA 28404-0279
(910) 452-5861**

CATLIN PROJECT NO. 212077

**CORPORATE GEOLOGY LICENSE CERTIFICATION NO. C-118
CORPORATE LICENSURE NO. FOR ENGINEERING SERVICES C-0585**

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1.0 PURPOSE OF INVESTIGATION AND DESCRIPTION

CATLIN Engineers and Scientists (CATLIN) was retained by the North Carolina Department of Transportation (NCDOT) Geotechnical Engineering Unit to provide a field investigation concluding with a Preliminary Site Assessment (PSA) for the above site. In response to a June 19, 2012 Request for Proposal (RFP) (Updated July 10, 2012) and subsequent work scope clarifications with Mr. Gordon Box, LG and Mr. Cyrus Parker, PE, LG, CATLIN submitted a proposal for conducting an investigation at the Parcel 195, Ward Holdings, LLC. The parcel/property is located at 1002 Evans Street along the NCDOT Project "Stantonsburg Road/Tenth Street Connector from Memorial Drive (US 13) to Evans Street" in Greenville, North Carolina. Sheet 1 illustrates the general location.

The following specific parcel information was provided by NCDOT:

Currently this site operates as a worship center. Historically the site operated as a gas station. The site is located approximately 100 feet south of the southeast quadrant of West 10th Street and East Evans Street. According to NCDENR's UST Section Registry the facility ID and groundwater incidents could not be identified for this site.

According to NCDOT acquisition of the right of way (ROW) is necessary for roadway construction (State Project U-3315) and specifically at the above referenced parcel (Parcel 195). A site investigation is requested before ROW acquisition and roadway construction. Underground storage tanks (USTs) and/or associated piping are suspected in the proposed ROW and/or easement(s).

The work scope as requested includes:

- Communicate progress reports to the GeoEnvironmental Section.
- Determine if contaminated soils or USTs are present within the NCDOT ROW, controlled access boundary (CA), or easement with particular emphasis on the vicinity of proposed excavations for drainage, utilities, and slope stake cuts.
- Estimate the quantity of impacted soils. Estimate the volume of impacted soils across the study area and the volume that will require excavation during construction. Indicate the approximate area of soil contamination on a site map and CADD file.
- Research the site for past uses and possible releases and include findings in final report.
- Report the depth to groundwater and obtain one groundwater sample from the site with emphasis on the vicinity of proposed drainage features. Test groundwater sample for contaminants relevant to the site's past use and/or possible releases.
- Provide a MicroStation file with the boring locations and estimated extent of impacted soils (if any).
- Prepare a report including field activities, findings, and recommendations and submit in triplicate and electronically to the NCDOT GeoEnvironmental Section.

This report documents our activities and findings at Parcel 195, Ward Holdings, LLC property (currently Spirit and Truth Spirituality Center), 1002 Evans Street, Greenville, North Carolina. The site is illustrated on Sheet 2.

2.0 METHODS

Approximate proposed boring locations were discussed with NCDOT personnel before final Workplan submittal. There were no slope stake cuts identified within the subject site. Per NCDOT request, borings (soil samples) were located near proposed drainage features (as indicated on NCDOT provided plan sheets). The NCDOT Conventional Plan Sheet Symbols are provided on Sheet 1A. Accessible proposed drainage features at the site include drainage piping.

North Carolina Department of Environment and Natural Resources (NCDENR) UST Section personnel were interviewed and the NCDENR UST database was reviewed. NCDENR Dry-cleaning Solvent Cleanup Act (DSCA) Program personnel were also interviewed and the DSCA site list was reviewed.

CATLIN coordinated geophysical activities concurrently with soil boring and sampling. The geophysical investigation methods are detailed in the SCHNABEL ENGINEERING SOUTH, PC (Schnabel) geophysical report provided in Appendix A. Final boring/sample locations were determined

based on proposed drainage feature locations and elevations, geophysical results, file review information, field observations, and discussion with NCDOT personnel. CATLIN's field activities began at the site on July 25, 2012 and concluded on July 26, 2012.

2.1 FIELD METHODS

All field work was conducted in general accordance with state and federal guidelines and industry standards.

Underground utility locating was coordinated by CATLIN personnel. The North Carolina One Call Center (NC-1-Call) was contacted for underground utility location. The areas around the proposed boring locations were checked and underground utilities were indicated by NC-1-Call personnel.

CATLIN personnel gathered subsurface soil data at the site by Direct Push Technology (DPT) boring advancement using an AMS PowerProbe™ 9600D (PowerProbe). Borings were identified by the parcel number 195 followed by "DPT" and boring number (example: 195DPT-01). A boring was located near proposed drainage piping. The boring was advanced to depth by static force and a 90-pound hydraulic percussion hammer. Two and one-quarter inch diameter by four-foot length steel is used as casing. Soil samples were continuously collected in four-foot long and one and one-half inch diameter clear liners. Liners are removed from the casing and then cut in half longitudinally to allow for visual/manual classification utilizing the Unified Soil Classification System (USCS). Soils were collected continuously from near the surface to boring termination. The boring for soil sample collection was terminated at eight (8) feet below land surface (BLS). Half of the soils from the liners were removed in two-foot intervals and placed in sealable polyethylene bags for organic vapor analysis (OVA) headspace screening utilizing a photo ionization detector (PID). The USCS, OVA/PID reading, and any indication of petroleum impact were recorded on field logs and have been transferred to the Boring Log provided in Appendix B. As illustrated on Sheet 2, one (1) boring was advanced for soil sample collection.

Soil samples for laboratory analysis were collected from the sample interval above the water table with the highest OVA/PID reading and/or the sample interval near the bottom of the proposed drainage feature installation elevation. The sample interval was included with the boring identification as part of the soil sample identification [195DPT-01(5-5.5 ft)]. The sample identification is included on the Boring Log in Appendix B and the laboratory analytical Chain of Custody in Appendix C.

After soil sample collection the 195DPT-01 boring was further advanced and terminated at 16 feet BLS for approximate depth to water (DTW) determination and groundwater sample collection. Following removal of the PowerProbe tooling, groundwater was pumped directly into the appropriate laboratory provided glassware utilizing new polypropylene tubing and a peristaltic pump.

New disposable nitrile gloves were worn during sampling activities. All samples were placed into laboratory provided glassware and packed on ice in an insulated cooler for transportation to the laboratory. Sample integrity was maintained by following proper Chain of Custody procedures. A copy of the Chain of Custody is provided following the analytical report in Appendix C.

The borehole was abandoned to just below the surface using three-eighth inch bentonite chips. Bentonite and water were poured into the borehole simultaneously to facilitate hydration. Final borehole and sample locations were surveyed utilizing a Trimble® GPS survey instrument.

2.2 LABORATORY TESTING

Following boring advancement, selected soils were placed in the appropriately labeled glassware. In an attempt to provide information regarding possible petroleum and/or dry cleaning solvent impact to soils and groundwater, soil samples were analyzed for volatile and semi-volatile organics by Environmental Protection Agency (EPA) Methods 8260B and 8270D Base Neutral (BN) and the groundwater sample was also analyzed for volatile and semi-volatile organics per EPA Methods 8260B and 8270D BN.

One (1) soil sample and one (1) groundwater sample were submitted to SGS Analytical Perspectives (NC Certification #481). Chain of Custody documentation is included in Appendix C.

3.0 RESULTS

NCDENR Interview and File Review

NCDENR Washington Regional Office personnel were not aware of any releases on record for the site. The NCDENR UST database does not list any tanks registered at the site. NCDENR DSCA Program personnel were also interviewed. The site does not appear on the NCDENR DSCA site list. There are no UST or DSCA sites adjacent to the subject site.

Historical aerial photographs were also reviewed and local "historians" were interviewed. Based on review of the historical aerial photographs and locals

with knowledge of the area, there is no indication the site was previously utilized as a gas/service station. The adjacent property/parcel (Parcel 105, 111 W. 10th Street) currently operates as drop-off/pick-up dry cleaning facility but historically operated as an on-site dry cleaners.

Geophysical Investigation

The complete geophysical investigation report by Schnabel is included in Appendix B and indicates that metallic USTs are unlikely to be encountered within 8 feet of the ground surface in the areas surveyed on the subject property.

Site Reconnaissance

CATLIN personnel identified the proposed drainage feature locations. Photographs of the site are provided in Appendix D. Additional photographs are included in the Schnabel report provided in Appendix A.

Soil and Groundwater

Sandy clay / clayey sand and clay were encountered at boring 195DPT-01. No petroleum hydrocarbon odor was noted in any soils. The complete boring log including OVA/PID results is provided in Appendix B.

Summarized soil sample analytical results are provided on Table 1. Soil sample locations and summarized soil analytical results are illustrated on Sheet 2. As indicated on Table 1 and Sheet 2, no compound concentrations were reported above the laboratory reporting limits or UST Section Soil-To-Groundwater (STGW) Maximum Soil Contaminant Concentrations (MSCCs).

Summarized groundwater sample analytical results are provided on Table 2 and Sheet 2. As indicated on Table 2 and Sheet 2, Minor, estimated concentrations ("J" values) of a number of EPA Method 8260B parameters were revealed but well below the corresponding NCAC T15A:02L Groundwater Quality Standards (2L GWQS). Diethyl phthalate was revealed per EPA Method 8270D BN above the laboratory reporting limits but well below the 2L GWQS. No other EPA Method 8270D BN parameters were detected above the laboratory quantitation limits or 2L GWQSs. Depth to groundwater was not measured but is estimated at approximately nine (9) feet BLS. The complete laboratory analytical report is provided in Appendix C.

4.0 SUMMARY AND RECOMMENDATIONS

A preliminary site assessment was conducted at the subject site as requested by NCDOT. NCDOT is planning roadway construction including utility installation and ROW acquisition at the site.

No contaminated soils or groundwater were revealed in samples collected from the proposed construction area. Based on geophysical survey results, site reconnaissance, and NCDENR file review information, there are no indications of any USTs remaining at the site.

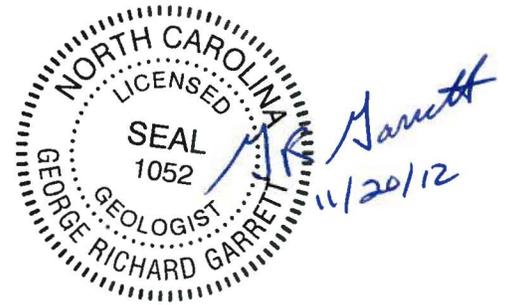
5.0 LIMITATIONS

This report is based on the agreed work scope and a review of available data from limited sampling. It is possible that this investigation may have failed to reveal the presence of contamination in the project area where such contamination may exist. Although CATLIN has used accepted methods appropriate for soil and groundwater sampling, CATLIN cannot guarantee that additional soil and/or groundwater contamination does not exist.

6.0 SIGNATURES



Benjamin J. Ashba, P.G.
Project Manager



G. Richard Garrett, P.G.
Senior Project Manager

TABLES

TABLE 1
SUMMARY OF SOIL LABORATORY RESULTS - EPA METHODS 8260B AND 8270D BASE NEUTRAL

Parcel 195, Ward Holdings, LLC
Spirit and Truth Spirituality Center (Former Gas Station)
1002 Evans Street

Sample ID	Method		EPA Method 8260B		EPA Method 8270D Base Neutral
	Contaminant of Concern		Methylene chloride	All other EPA Method 8260B Parameters	All EPA Method 8270D Base Neutral Parameters
	Date Collected	Location			
195DPT01 (5-5.5ft)	7/25/12	≈ 6' West of proposed drainage and ≈ 45' South of CB 1106	0.964 J	BMDL	BMDL
Residential MSCC (ug/kg)			85,000	Varies	Varies
Industrial/Commercial MSCC (ug/kg)			763,000	Varies	Varies
STGW MSCC (ug/kg)			20	Varies	Varies

All results in micrograms per kilogram (ug/kg).

Sample depth below land surface provided in parenthesis as part of the sample identification.

CB = Proposed Catch Basin

BMDL = Below Method Detection Limit, refer to analytical report for a complete list of parameters and detection limits

J = Estimated Concentration

**TABLE 2
SUMMARY OF GROUNDWATER LABORATORY RESULTS - EPA METHODS 8260B AND 8270D BASE NEUTRAL**

Parcel 195, Ward Holdings, LLC
Spirit and Truth Spirituality Center (Former Gas Station)
1002 Evans Street

Sample ID	Method →		EPA Method 8260B							EPA Method 8270D Base Neutral		
	Contaminant of Concern →		1,2,4-Trimethylbenzene	Acetone	Benzene	Ethyl Benzene	Toluene	Xylene (total)	All other EPA Method 8260B Parameters	Diethyl phthalate (DEP)	Dimethyl phthalate	All other EPA Method 8270D Base Neutral Parameters
	Date Collected	Location										
195DPT-01	7/26/12	≈ 6' West of proposed drainage and ≈ 45' South of CB 1106	0.110 J	10.8 J	0.140 J	0.220 J	0.740 J	0.790 J	BMDL	5.22	3.60 J	BMDL
2L GWQS (ug/L)			400	6,000	1	600	600	500	Varies	6,000	None Established	Varies

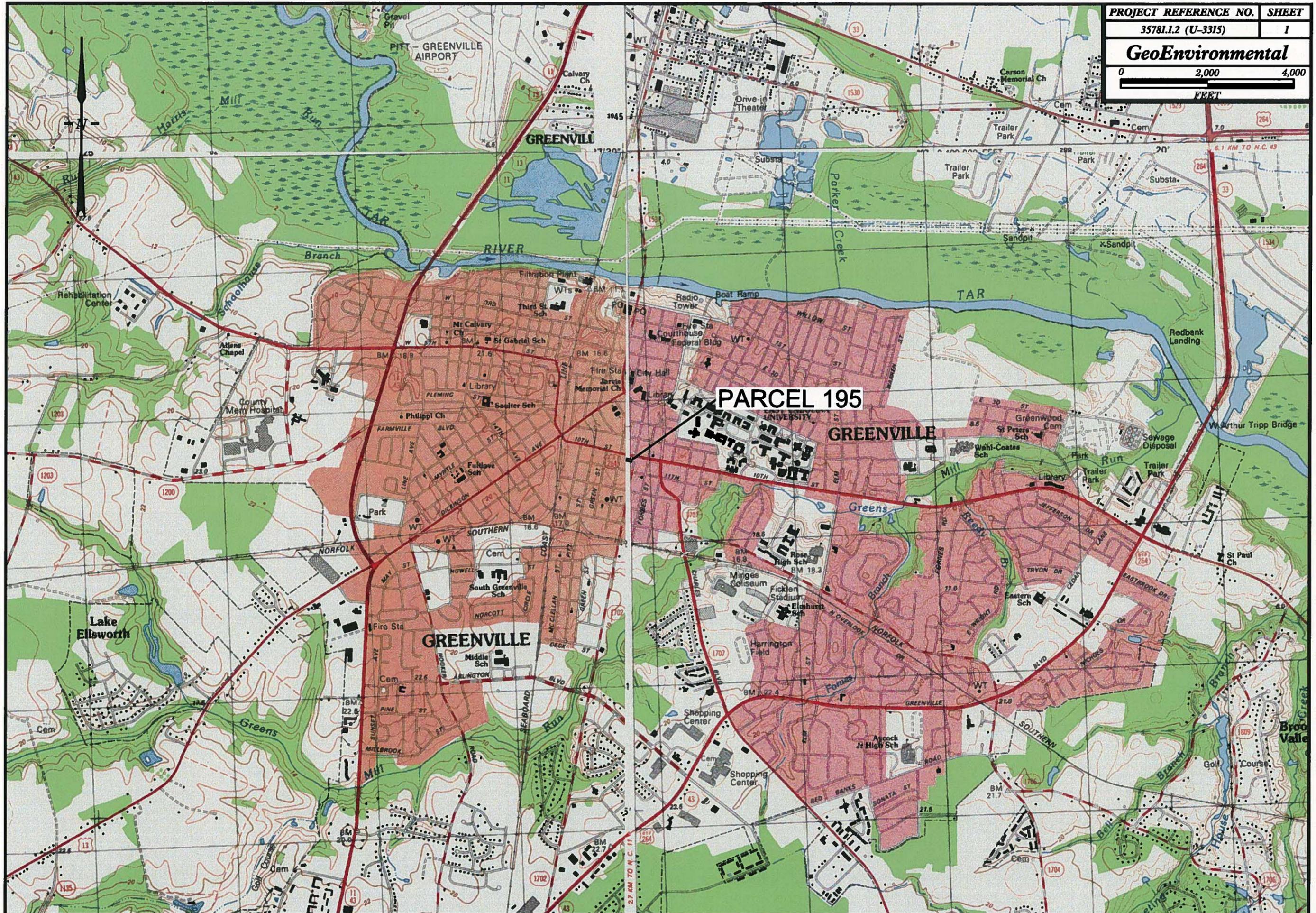
All results in micrograms per liter (ug/L).

BMDL = Below Method Detection Limit, refer to analytical report for a complete list of parameters and detection limits

J = Estimated Concentration

CB = Proposed Catch Basin

SHEETS



Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○
Property Corner	-----
Property Monument	□
Parcel/Sequence Number	②
Existing Fence Line	-----
Proposed Woven Wire Fence	-----
Proposed Chain Link Fence	-----
Proposed Barbed Wire Fence	-----
Existing Wetland Boundary	-----
Proposed Wetland Boundary	-----
Existing Endangered Animal Boundary	-----
Existing Endangered Plant Boundary	-----
Known Soil Contamination: Area or Site	☠
Potential Soil Contamination: Area or Site	☠

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or UG Tank Cap	○
Sign	□
Well	○
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	-----

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	-----
Buffer Zone 1	-----
Buffer Zone 2	-----
Flow Arrow	-----
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	-----
Switch	-----
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	-----
Proposed Right of Way Line with Concrete or Granite Marker	-----
Existing Control of Access	-----
Proposed Control of Access	-----
Existing Easement Line	-----
Proposed Temporary Construction Easement	-----
Proposed Temporary Drainage Easement	-----
Proposed Permanent Drainage Easement	-----
Proposed Permanent Drainage / Utility Easement	-----
Proposed Permanent Utility Easement	-----
Proposed Temporary Utility Easement	-----
Proposed Aerial Utility Easement	-----
Proposed Permanent Easement with Iron Pin and Cap Marker	-----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-----
Proposed Slope Stakes Fill	-----
Proposed Curb Ramp	-----
Curb Cut Future Ramp	-----
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	○
Pavement Removal	-----

VEGETATION:

Single Tree	○
Single Shrub	○
Hedge	-----
Woods Line	-----

Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	-----
Paved Ditch Gutter	-----
Storm Sewer Manhole	-----
Storm Sewer	-----

UTILITIES:

POWER:	
Existing Power Pole	-----
Proposed Power Pole	-----
Existing Joint Use Pole	-----
Proposed Joint Use Pole	-----
Power Manhole	-----
Power Line Tower	-----
Power Transformer	-----
UG Power Cable Hand Hole	-----
H-Frame Pole	-----
Recorded UG Power Line	-----
Designated UG Power Line (S.U.E.*)	-----

TELEPHONE:

Existing Telephone Pole	-----
Proposed Telephone Pole	-----
Telephone Manhole	-----
Telephone Booth	-----
Telephone Pedestal	-----
Telephone Cell Tower	-----
UG Telephone Cable Hand Hole	-----
Recorded UG Telephone Cable	-----
Designated UG Telephone Cable (S.U.E.*)	-----
Recorded UG Telephone Conduit	-----
Designated UG Telephone Conduit (S.U.E.*)	-----
Recorded UG Fiber Optics Cable	-----
Designated UG Fiber Optics Cable (S.U.E.*)	-----

WATER:

Water Manhole	-----
Water Meter	-----
Water Valve	-----
Water Hydrant	-----
Recorded UG Water Line	-----
Designated UG Water Line (S.U.E.*)	-----
Above Ground Water Line	-----

TV:

TV Satellite Dish	-----
TV Pedestal	-----
TV Tower	-----
UG TV Cable Hand Hole	-----
Recorded UG TV Cable	-----
Designated UG TV Cable (S.U.E.*)	-----
Recorded UG Fiber Optic Cable	-----
Designated UG Fiber Optic Cable (S.U.E.*)	-----

GAS:

Gas Valve	-----
Gas Meter	-----
Recorded UG Gas Line	-----
Designated UG Gas Line (S.U.E.*)	-----
Above Ground Gas Line	-----

SANITARY SEWER:

Sanitary Sewer Manhole	-----
Sanitary Sewer Cleanout	-----
UG Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
Recorded SS Forced Main Line	-----
Designated SS Forced Main Line (S.U.E.*)	-----

MISCELLANEOUS:

Utility Pole	-----
Utility Pole with Base	-----
Utility Located Object	-----
Utility Traffic Signal Box	-----
Utility Unknown UG Line	-----
UG Tank; Water, Gas, Oil	-----
Underground Storage Tank, Approx. Loc.	-----
A/G Tank; Water, Gas, Oil	-----
Geoenvironmental Boring	-----
UG Test Hole (S.U.E.*)	-----
Abandoned According to Utility Records	-----
End of Information	-----

SUMMARY OF GROUNDWATER LABORATORY RESULTS - EPA METHODS 8260B AND 8270D BASE NEUTRAL

Parcel 195, Ward Holdings, LLC
 Spirit and Truth Spirituality Center (Former Gas Station)
 1002 Evans Street

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	Date Collected	Location										
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2L GWQS (ug/L)			400	6,000	1	600	600	500	Varies	6,000	None Established	Varies

All results in micrograms per liter (ug/L).
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Industrial/Commercial MSCC (ug/kg)			763,000	Varies	Varies
STGW MSCC (ug/kg)			20	Varies	Varies

All results in micrograms per kilogram (ug/kg).
 Sample depth below land surface provided in parenthesis as part of the sample identification.
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PROJECT REFERENCE NO. 35781.1.2 (U-3315) **SHEET** 2

GeoEnvironmental

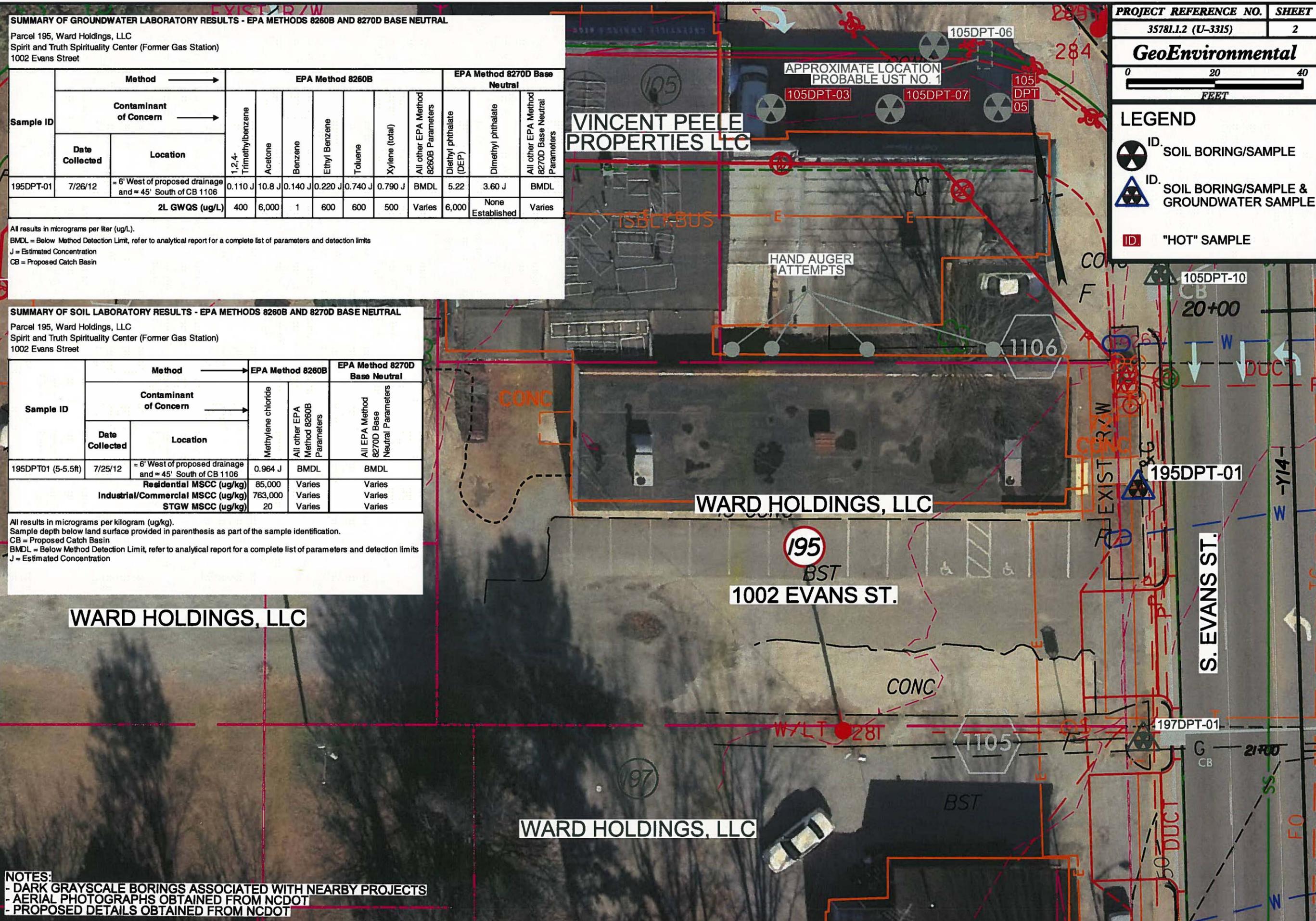
0 20 40
 FEET

LEGEND

⊗ ID. SOIL BORING/SAMPLE

⊕ ID. SOIL BORING/SAMPLE & GROUNDWATER SAMPLE

Ⓜ "HOT" SAMPLE



NOTES:
 - DARK GRAYSCALE BORINGS ASSOCIATED WITH NEARBY PROJECTS
 - AERIAL PHOTOGRAPHS OBTAINED FROM NCDOT
 - PROPOSED DETAILS OBTAINED FROM NCDOT

APPENDICES

APPENDIX A
SCHNABEL GEOPHYSICAL REPORT

concrete, using a Geophysical Survey Systems SIR-3000 system equipped with a 400 MHz antenna. Photographs of the equipment used are shown on Figure 2.

FIELD METHODOLOGY

Locations of geophysical data points were obtained using a sub-meter Trimble Pro-XRS DGPS system. References to direction and location in this report are based on the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 83 datum, with units in US survey feet. We recorded the locations of existing site features (monitoring wells, signs, etc.) with the Trimble system for later correlation with the geophysical data and locations provided by the NCDOT.

The EM61 data were collected along parallel survey lines spaced approximately 2.5 feet apart. The EM61 and DGPS data were recorded digitally using a field computer and later transferred to a desktop computer for data processing. The GPR data were collected along survey lines spaced one to two feet apart in orthogonal directions over areas of reinforced concrete and anomalous EM readings not attributed to cultural features. The GPR data were reviewed in the field to evaluate the possible presence of USTs. The GPR data also were recorded digitally and later transferred to a desktop computer for further review.

DISCUSSION OF RESULTS

The contoured EM61 data collected over Parcel 195 are shown on Figures 3 and 4. The EM61 early time gate data are plotted on Figure 3. The early time gate data provide a more sensitive detection of metal objects than the later time gate data. Figure 4 shows the differential response between the top and bottom coils of the EM61 instrument. The differential response data filters out the effect of surface and very shallowly buried metallic objects. Typically, the differential response emphasizes anomalies from deeper and larger objects such as USTs.

The early time gate and differential results show anomalies of unknown cause, in addition to those apparently caused by buried utilities or known site features (Figures 3 and 4). The GPR data indicate that the EM anomalies of unknown cause are probably caused by buried utilities. The GPR data collected at the site do not indicate the presence of metallic USTs within the areas surveyed.

CONCLUSIONS

Our evaluation of the geophysical data collected on the subject property on Project U-3315 in Greenville, NC indicates that metallic USTs are unlikely to be encountered within 8 feet of the ground surface in the areas surveyed on the subject property.

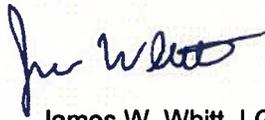
LIMITATIONS

These services have been performed and this report prepared for Catlin Engineers and Scientists, Inc. and the North Carolina Department of Transportation in accordance with generally accepted guidelines for conducting geophysical surveys. It is generally recognized that the results of geophysical surveys are non-unique and may not represent actual subsurface conditions.

We appreciate the opportunity to have provided these services. Please call if you need additional information or have any questions.

Sincerely,

SCHNABEL ENGINEERING SOUTH, PC



James W. Whitt, LG
Senior Staff Geophysicist



Jeremy S. Strohmeyer, LG
Project Manager

JW:JS

Attachments: Figures (4)

CC: NCDOT, Gordon Box

FILE: G:\2011-SDE-JOBS\11821014_00_NCDOT_2011_GEOTECHNICAL_UNIT_SERVICES\11821014_17_U-3315_PITT_COUNTYREPORT\PARCEL 195\SCHNABEL GEOPHYSICAL REPORT ON PARCEL 195 (U-3315).DOCX



Parcel 195 (Ward Holdings LLC Property), looking west



Parcel 195 (Ward Holdings LLC Property), looking south



STATE PROJECT U-3315
NC DEPT. OF TRANSPORTATION
PITT COUNTY, NORTH CAROLINA
PROJECT NO. 11821014.17

PARCEL 195
SITE PHOTOS

FIGURE 1



Geonics EM61-MK2 Metal Detector with Trimble DGPS Unit



GSSI SIR-3000 Ground-Penetrating Radar with 400 MHz Antenna

Note: Stock photographs – not taken on site.

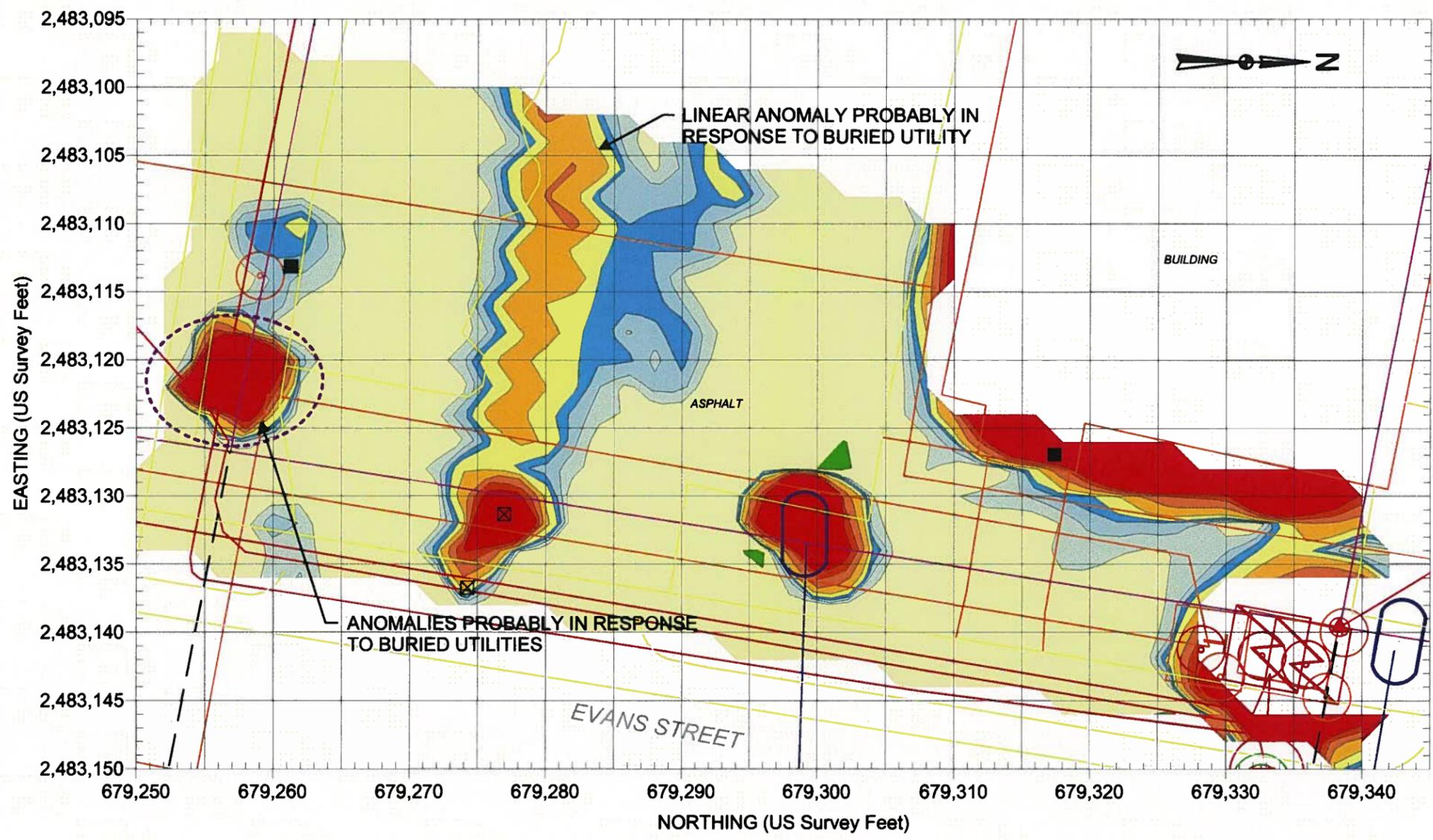


STATE PROJECT U-3315
NC DEPT. OF TRANSPORTATION
PITT COUNTY, NORTH CAROLINA
PROJECT NO. 11821014.17

PHOTOS OF
GEOPHYSICAL
EQUIPMENT USED

FIGURE 2

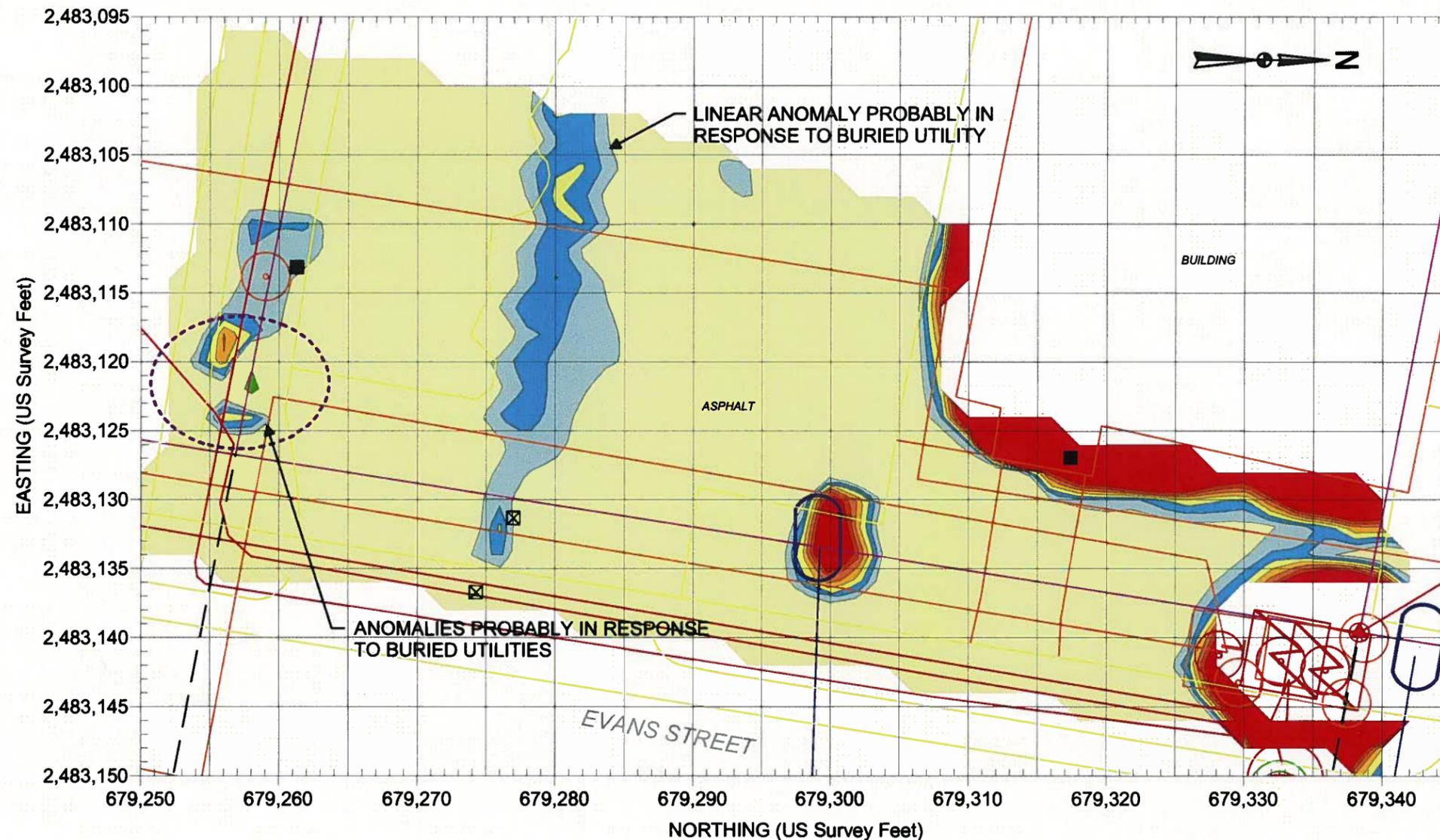
PARCEL 195



Note: The contour plot shows the earliest and more sensitive time gate of the EM61 bottom coil/channel in millivolts (mV). The EM data were collected on July 13, 2012, using a Geonics EM61-MK2 instrument. Positioning for the EM61 survey was provided using a submeter Trimble ProXRS DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina Zone 3200, using the NAD 1983 datum. GPR data were acquired on July 26, 2012, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.

	<p>STATE PROJECT U-3315 NC DEPARTMENT OF TRANSPORTATION PITT COUNTY, NORTH CAROLINA PROJECT NO. 11821014.17</p>	<p>EM61 EARLY TIME GATE RESPONSE</p> <p>FIGURE 3</p>
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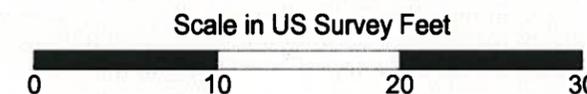
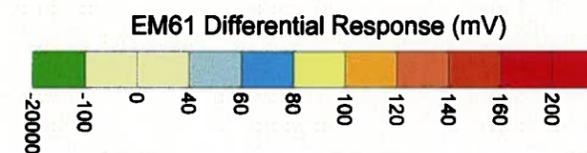
PARCEL 195



EXPLANATION

- MISCELLANEOUS METALLIC OBJECT
- ⊠ UTILITY MANHOLE, METER, BOX, ETC.
- △ EDGE OF NCDOT PROPOSED RW
- PROPERTY LINE
- - - GPR SURVEY AREA

REF.: NCDOT FILE: u3315_rdy_psh11.dgn
(FOR SOME SITE FEATURES)



Note: The contour plot shows the difference, in millivolts (mV), between the readings from the top and bottom coils of the EM61. The difference is taken to reduce the effect of shallow metal objects and emphasize anomalies caused by deeper metallic objects, such as drums and tanks. The EM data were collected on July 13, 2012, using a Geonics EM61-MK2 instrument. Positioning for the EM61 survey was provided using a submeter Trimble ProXRS DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 1983 datum. GPR data were acquired on July 26, 2012, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.



STATE PROJECT U-3315
NC DEPARTMENT OF TRANSPORTATION
PITT COUNTY, NORTH CAROLINA
PROJECT NO. 11821014.17

EM61
DIFFERENTIAL
RESPONSE

FIGURE 4

APPENDIX B
BORING LOG

BORING LOG



PROJECT NO.: 212077	STATE: NC	COUNTY: Pitt	LOCATION: Greenville
PROJECT NAME: Parcel 195 - Ward Holdings, LLC - Spirit and Truth Spirituality Center (Former Gas Station)	LOGGED BY: Ben Ashba	BORING ID: 195DPT-01	
NORTHING: 679,309.00	EASTING: 2,483,139.00	CREW: Corey Futral	
SYSTEM: NCSP NAD 83 (USft)	BORING LOCATION: Between CB 1106 & CB 1105	LAND ELEV.: NM	
DRILL MACHINE: Power Probe	METHOD: CPT / DPT	0 HOUR DTW: N/A	BORING DEPTH: 16.0
START DATE: 07/25/12	FINISH DATE: 07/25/12	24 HOUR DTW: N/A	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	PID RESULTS (ppm) 0 250 500 750 1,000	LAB.	U S C S	L O G	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
0.0							0.0	LAND SURFACE	
					SM		0.5	TOPSOIL	
2.0		▲0			SP			Light brown to tan, v.f. SAND w/tr. silt.	
4.0					SC/ CL		4.0 4.5	Orangish brown, Sandy CLAY to Clayey SAND.	
5.0				DPT-01 (5-5.5')					
5.5					CH			CLAY. Mottled orange and gray.	
							8.0		
								Blind push for groundwater sample.	
16.0							16.0	Boring Terminated at Depth 16.0 ft	

CATLIN\ENR\BO_LOG_212077_GREENVILLE.PSAS_U3315.GPJ.CATLIN.GDT_11/20/12

▽ = 0hr. DTW ▼ = 24hr. DTW

APPENDIX C
LABORATORY REPORT AND CHAIN OF CUSTODY RECORD



Laboratory Report of Analysis

To: Ben Ashba
RICHARD CATLIN & ASSOCIATES
P.O. Box 10279
Wilmington, NC 28404

Report Number: **31202491**

Client Project: **NCDOT Parcel 195**

Dear Ben Ashba,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Barbara A. Hager
2012.08.16 14:19:18 -05'00'

Barbara A. Hager
Project Manager
barbara.hager@sgs.com

Date

Print Date: 08/16/2012

N.C. Certification # 481

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < DL)
V	Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit
A	Amount detected is less than the Lower Method Calibration Limit
J	Estimated Concentration.
O	The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high
E	Amount detected is greater than the Upper Calibration Limit
S	The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s)
Q	Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s)
I	Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s)
DPE	Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)
TIC	Tentatively Identified Compound
EMPC	Estimated Maximum possible Concentration due to ion ratio failure
ND	Not Detected
K	Result is estimated due to ion ratio failure in High Resolution PCB Analysis
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

M1	Mis-identified peak
M2	Software did not integrate peak
M3	incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4	Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)
M5	Other - Explained in case narrative

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
195DPT-01	31202491001	08/03/2012 10:30	08/03/2012 15:00	Water

Detectable Results Summary

Client Sample ID: **195DPT-01**
Lab Sample ID: 31202491001-A
SW-846 8270D

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	
Diethyl phthalate	5.22	ug/L	
Dimethyl phthalate	3.60	ug/L	J

Results of 195DPT-01

Client Sample ID: **195DPT-01**
 Client Project ID: **NCDOT Parcel 195**
 Lab Sample ID: **31202491001-A**
 Lab Project ID: **31202491**

Collection Date: **08/03/2012 10:30**
 Received Date: **08/03/2012 15:00**
 Matrix: **Water**

Results by SW-846 8270D

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
1,2,4-Trichlorobenzene	ND	U	1.75	5.07	ug/L	1	08/13/2012 13:07
1,2-Dichlorobenzene	ND	U	1.73	5.07	ug/L	1	08/13/2012 13:07
1,3-Dichlorobenzene	ND	U	1.67	5.07	ug/L	1	08/13/2012 13:07
1,4-Dichlorobenzene	ND	U	1.65	5.07	ug/L	1	08/13/2012 13:07
2,4-Dinitrotoluene	ND	U	1.87	5.07	ug/L	1	08/13/2012 13:07
2,6-Dinitrotoluene	ND	U	1.91	5.07	ug/L	1	08/13/2012 13:07
2-Chloronaphthalene	ND	U	2.03	5.07	ug/L	1	08/13/2012 13:07
2-Methylnaphthalene	ND	U	1.97	5.07	ug/L	1	08/13/2012 13:07
2-Nitroaniline	ND	U	1.71	5.07	ug/L	1	08/13/2012 13:07
3,3'-Dichlorobenzidine	ND	U	1.77	10.1	ug/L	1	08/13/2012 13:07
3-Nitroaniline	ND	U	1.67	25.4	ug/L	1	08/13/2012 13:07
4-Chloroaniline	ND	U	1.91	25.4	ug/L	1	08/13/2012 13:07
4-Chlorophenyl phenyl ether	ND	U	2.49	5.07	ug/L	1	08/13/2012 13:07
Acenaphthene	ND	U	2.09	5.07	ug/L	1	08/13/2012 13:07
Acenaphthylene	ND	U	2.03	5.07	ug/L	1	08/13/2012 13:07
Anthracene	ND	U	1.96	5.07	ug/L	1	08/13/2012 13:07
Benzo(a)anthracene	ND	U	1.99	5.07	ug/L	1	08/13/2012 13:07
Benzo(a)pyrene	ND	U	1.89	5.07	ug/L	1	08/13/2012 13:07
Benzo(b)fluoranthene	ND	U	1.99	5.07	ug/L	1	08/13/2012 13:07
Benzo(g,h,i)perylene	ND	U	2.18	5.07	ug/L	1	08/13/2012 13:07
Benzo(k)fluoranthene	ND	U	2.34	5.07	ug/L	1	08/13/2012 13:07
Bis(2-Chloroethoxy)methane	ND	U	2.15	5.07	ug/L	1	08/13/2012 13:07
Bis(2-Chloroethyl)ether	ND	U	2.24	5.07	ug/L	1	08/13/2012 13:07
Bis(2-Chloroisopropyl)ether	ND	U	2.07	5.07	ug/L	1	08/13/2012 13:07
Bis(2-Ethylhexyl)phthalate	ND	U	1.98	5.07	ug/L	1	08/13/2012 13:07
4-Bromophenyl phenyl ether	ND	U	2.07	5.07	ug/L	1	08/13/2012 13:07
Butyl benzyl phthalate	ND	U	1.92	5.07	ug/L	1	08/13/2012 13:07
Chrysene	ND	U	2.23	5.07	ug/L	1	08/13/2012 13:07
Di-n-butyl phthalate	ND	U	1.94	5.07	ug/L	1	08/13/2012 13:07
Di-n-octyl phthalate	ND	U	1.48	5.07	ug/L	1	08/13/2012 13:07
Dibenz(a,h)anthracene	ND	U	2.05	5.07	ug/L	1	08/13/2012 13:07
Dibenzofuran	ND	U	2.25	5.07	ug/L	1	08/13/2012 13:07
Diethyl phthalate	5.22		2.13	5.07	ug/L	1	08/13/2012 13:07
Dimethyl phthalate	3.60	J	2.17	5.07	ug/L	1	08/13/2012 13:07
Diphenylamine	ND	U	2.05	5.07	ug/L	1	08/13/2012 13:07
Fluoranthene	ND	U	2.05	5.07	ug/L	1	08/13/2012 13:07
Fluorene	ND	U	2.47	5.07	ug/L	1	08/13/2012 13:07
Hexachlorobenzene	ND	U	1.96	5.07	ug/L	1	08/13/2012 13:07
Hexachlorobutadiene	ND	U	1.54	5.07	ug/L	1	08/13/2012 13:07
Hexachlorocyclopentadiene	ND	U	0.799	10.1	ug/L	1	08/13/2012 13:07
Hexachloroethane	ND	U	1.42	5.07	ug/L	1	08/13/2012 13:07
Indeno(1,2,3-cd)pyrene	ND	U	2.05	5.07	ug/L	1	08/13/2012 13:07
Isophorone	ND	U	2.12	5.07	ug/L	1	08/13/2012 13:07
Naphthalene	ND	U	1.97	5.07	ug/L	1	08/13/2012 13:07

Results of 195DPT-01

Client Sample ID: **195DPT-01**
 Client Project ID: **NCDOT Parcel 195**
 Lab Sample ID: **31202491001-A**
 Lab Project ID: **31202491**

Collection Date: **08/03/2012 10:30**
 Received Date: **08/03/2012 15:00**
 Matrix: **Water**

Results by SW-846 8270D

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
4-Nitroaniline	ND	U	1.70	25.4	ug/L	1	08/13/2012 13:07
Nitrobenzene	ND	U	2.22	5.07	ug/L	1	08/13/2012 13:07
Phenanthrene	ND	U	2.02	5.07	ug/L	1	08/13/2012 13:07
Pyrene	ND	U	2.04	5.07	ug/L	1	08/13/2012 13:07
n-Nitrosodi-n-propylamine	ND	U	2.26	5.07	ug/L	1	08/13/2012 13:07

Surrogates

2,4,6-Tribromophenol	95.0			29.3-152	%	1	08/13/2012 13:07
2-Fluorobiphenyl	91.0			50.0-107	%	1	08/13/2012 13:07
2-Fluorophenol	74.0			33.1-118	%	1	08/13/2012 13:07
Nitrobenzene-d5	88.0			46.0-118	%	1	08/13/2012 13:07
Phenol-d6	91.0			49.0-120	%	1	08/13/2012 13:07
Terphenyl-d14	44.0			22.1-142	%	1	08/13/2012 13:07

Batch Information

Analytical Batch: **XMS1634**
 Analytical Method: **SW-846 8270D**
 Instrument: **MSD10**
 Analyst: **CMP**
 Analytical Date/Time: **08/13/2012 13:07**

Prep Batch: **XXX2911**
 Prep Method: **SW-846 3520C**
 Prep Date/Time: **08/10/2012 11:47**
 Prep Initial Wt./Vol.: **986 mL**
 Prep Extract Vol: **5 mL**

Batch Summary

Analytical Method: SW-846 8270D

Prep Method: SW-846 3520C

Prep Batch: XXX2911

Prep Date: 08/10/2012 11:47

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
MB for HBN 26953 [XXX/2911]	84735	08/13/2012 11:59	XMS1634	MSD10	CMP
LCS for HBN 26953 [XXX/2911]	84736	08/13/2012 12:22	XMS1634	MSD10	CMP
LCSD for HBN 26953 [XXX/2911]	84737	08/13/2012 12:45	XMS1634	MSD10	CMP
195DPT-01	31202491001	08/13/2012 13:07	XMS1634	MSD10	CMP

Method Blank

Blank ID: MB for HBN 26953 [XXX/2911]
 Blank Lab ID: 84735
 QC for Samples:
 31202491001

Matrix: Water

Results by SW-846 8270D

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bis(2-Chloroethyl)ether	ND	U	2.21	5.00	ug/L	1
1,3-Dichlorobenzene	ND	U	1.65	5.00	ug/L	1
1,4-Dichlorobenzene	ND	U	1.63	5.00	ug/L	1
1,2-Dichlorobenzene	ND	U	1.71	5.00	ug/L	1
Bis(2-Chloroisopropyl)ether	ND	U	2.04	5.00	ug/L	1
n-Nitrosodi-n-propylamine	ND	U	2.23	5.00	ug/L	1
Hexachloroethane	ND	U	1.40	5.00	ug/L	1
Nitrobenzene	ND	U	2.19	5.00	ug/L	1
Isophorone	ND	U	2.09	5.00	ug/L	1
Bis(2-Chloroethoxy)methane	ND	U	2.12	5.00	ug/L	1
1,2,4-Trichlorobenzene	ND	U	1.73	5.00	ug/L	1
Naphthalene	ND	U	1.94	5.00	ug/L	1
4-Chloroaniline	ND	U	1.88	25.0	ug/L	1
Hexachlorobutadiene	ND	U	1.52	5.00	ug/L	1
2-Methylnaphthalene	ND	U	1.94	5.00	ug/L	1
Hexachlorocyclopentadiene	ND	U	0.788	10.0	ug/L	1
2-Chloronaphthalene	ND	U	2.00	5.00	ug/L	1
2-Nitroaniline	ND	U	1.69	5.00	ug/L	1
3-Nitroaniline	ND	U	1.65	25.0	ug/L	1
Dimethyl phthalate	ND	U	2.14	5.00	ug/L	1
2,6-Dinitrotoluene	ND	U	1.88	5.00	ug/L	1
Acenaphthene	ND	U	2.06	5.00	ug/L	1
Dibenzofuran	ND	U	2.22	5.00	ug/L	1
2,4-Dinitrotoluene	ND	U	1.84	5.00	ug/L	1
Fluorene	ND	U	2.44	5.00	ug/L	1
Diethyl phthalate	ND	U	2.10	5.00	ug/L	1
4-Chlorophenyl phenyl ether	ND	U	2.46	5.00	ug/L	1
4-Nitroaniline	ND	U	1.68	25.0	ug/L	1
Diphenylamine	ND	U	2.02	5.00	ug/L	1
4-Bromophenyl phenyl ether	ND	U	2.04	5.00	ug/L	1
Hexachlorobenzene	ND	U	1.93	5.00	ug/L	1
Phenanthrene	ND	U	1.99	5.00	ug/L	1
Anthracene	ND	U	1.93	5.00	ug/L	1
Di-n-butyl phthalate	ND	U	1.91	5.00	ug/L	1
Fluoranthene	ND	U	2.02	5.00	ug/L	1
Pyrene	ND	U	2.01	5.00	ug/L	1
Butyl benzyl phthalate	ND	U	1.89	5.00	ug/L	1
Benzo(a)anthracene	ND	U	1.96	5.00	ug/L	1
3,3'-Dichlorobenzidine	ND	U	1.75	10.0	ug/L	1
Chrysene	ND	U	2.20	5.00	ug/L	1
Bis(2-Ethylhexyl)phthalate	ND	U	1.95	5.00	ug/L	1
Di-n-octyl phthalate	ND	U	1.46	5.00	ug/L	1

Method Blank

Blank ID: MB for HBN 26953 [XXX/2911]
 Blank Lab ID: 84735
 QC for Samples:
 31202491001

Matrix: Water

Results by SW-846 8270D

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Benzo(b)fluoranthene	ND	U	1.96	5.00	ug/L	1
Benzo(k)fluoranthene	ND	U	2.31	5.00	ug/L	1
Benzo(a)pyrene	ND	U	1.86	5.00	ug/L	1
Indeno(1,2,3-cd)pyrene	ND	U	2.02	5.00	ug/L	1
Dibenz(a,h)anthracene	ND	U	2.02	5.00	ug/L	1
Benzo(g,h,i)perylene	ND	U	2.15	5.00	ug/L	1
Acenaphthylene	ND	U	2.00	5.00	ug/L	1
Surrogates						
2-Fluorophenol	79.0			33.1-118	%	1
Phenol-d6	93.0			49.0-120	%	1
Nitrobenzene-d5	88.0			46.0-118	%	1
2-Fluorobiphenyl	92.0			50.0-107	%	1
2,4,6-Tribromophenol	92.0			29.3-152	%	1
Terphenyl-d14	100			22.1-142	%	1

Batch Information

Analytical Batch: XMS1634
 Analytical Method: SW-846 8270D
 Instrument: MSD10
 Analyst: CMP
 Analytical Date/Time: 8/13/2012 11:59:00AM

Prep Batch: XXX2911
 Prep Method: SW-846 3520C
 Prep Date/Time: 8/10/2012 11:47:58AM
 Prep Initial Wt./Vol.: 1000 mL
 Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 26953 [XXX/2911]
 Blank Spike Lab ID: 84736
 Date Analyzed: 08/13/2012 12:22

Spike Duplicate ID: LCSD for HBN 26953 [XXX/2911]
 Spike Duplicate Lab ID: 84737
 Date Analyzed: 08/13/2012 12:45
 Matrix: Water

QC for Samples: 31202491001

Results by SW-846 8270D

Parameter	Blank Spike (ug/L)			Spike Duplicate (ug/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Bis(2-Chloroethyl)ether	50.0	45.1	90	50.0	43.9	88	61.0-117	2.7	30.00
1,3-Dichlorobenzene	50.0	41.3	83	50.0	36.6	73	22.0-101	12	30.00
1,4-Dichlorobenzene	50.0	42.0	84	50.0	37.5	75	25.0-102	11	30.00
1,2-Dichlorobenzene	50.0	42.6	85	50.0	39.3	79	29.0-102	8.1	30.00
Bis(2-Chloroisopropyl)ether	50.0	37.5	75	50.0	35.8	72	56.0-112	4.6	30.00
n-Nitrosodi-n-propylamine	50.0	37.8	76	50.0	36.1	72	53.0-115	4.6	30.00
Hexachloroethane	50.0	39.9	80	50.0	36.6	73	11.0-104	8.6	30.00
Nitrobenzene	50.0	46.0	92	50.0	43.3	87	63.0-115	6.0	30.00
Isophorone	50.0	47.7	95	50.0	45.0	90	64.0-121	5.8	30.00
Bis(2-Chloroethoxy)methane	50.0	48.7	97	50.0	46.1	92	62.0-107	5.5	30.00
1,2,4-Trichlorobenzene	50.0	48.6	97	50.0	45.4	91	45.0-108	6.8	30.00
Naphthalene	50.0	48.8	98	50.0	45.8	92	52.0-110	6.3	30.00
4-Chloroaniline	50.0	42.6	85	50.0	39.1	78	44.0-115	8.6	30.00
Hexachlorobutadiene	50.0	45.4	91	50.0	42.8	86	25.0-115	5.9	30.00
2-Methylnaphthalene	50.0	50.0	100	50.0	47.1	94	55.0-112	6.0	30.00
Hexachlorocyclopentadiene	50.0	50.3	101	50.0	47.5	95	0.00-1430	5.7	30.00
2-Chloronaphthalene	50.0	45.4	91	50.0	43.0	86	57.0-105	5.4	30.00
2-Nitroaniline	50.0	39.0	78	50.0	36.9	74	53.0-108	5.5	30.00
3-Nitroaniline	50.0	46.9	94	50.0	44.0	88	54.0-116	6.4	30.00
Dimethyl phthalate	50.0	50.1	100	50.0	47.2	94	66.0-119	6.0	30.00
2,6-Dinitrotoluene	50.0	51.3	103	50.0	48.7	97	65.0-121	5.2	30.00
Acenaphthene	50.0	48.3	97	50.0	46.4	93	60.0-114	4.0	30.00
Dibenzofuran	50.0	50.5	101	50.0	47.7	95	64.0-120	5.7	30.00
2,4-Dinitrotoluene	50.0	50.9	102	50.0	47.8	96	65.0-125	6.3	30.00
Fluorene	50.0	50.8	102	50.0	47.9	96	52.0-120	5.9	30.00
Diethyl phthalate	50.0	49.1	98	50.0	46.1	92	59.0-122	6.3	30.00
4-Chlorophenyl phenyl ether	50.0	52.2	104	50.0	48.6	97	61.0-113	7.1	30.00
4-Nitroaniline	50.0	47.1	94	50.0	43.3	87	53.0-123	8.4	30.00
Diphenylamine	50.0	48.4	97	50.0	46.6	93	51.0-114	3.8	30.00
4-Bromophenyl phenyl ether	50.0	52.9	106	50.0	48.9	98	61.0-109	7.9	30.00
Hexachlorobenzene	50.0	47.9	96	50.0	46.6	93	53.0-110	2.8	30.00
Phenanthrene	50.0	52.5	105	50.0	49.8	100	53.0-115	5.3	30.00
Anthracene	50.0	47.4	95	50.0	45.0	90	50.0-113	5.2	30.00
Di-n-butyl phthalate	50.0	53.6	107	50.0	51.8	104	59.0-123	3.4	30.00

Blank Spike Summary

Blank Spike ID: LCS for HBN 26953 [XXX/2911]
 Blank Spike Lab ID: 84736
 Date Analyzed: 08/13/2012 12:22

Spike Duplicate ID: LCSD for HBN 26953 [XXX/2911]
 Spike Duplicate Lab ID: 84737
 Date Analyzed: 08/13/2012 12:45
 Matrix: Water

QC for Samples: 31202491001

Results by SW-846 8270D

Parameter	Blank Spike (ug/L)			Spike Duplicate (ug/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Fluoranthene	50.0	53.5	107	50.0	51.8	104	54.0-119	3.2	30.00
Pyrene	50.0	51.8	104	50.0	49.0	98	60.0-120	5.6	30.00
Butyl benzyl phthalate	50.0	48.4	97	50.0	45.9	92	61.0-128	5.3	30.00
Benzo(a)anthracene	50.0	50.8	102	50.0	48.0	96	57.0-119	5.7	30.00
3,3'-Dichlorobenzidine	50.0	46.0	92	50.0	42.6	85	37.0-136	7.7	30.00
Chrysene	50.0	51.4	103	50.0	48.6	97	59.0-117	5.6	30.00
Bis(2-Ethylhexyl)phthalate	50.0	49.9	100	50.0	47.3	95	63.0-122	5.3	30.00
Di-n-octyl phthalate	50.0	53.7	107	50.0	50.9	102	62.0-129	5.4	30.00
Benzo(b)fluoranthene	50.0	50.0	100	50.0	45.4	91	59.0-120	9.6	30.00
Benzo(k)fluoranthene	50.0	49.6	99	50.0	49.2	98	62.0-124	0.81	30.00
Benzo(a)pyrene	50.0	47.0	94	50.0	45.1	90	54.0-123	4.1	30.00
Indeno(1,2,3-cd)pyrene	50.0	54.7	109	50.0	52.5	105	59.0-127	4.1	30.00
Dibenz(a,h)anthracene	50.0	55.5	111	50.0	53.1	106	59.0-129	4.4	30.00
Benzo(g,h,i)perylene	50.0	56.3	113	50.0	53.6	107	60.0-126	4.9	30.00
Acenaphthylene	50.0	49.9	100	50.0	47.7	95	58.0-117	4.5	30.00
Surrogates									
2-Fluorophenol			85			79	33.1-118		
Phenol-d6			98			93	49.0-120		
Nitrobenzene-d5			93			86	46.0-118		
2-Fluorobiphenyl			99			94	50.0-107		
2,4,6-Tribromophenol			109			102	29.3-152		
Terphenyl-d14			99			92	22.1-142		

Batch Information

Analytical Batch: XMS1634
 Analytical Method: SW-846 8270D
 Instrument: MSD10
 Analyst: CMP

Prep Batch: XXX2911
 Prep Method: SW-846 3520C
 Prep Date/Time: 08/10/2012 11:47
 Spike Init Wt./Vol.: 1000 mL Extract Vol: 5 mL
 Dupe Init Wt./Vol.: 1000 mL Extract Vol: 5 mL



CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
 5500 Business Drive
 Wilmington, NC 28405
 +1 910 350 1903
 WWW.SGS.COM

CLIENT: CATLIN/NC DOT CONTACT: Ben Ashbore CARLINEPHONE NO: (910) 452-8864 PROJECT: NC DOT Parcel 195 SITE / PWSID (WBS #) 3570112 REPORTS TO: Ben e CARLIN U-3315 EMAIL: ben.ashbore@catlinus.com PITT County INVOICE TO: NC DOT QUOTE # P.O. NUMBER NC DOT		SGS Reference #: 31202491 # CONTAINERS PRESERVATIVES USED ANALYSES REQUESTED	PAGE 1 OF 1
SAMPLE TYPE C= COMP G= GRAB	MATRIX H2O	8270 BW 10	REMARKS
LAB NO. 1950PT-01	SAMPLE IDENTIFICATION DATE 8-3-12 TIME 1030	RECEIVED BY: Received By: <i>[Signature]</i>	REPORT LEVEL: <input type="checkbox"/> Level I <input checked="" type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Trust Fund
COLLECTED/RELINQUISHED BY: (1) <i>[Signature]</i>	DATE 8-3-12 TIME 1500	RECEIVED BY: Received By: <i>[Signature]</i>	SPECIAL DELIVERABLES: State of Origin: <input type="checkbox"/> DoD <input checked="" type="checkbox"/> YEDD: Summary <input type="checkbox"/> Other:
Relinquished By: (2)	Date Time	Received By:	SPECIAL INSTRUCTIONS:
Relinquished By: (3)	Date Time	Received By:	Shipping Carrier: ABSENT Shipping Ticket No:
Received For Laboratory By:	Date Time	Received By:	Notes:

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
 Yellow - Retained by Client

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: NCDOT-Catlin Work Order No.: 31202491

- | | | |
|-----|-------------------------------------------------------------------------|-----------------------------------|
| 1. | <input type="checkbox"/> Shipped | Notes: _____ |
| | <input checked="" type="checkbox"/> Hand Delivered | _____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt | _____ |
| | <input type="checkbox"/> No COC | _____ |
| | <input type="checkbox"/> Additional Transmittal Forms | _____ |
| 3. | <input type="checkbox"/> Custody Tape on Container | _____ |
| | <input checked="" type="checkbox"/> No Custody Tape | _____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact | _____ |
| | <input type="checkbox"/> Samples Broken / Leaking | _____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt | Actual Temp.(s) in °C: <u>5.2</u> |
| | <input type="checkbox"/> Ambient on Receipt | _____ |
| | <input type="checkbox"/> Walk-in on Ice; Coming down to temp. | _____ |
| | <input type="checkbox"/> Received Outside of Temperature Specifications | _____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted | _____ |
| | <input type="checkbox"/> Insufficient Sample Submitted | _____ |
| 7. | <input type="checkbox"/> Chlorine absent | _____ |
| | <input type="checkbox"/> HNO3 < 2 | _____ |
| | <input type="checkbox"/> HCL < 2 | _____ |
| | <input type="checkbox"/> Additional Preservatives verified (see notes) | _____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time | _____ |
| | <input type="checkbox"/> Not Received Within Holding Time | _____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted | _____ |
| | <input type="checkbox"/> Discrepancies Noted | _____ |
| | <input type="checkbox"/> NCDENR notified of Discrepancies* | _____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials | _____ |
| | <input type="checkbox"/> Headspace present in VOC vials >6mm | _____ |

Comments: _____

Inspected and Logged in by: AV
Date: Mon-8/6/12 00:00



Laboratory Report of Analysis

To: Ben Ashba
RICHARD CATLIN & ASSOCIATES
P.O. Box 10279
Wilmington, NC 28404

Report Number: 31202363

Client Project: NCDOT Parcel 195

Dear Ben Ashba,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Handwritten signature of Barbara A. Hager

Barbara A. Hager
2012.07.31 14:19:12 -05'00'

Barbara A. Hager
Project Manager
barbara.hager@sgs.com

Date

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < DL)
V	Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit
A	Amount detected is less than the Lower Method Calibration Limit
J	Estimated Concentration.
O	The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high
E	Amount detected is greater than the Upper Calibration Limit
S	The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s)
Q	Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s)
I	Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s)
DPE	Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)
TIC	Tentatively Identified Compound
EMPC	Estimated Maximum possible Concentration due to ion ratio failure
ND	Not Detected
K	Result is estimated due to ion ratio failure in High Resolution PCB Analysis
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

M1	Mis-identified peak
M2	Software did not integrate peak
M3	Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4	Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)
M5	Other - Explained in case narrative

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
195DPT01 (5-5.5ft)	31202363001	07/25/2012 10:40	07/26/2012 16:42	Soil-Solid as dry weight
195DPT-01	31202363002	07/26/2012 12:30	07/26/2012 16:42	Water
Trip Blanks (Not on COC)	31202363003	07/26/2012 00:00	07/26/2012 16:42	Water

Detectable Results Summary

Client Sample ID: **195DPT01 (5-5.5ft)**

Lab Sample ID: 31202363001-A

SW-846 8260B

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	
Methylene chloride	0.964	ug/Kg	J

Client Sample ID: **195DPT-01**

Lab Sample ID: 31202363002-A

SW-846 8260B

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	
1,2,4-Trimethylbenzene	0.110	ug/L	J
Acetone	10.8	ug/L	J
Benzene	0.140	ug/L	J
Ethyl Benzene	0.220	ug/L	J
Toluene	0.740	ug/L	J
Xylene (total)	0.790	ug/L	J
m,p-Xylene	0.550	ug/L	J
o-Xylene	0.240	ug/L	J

Client Sample ID: **Trip Blanks (Not on COC)**

Lab Sample ID: 31202363003-A

SW-846 8260B

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	
Methylene chloride	0.590	ug/L	J

Quality Control Samples

Client Sample ID: **MB-S for HBN 26131 [VXX/3717]**

Lab Sample ID: 82391

SW-846 8260B

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	
Methylene chloride	0.930	ug/Kg	J

Results of 195DPT01 (5-5.5ft)

Client Sample ID: 195DPT01 (5-5.5ft)
 Client Project ID: NCDOT Parcel 195
 Lab Sample ID: 31202363001-A
 Lab Project ID: 31202363

Collection Date: 07/25/2012 10:40
 Received Date: 07/26/2012 16:42
 Matrix: Soil-Solid as dry weight
 Solids (%): 77.10

Results by SW-846 8260B

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
1,1,1,2-Tetrachloroethane	ND	U	1.00	4.73	ug/Kg	1	07/27/2012 15:21
1,1,1-Trichloroethane	ND	U	0.735	4.73	ug/Kg	1	07/27/2012 15:21
1,1,2,2-Tetrachloroethane	ND	U	1.07	4.73	ug/Kg	1	07/27/2012 15:21
1,1,2-Trichloroethane	ND	U	0.983	4.73	ug/Kg	1	07/27/2012 15:21
1,1-Dichloroethane	ND	U	0.816	4.73	ug/Kg	1	07/27/2012 15:21
1,1-Dichloroethene	ND	U	0.854	4.73	ug/Kg	1	07/27/2012 15:21
1,1-Dichloropropene	ND	U	0.872	4.73	ug/Kg	1	07/27/2012 15:21
1,2,3-Trichlorobenzene	ND	U	1.31	4.73	ug/Kg	1	07/27/2012 15:21
1,2,3-Trichloropropane	ND	U	1.05	4.73	ug/Kg	1	07/27/2012 15:21
1,2,4-Trichlorobenzene	ND	U	1.12	4.73	ug/Kg	1	07/27/2012 15:21
1,2,4-Trimethylbenzene	ND	U	1.01	4.73	ug/Kg	1	07/27/2012 15:21
1,2-Dibromo-3-chloropropane	ND	U	5.49	28.4	ug/Kg	1	07/27/2012 15:21
1,2-Dibromoethane	ND	U	0.717	4.73	ug/Kg	1	07/27/2012 15:21
1,2-Dichlorobenzene	ND	U	1.22	4.73	ug/Kg	1	07/27/2012 15:21
1,2-Dichloroethane	ND	U	0.838	4.73	ug/Kg	1	07/27/2012 15:21
1,2-Dichloropropane	ND	U	0.761	4.73	ug/Kg	1	07/27/2012 15:21
1,3,5-Trimethylbenzene	ND	U	0.930	4.73	ug/Kg	1	07/27/2012 15:21
1,3-Dichlorobenzene	ND	U	1.10	4.73	ug/Kg	1	07/27/2012 15:21
1,3-Dichloropropane	ND	U	0.762	4.73	ug/Kg	1	07/27/2012 15:21
1,4-Dichlorobenzene	ND	U	1.04	4.73	ug/Kg	1	07/27/2012 15:21
2,2-Dichloropropane	ND	U	0.788	4.73	ug/Kg	1	07/27/2012 15:21
2-Butanone	ND	U	1.47	23.6	ug/Kg	1	07/27/2012 15:21
2-Chlorotoluene	ND	U	1.06	4.73	ug/Kg	1	07/27/2012 15:21
2-Hexanone	ND	U	1.84	11.8	ug/Kg	1	07/27/2012 15:21
4-Chlorotoluene	ND	U	1.05	4.73	ug/Kg	1	07/27/2012 15:21
4-Isopropyltoluene	ND	U	0.983	4.73	ug/Kg	1	07/27/2012 15:21
4-Methyl-2-pentanone	ND	U	3.03	11.8	ug/Kg	1	07/27/2012 15:21
Acetone	ND	U	1.17	47.3	ug/Kg	1	07/27/2012 15:21
Benzene	ND	U	0.844	4.73	ug/Kg	1	07/27/2012 15:21
Bromobenzene	ND	U	0.932	4.73	ug/Kg	1	07/27/2012 15:21
Bromochloromethane	ND	U	0.825	4.73	ug/Kg	1	07/27/2012 15:21
Bromodichloromethane	ND	U	0.769	4.73	ug/Kg	1	07/27/2012 15:21
Bromoform	ND	U	0.632	4.73	ug/Kg	1	07/27/2012 15:21
Bromomethane	ND	U	1.66	4.73	ug/Kg	1	07/27/2012 15:21
n-Butylbenzene	ND	U	1.02	4.73	ug/Kg	1	07/27/2012 15:21
Carbon disulfide	ND	U	0.817	4.73	ug/Kg	1	07/27/2012 15:21
Carbon tetrachloride	ND	U	0.822	4.73	ug/Kg	1	07/27/2012 15:21
Chlorobenzene	ND	U	0.732	4.73	ug/Kg	1	07/27/2012 15:21
Chloroethane	ND	U	0.435	4.73	ug/Kg	1	07/27/2012 15:21
Chloroform	ND	U	0.768	4.73	ug/Kg	1	07/27/2012 15:21
Chloromethane	ND	U	0.685	4.73	ug/Kg	1	07/27/2012 15:21
Dibromochloromethane	ND	U	0.801	4.73	ug/Kg	1	07/27/2012 15:21
Dibromomethane	ND	U	0.768	4.73	ug/Kg	1	07/27/2012 15:21
Dichlorodifluoromethane	ND	U	0.687	4.73	ug/Kg	1	07/27/2012 15:21

Results of 195DPT01 (5-5.5ft)

Client Sample ID: 195DPT01 (5-5.5ft)
 Client Project ID: NCDOT Parcel 195
 Lab Sample ID: 31202363001-A
 Lab Project ID: 31202363

Collection Date: 07/25/2012 10:40
 Received Date: 07/26/2012 16:42
 Matrix: Soil-Solid as dry weight
 Solids (%): 77.10

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	0.814	4.73	ug/Kg	1	07/27/2012 15:21
trans-1,3-Dichloropropene	ND	U	0.847	4.73	ug/Kg	1	07/27/2012 15:21
Diisopropyl Ether	ND	U	0.849	4.73	ug/Kg	1	07/27/2012 15:21
Ethyl Benzene	ND	U	0.782	4.73	ug/Kg	1	07/27/2012 15:21
Hexachlorobutadiene	ND	U	1.30	4.73	ug/Kg	1	07/27/2012 15:21
Isopropylbenzene (Cumene)	ND	U	0.910	4.73	ug/Kg	1	07/27/2012 15:21
Methyl iodide	ND	U	0.800	4.73	ug/Kg	1	07/27/2012 15:21
Methylene chloride	0.964	J	0.660	18.9	ug/Kg	1	07/27/2012 15:21
Naphthalene	ND	U	1.14	4.73	ug/Kg	1	07/27/2012 15:21
Styrene	ND	U	0.932	4.73	ug/Kg	1	07/27/2012 15:21
Tetrachloroethene	ND	U	0.711	4.73	ug/Kg	1	07/27/2012 15:21
Toluene	ND	U	0.766	4.73	ug/Kg	1	07/27/2012 15:21
Trichloroethene	ND	U	0.791	4.73	ug/Kg	1	07/27/2012 15:21
Trichlorofluoromethane	ND	U	0.713	4.73	ug/Kg	1	07/27/2012 15:21
Vinyl chloride	ND	U	0.696	4.73	ug/Kg	1	07/27/2012 15:21
Xylene (total)	ND	U	1.67	9.45	ug/Kg	1	07/27/2012 15:21
cis-1,2-Dichloroethene	ND	U	0.733	4.73	ug/Kg	1	07/27/2012 15:21
m,p-Xylene	ND	U	1.67	9.45	ug/Kg	1	07/27/2012 15:21
n-Propylbenzene	ND	U	0.922	4.73	ug/Kg	1	07/27/2012 15:21
o-Xylene	ND	U	0.955	4.73	ug/Kg	1	07/27/2012 15:21
sec-Butylbenzene	ND	U	0.983	4.73	ug/Kg	1	07/27/2012 15:21
tert-Butyl methyl ether (MTBE)	ND	U	0.805	4.73	ug/Kg	1	07/27/2012 15:21
tert-Butylbenzene	ND	U	0.856	4.73	ug/Kg	1	07/27/2012 15:21
trans-1,2-Dichloroethene	ND	U	0.814	4.73	ug/Kg	1	07/27/2012 15:21
trans-1,4-Dichloro-2-butene	ND	U	5.11	23.6	ug/Kg	1	07/27/2012 15:21

Surrogates

1,2-Dichloroethane-d4	113			55.0-173	%	1	07/27/2012 15:21
4-Bromofluorobenzene	100			23.0-141	%	1	07/27/2012 15:21
Toluene d8	101			57.0-134	%	1	07/27/2012 15:21

Batch Information

Analytical Batch: VMS2418
 Analytical Method: SW-846 8260B
 Instrument: MSD2
 Analyst: DVO
 Analytical Date/Time: 07/27/2012 15:21

Prep Batch: VXX3717
 Prep Method: SW-846 5035 SL
 Prep Date/Time: 07/27/2012 10:38
 Prep Initial Wt./Vol.: 6.86 g
 Prep Extract Vol: 5 mL

Results of 195DPT01 (5-5.5ft)

Client Sample ID: 195DPT01 (5-5.5ft)
 Client Project ID: NCDOT Parcel 195
 Lab Sample ID: 31202363001-E
 Lab Project ID: 31202363

Collection Date: 07/25/2012 10:40
 Received Date: 07/26/2012 16:42
 Matrix: Soil-Solid as dry weight
 Solids (%): 77.10

Results by SW-846 8270D

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
1,2,4-Trichlorobenzene	ND	U	35.6	404	ug/Kg	1	07/30/2012 19:21
1,2-Dichlorobenzene	ND	U	20.1	404	ug/Kg	1	07/30/2012 19:21
1,3-Dichlorobenzene	ND	U	27.2	404	ug/Kg	1	07/30/2012 19:21
1,4-Dichlorobenzene	ND	U	28.5	404	ug/Kg	1	07/30/2012 19:21
2,4,5-Trichlorophenol	ND	U	27.0	404	ug/Kg	1	07/30/2012 19:21
2,4,6-Trichlorophenol	ND	U	27.4	404	ug/Kg	1	07/30/2012 19:21
2,4-Dichlorophenol	ND	U	23.4	404	ug/Kg	1	07/30/2012 19:21
2,4-Dinitrophenol	ND	U	37.4	807	ug/Kg	1	07/30/2012 19:21
2,4-Dinitrotoluene	ND	U	20.4	404	ug/Kg	1	07/30/2012 19:21
2,6-Dinitrotoluene	ND	U	28.9	404	ug/Kg	1	07/30/2012 19:21
2-Chloronaphthalene	ND	U	23.8	404	ug/Kg	1	07/30/2012 19:21
2-Chlorophenol	ND	U	21.4	404	ug/Kg	1	07/30/2012 19:21
2-Methylnaphthalene	ND	U	32.7	404	ug/Kg	1	07/30/2012 19:21
2-Methylphenol	ND	U	22.3	404	ug/Kg	1	07/30/2012 19:21
2-Nitroaniline	ND	U	26.6	404	ug/Kg	1	07/30/2012 19:21
2-Nitrophenol	ND	U	19.4	404	ug/Kg	1	07/30/2012 19:21
3 and/or 4-Methylphenol	ND	U	26.2	404	ug/Kg	1	07/30/2012 19:21
3,3'-Dichlorobenzidine	ND	U	19.4	404	ug/Kg	1	07/30/2012 19:21
3-Nitroaniline	ND	U	18.2	404	ug/Kg	1	07/30/2012 19:21
4,6-Dinitro-2-methylphenol	ND	U	19.0	404	ug/Kg	1	07/30/2012 19:21
4-Chloro-3-methylphenol	ND	U	20.1	404	ug/Kg	1	07/30/2012 19:21
4-Chloroaniline	ND	U	32.3	404	ug/Kg	1	07/30/2012 19:21
4-Chlorophenyl phenyl ether	ND	U	43.1	404	ug/Kg	1	07/30/2012 19:21
Acenaphthene	ND	U	18.3	404	ug/Kg	1	07/30/2012 19:21
Acenaphthylene	ND	U	17.0	404	ug/Kg	1	07/30/2012 19:21
Anthracene	ND	U	17.9	404	ug/Kg	1	07/30/2012 19:21
Benzo(a)anthracene	ND	U	22.2	404	ug/Kg	1	07/30/2012 19:21
Benzo(a)pyrene	ND	U	22.9	404	ug/Kg	1	07/30/2012 19:21
Benzo(b)fluoranthene	ND	U	23.2	404	ug/Kg	1	07/30/2012 19:21
Benzo(g,h,i)perylene	ND	U	64.3	404	ug/Kg	1	07/30/2012 19:21
Benzo(k)fluoranthene	ND	U	48.4	404	ug/Kg	1	07/30/2012 19:21
Benzoic acid	ND	U	8.96	404	ug/Kg	1	07/30/2012 19:21
Bis(2-Chloroethoxy)methane	ND	U	18.2	404	ug/Kg	1	07/30/2012 19:21
Bis(2-Chloroethyl)ether	ND	U	37.7	404	ug/Kg	1	07/30/2012 19:21
Bis(2-Chloroisopropyl)ether	ND	U	35.3	404	ug/Kg	1	07/30/2012 19:21
Bis(2-Ethylhexyl)phthalate	ND	U	19.4	404	ug/Kg	1	07/30/2012 19:21
4-Bromophenyl phenyl ether	ND	U	26.6	404	ug/Kg	1	07/30/2012 19:21
Butyl benzyl phthalate	ND	U	35.1	404	ug/Kg	1	07/30/2012 19:21
Chrysene	ND	U	47.0	404	ug/Kg	1	07/30/2012 19:21
Di-n-butyl phthalate	ND	U	19.1	404	ug/Kg	1	07/30/2012 19:21
Di-n-octyl phthalate	ND	U	22.3	404	ug/Kg	1	07/30/2012 19:21
Dibenz(a,h)anthracene	ND	U	18.2	404	ug/Kg	1	07/30/2012 19:21
Dibenzofuran	ND	U	31.6	404	ug/Kg	1	07/30/2012 19:21
Diethyl phthalate	ND	U	21.8	404	ug/Kg	1	07/30/2012 19:21

Results of 195DPT01 (5-5.5ft)

Client Sample ID: **195DPT01 (5-5.5ft)**
 Client Project ID: **NCDOT Parcel 195**
 Lab Sample ID: 31202363001-E
 Lab Project ID: 31202363

Collection Date: 07/25/2012 10:40
 Received Date: 07/26/2012 16:42
 Matrix: Soil-Solid as dry weight
 Solids (%): 77.10

Results by SW-846 8270D

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Dimethyl phthalate	ND	U	31.0	404	ug/Kg	1	07/30/2012 19:21
2,4-Dimethylphenol	ND	U	29.6	404	ug/Kg	1	07/30/2012 19:21
Diphenylamine	ND	U	18.2	404	ug/Kg	1	07/30/2012 19:21
Fluoranthene	ND	U	38.0	404	ug/Kg	1	07/30/2012 19:21
Fluorene	ND	U	21.4	404	ug/Kg	1	07/30/2012 19:21
Hexachlorobenzene	ND	U	38.2	404	ug/Kg	1	07/30/2012 19:21
Hexachlorobutadiene	ND	U	24.1	404	ug/Kg	1	07/30/2012 19:21
Hexachlorocyclopentadiene	ND	U	122	404	ug/Kg	1	07/30/2012 19:21
Hexachloroethane	ND	U	23.2	404	ug/Kg	1	07/30/2012 19:21
Indeno(1,2,3-cd)pyrene	ND	U	31.5	404	ug/Kg	1	07/30/2012 19:21
Isophorone	ND	U	18.3	404	ug/Kg	1	07/30/2012 19:21
Naphthalene	ND	U	34.9	404	ug/Kg	1	07/30/2012 19:21
4-Nitroaniline	ND	U	23.2	404	ug/Kg	1	07/30/2012 19:21
Nitrobenzene	ND	U	23.2	404	ug/Kg	1	07/30/2012 19:21
4-Nitrophenol	ND	U	39.8	404	ug/Kg	1	07/30/2012 19:21
Pentachlorophenol	ND	U	32.3	404	ug/Kg	1	07/30/2012 19:21
Phenanthrene	ND	U	26.6	404	ug/Kg	1	07/30/2012 19:21
Phenol	ND	U	37.7	404	ug/Kg	1	07/30/2012 19:21
Pyrene	ND	U	17.0	404	ug/Kg	1	07/30/2012 19:21
n-Nitrosodi-n-propylamine	ND	U	116	404	ug/Kg	1	07/30/2012 19:21

Surrogates

2,4,6-Tribromophenol	100			41.0-129	%	1	07/30/2012 19:21
2-Fluorobiphenyl	90.0			48.0-123	%	1	07/30/2012 19:21
2-Fluorophenol	84.0			42.0-123	%	1	07/30/2012 19:21
Nitrobenzene-d5	90.0			46.0-117	%	1	07/30/2012 19:21
Phenol-d6	96.0			48.0-125	%	1	07/30/2012 19:21
Terphenyl-d14	111			44.0-140	%	1	07/30/2012 19:21

Batch Information

Analytical Batch: **XMS1614**
 Analytical Method: **SW-846 8270D**
 Instrument: **MSD10**
 Analyst: **CMP**
 Analytical Date/Time: **07/30/2012 19:21**

Prep Batch: **XXX2863**
 Prep Method: **SW-846 3541**
 Prep Date/Time: **07/27/2012 10:01**
 Prep Initial Wt./Vol.: **32.14 g**
 Prep Extract Vol: **10 mL**

Results of 195DPT-01

Client Sample ID: 195DPT-01
 Client Project ID: NCDOT Parcel 195
 Lab Sample ID: 31202363002-A
 Lab Project ID: 31202363

Collection Date: 07/26/2012 12:30
 Received Date: 07/26/2012 16:42
 Matrix: Water

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.104	1.00	ug/L	1	07/27/2012 18:20
1,1,1-Trichloroethane	ND	U	0.123	1.00	ug/L	1	07/27/2012 18:20
1,1,2,2-Tetrachloroethane	ND	U	0.156	1.00	ug/L	1	07/27/2012 18:20
1,1,2-Trichloroethane	ND	U	0.126	1.00	ug/L	1	07/27/2012 18:20
1,1-Dichloroethane	ND	U	0.165	1.00	ug/L	1	07/27/2012 18:20
1,1-Dichloroethene	ND	U	0.212	1.00	ug/L	1	07/27/2012 18:20
1,1-Dichloropropene	ND	U	0.0863	1.00	ug/L	1	07/27/2012 18:20
1,2,3-Trichlorobenzene	ND	U	0.110	1.00	ug/L	1	07/27/2012 18:20
1,2,3-Trichloropropane	ND	U	0.212	1.00	ug/L	1	07/27/2012 18:20
1,2,4-Trichlorobenzene	ND	U	0.0913	1.00	ug/L	1	07/27/2012 18:20
1,2,4-Trimethylbenzene	0.110	J	0.0961	1.00	ug/L	1	07/27/2012 18:20
1,2-Dibromo-3-chloropropane	ND	U	0.748	5.00	ug/L	1	07/27/2012 18:20
1,2-Dibromoethane	ND	U	0.120	1.00	ug/L	1	07/27/2012 18:20
1,2-Dichlorobenzene	ND	U	0.137	1.00	ug/L	1	07/27/2012 18:20
1,2-Dichloroethane	ND	U	0.167	1.00	ug/L	1	07/27/2012 18:20
1,2-Dichloropropane	ND	U	0.163	1.00	ug/L	1	07/27/2012 18:20
1,3,5-Trimethylbenzene	ND	U	0.113	1.00	ug/L	1	07/27/2012 18:20
1,3-Dichlorobenzene	ND	U	0.103	1.00	ug/L	1	07/27/2012 18:20
1,3-Dichloropropane	ND	U	0.130	1.00	ug/L	1	07/27/2012 18:20
1,4-Dichlorobenzene	ND	U	0.130	1.00	ug/L	1	07/27/2012 18:20
2,2-Dichloropropane	ND	U	0.393	1.00	ug/L	1	07/27/2012 18:20
2-Butanone	ND	U	0.723	25.0	ug/L	1	07/27/2012 18:20
2-Chlorotoluene	ND	U	0.113	1.00	ug/L	1	07/27/2012 18:20
2-Hexanone	ND	U	0.728	5.00	ug/L	1	07/27/2012 18:20
4-Chlorotoluene	ND	U	0.125	1.00	ug/L	1	07/27/2012 18:20
4-Isopropyltoluene	ND	U	0.0769	1.00	ug/L	1	07/27/2012 18:20
4-Methyl-2-pentanone	ND	U	0.558	5.00	ug/L	1	07/27/2012 18:20
Acetone	10.8	J	0.864	25.0	ug/L	1	07/27/2012 18:20
Benzene	0.140	J	0.113	1.00	ug/L	1	07/27/2012 18:20
Bromobenzene	ND	U	0.110	1.00	ug/L	1	07/27/2012 18:20
Bromochloromethane	ND	U	0.211	1.00	ug/L	1	07/27/2012 18:20
Bromodichloromethane	ND	U	0.110	1.00	ug/L	1	07/27/2012 18:20
Bromoform	ND	U	0.0974	1.00	ug/L	1	07/27/2012 18:20
Bromomethane	ND	U	0.237	1.00	ug/L	1	07/27/2012 18:20
n-Butylbenzene	ND	U	0.0769	1.00	ug/L	1	07/27/2012 18:20
Carbon disulfide	ND	U	0.106	1.00	ug/L	1	07/27/2012 18:20
Carbon tetrachloride	ND	U	0.101	1.00	ug/L	1	07/27/2012 18:20
Chlorobenzene	ND	U	0.116	1.00	ug/L	1	07/27/2012 18:20
Chloroethane	ND	U	0.311	1.00	ug/L	1	07/27/2012 18:20
Chloroform	ND	U	0.139	1.00	ug/L	1	07/27/2012 18:20
Chloromethane	ND	U	0.448	1.00	ug/L	1	07/27/2012 18:20
Dibromochloromethane	ND	U	0.134	1.00	ug/L	1	07/27/2012 18:20
Dibromomethane	ND	U	0.168	1.00	ug/L	1	07/27/2012 18:20
Dichlorodifluoromethane	ND	U	0.171	5.00	ug/L	1	07/27/2012 18:20

Results of 195DPT-01

Client Sample ID: 195DPT-01
 Client Project ID: NCDOT Parcel 195
 Lab Sample ID: 31202363002-A
 Lab Project ID: 31202363

Collection Date: 07/26/2012 12:30
 Received Date: 07/26/2012 16:42
 Matrix: Water

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	0.0767	1.00	ug/L	1	07/27/2012 18:20
trans-1,3-Dichloropropene	ND	U	0.0862	1.00	ug/L	1	07/27/2012 18:20
Diisopropyl Ether	ND	U	0.294	1.00	ug/L	1	07/27/2012 18:20
Ethyl Benzene	0.220	J	0.0877	1.00	ug/L	1	07/27/2012 18:20
Hexachlorobutadiene	ND	U	0.0792	1.00	ug/L	1	07/27/2012 18:20
Isopropylbenzene (Cumene)	ND	U	0.0869	1.00	ug/L	1	07/27/2012 18:20
Methyl iodide	ND	U	0.115	1.00	ug/L	1	07/27/2012 18:20
Methylene chloride	ND	U	0.152	5.00	ug/L	1	07/27/2012 18:20
Naphthalene	ND	U	0.0855	1.00	ug/L	1	07/27/2012 18:20
Styrene	ND	U	0.102	1.00	ug/L	1	07/27/2012 18:20
Tetrachloroethene	ND	U	0.155	1.00	ug/L	1	07/27/2012 18:20
Toluene	0.740	J	0.133	1.00	ug/L	1	07/27/2012 18:20
Trichloroethene	ND	U	0.125	1.00	ug/L	1	07/27/2012 18:20
Trichlorofluoromethane	ND	U	0.137	1.00	ug/L	1	07/27/2012 18:20
Vinyl chloride	ND	U	0.124	1.00	ug/L	1	07/27/2012 18:20
Xylene (total)	0.790	J	0.182	2.00	ug/L	1	07/27/2012 18:20
cis-1,2-Dichloroethene	ND	U	0.136	1.00	ug/L	1	07/27/2012 18:20
m,p-Xylene	0.550	J	0.182	2.00	ug/L	1	07/27/2012 18:20
n-Propylbenzene	ND	U	0.113	1.00	ug/L	1	07/27/2012 18:20
o-Xylene	0.240	J	0.0874	1.00	ug/L	1	07/27/2012 18:20
sec-Butylbenzene	ND	U	0.112	1.00	ug/L	1	07/27/2012 18:20
tert-Butyl methyl ether (MTBE)	ND	U	0.144	1.00	ug/L	1	07/27/2012 18:20
tert-Butylbenzene	ND	U	0.0855	1.00	ug/L	1	07/27/2012 18:20
trans-1,2-Dichloroethene	ND	U	0.223	1.00	ug/L	1	07/27/2012 18:20
trans-1,4-Dichloro-2-butene	ND	U	0.414	5.00	ug/L	1	07/27/2012 18:20

Surrogates

1,2-Dichloroethane-d4	85.0			64.0-140	%	1	07/27/2012 18:20
4-Bromofluorobenzene	98.0			85.0-115	%	1	07/27/2012 18:20
Toluene d8	97.0			82.0-117	%	1	07/27/2012 18:20

Batch Information

Analytical Batch: VMS2417
 Analytical Method: SW-846 8260B
 Instrument: MSD8
 Analyst: DVO
 Analytical Date/Time: 07/27/2012 18:20

Prep Batch: VXX3716
 Prep Method: SW-846 5030B
 Prep Date/Time: 07/27/2012 08:00
 Prep Initial Wt./Vol.: 40 mL
 Prep Extract Vol: 40 mL

Results of Trip Blanks (Not on COC)

Client Sample ID: Trip Blanks (Not on COC)
 Client Project ID: NCDOT Parcel 195
 Lab Sample ID: 31202363003-A
 Lab Project ID: 31202363

Collection Date: 07/26/2012 00:00
 Received Date: 07/26/2012 16:42
 Matrix: Water

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.104	1.00	ug/L	1	07/27/2012 13:18
1,1,1-Trichloroethane	ND	U	0.123	1.00	ug/L	1	07/27/2012 13:18
1,1,2,2-Tetrachloroethane	ND	U	0.156	1.00	ug/L	1	07/27/2012 13:18
1,1,2-Trichloroethane	ND	U	0.126	1.00	ug/L	1	07/27/2012 13:18
1,1-Dichloroethane	ND	U	0.165	1.00	ug/L	1	07/27/2012 13:18
1,1-Dichloroethene	ND	U	0.212	1.00	ug/L	1	07/27/2012 13:18
1,1-Dichloropropene	ND	U	0.0863	1.00	ug/L	1	07/27/2012 13:18
1,2,3-Trichlorobenzene	ND	U	0.110	1.00	ug/L	1	07/27/2012 13:18
1,2,3-Trichloropropane	ND	U	0.212	1.00	ug/L	1	07/27/2012 13:18
1,2,4-Trichlorobenzene	ND	U	0.0913	1.00	ug/L	1	07/27/2012 13:18
1,2,4-Trimethylbenzene	ND	U	0.0961	1.00	ug/L	1	07/27/2012 13:18
1,2-Dibromo-3-chloropropane	ND	U	0.748	5.00	ug/L	1	07/27/2012 13:18
1,2-Dibromoethane	ND	U	0.120	1.00	ug/L	1	07/27/2012 13:18
1,2-Dichlorobenzene	ND	U	0.137	1.00	ug/L	1	07/27/2012 13:18
1,2-Dichloroethane	ND	U	0.167	1.00	ug/L	1	07/27/2012 13:18
1,2-Dichloropropane	ND	U	0.163	1.00	ug/L	1	07/27/2012 13:18
1,3,5-Trimethylbenzene	ND	U	0.113	1.00	ug/L	1	07/27/2012 13:18
1,3-Dichlorobenzene	ND	U	0.103	1.00	ug/L	1	07/27/2012 13:18
1,3-Dichloropropane	ND	U	0.130	1.00	ug/L	1	07/27/2012 13:18
1,4-Dichlorobenzene	ND	U	0.130	1.00	ug/L	1	07/27/2012 13:18
2,2-Dichloropropane	ND	U	0.393	1.00	ug/L	1	07/27/2012 13:18
2-Butanone	ND	U	0.723	25.0	ug/L	1	07/27/2012 13:18
2-Chlorotoluene	ND	U	0.113	1.00	ug/L	1	07/27/2012 13:18
2-Hexanone	ND	U	0.728	5.00	ug/L	1	07/27/2012 13:18
4-Chlorotoluene	ND	U	0.125	1.00	ug/L	1	07/27/2012 13:18
4-Isopropyltoluene	ND	U	0.0769	1.00	ug/L	1	07/27/2012 13:18
4-Methyl-2-pentanone	ND	U	0.558	5.00	ug/L	1	07/27/2012 13:18
Acetone	ND	U	0.864	25.0	ug/L	1	07/27/2012 13:18
Benzene	ND	U	0.113	1.00	ug/L	1	07/27/2012 13:18
Bromobenzene	ND	U	0.110	1.00	ug/L	1	07/27/2012 13:18
Bromochloromethane	ND	U	0.211	1.00	ug/L	1	07/27/2012 13:18
Bromodichloromethane	ND	U	0.110	1.00	ug/L	1	07/27/2012 13:18
Bromoform	ND	U	0.0974	1.00	ug/L	1	07/27/2012 13:18
Bromomethane	ND	U	0.237	1.00	ug/L	1	07/27/2012 13:18
n-Butylbenzene	ND	U	0.0769	1.00	ug/L	1	07/27/2012 13:18
Carbon disulfide	ND	U	0.106	1.00	ug/L	1	07/27/2012 13:18
Carbon tetrachloride	ND	U	0.101	1.00	ug/L	1	07/27/2012 13:18
Chlorobenzene	ND	U	0.116	1.00	ug/L	1	07/27/2012 13:18
Chloroethane	ND	U	0.311	1.00	ug/L	1	07/27/2012 13:18
Chloroform	ND	U	0.139	1.00	ug/L	1	07/27/2012 13:18
Chloromethane	ND	U	0.448	1.00	ug/L	1	07/27/2012 13:18
Dibromochloromethane	ND	U	0.134	1.00	ug/L	1	07/27/2012 13:18
Dibromomethane	ND	U	0.168	1.00	ug/L	1	07/27/2012 13:18
Dichlorodifluoromethane	ND	U	0.171	5.00	ug/L	1	07/27/2012 13:18

Results of Trip Blanks (Not on COC)

Client Sample ID: **Trip Blanks (Not on COC)**
 Client Project ID: **NCDOT Parcel 195**
 Lab Sample ID: 31202363003-A
 Lab Project ID: 31202363

Collection Date: 07/26/2012 00:00
 Received Date: 07/26/2012 16:42
 Matrix: Water

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	0.0767	1.00	ug/L	1	07/27/2012 13:18
trans-1,3-Dichloropropene	ND	U	0.0862	1.00	ug/L	1	07/27/2012 13:18
Diisopropyl Ether	ND	U	0.294	1.00	ug/L	1	07/27/2012 13:18
Ethyl Benzene	ND	U	0.0877	1.00	ug/L	1	07/27/2012 13:18
Hexachlorobutadiene	ND	U	0.0792	1.00	ug/L	1	07/27/2012 13:18
Isopropylbenzene (Cumene)	ND	U	0.0869	1.00	ug/L	1	07/27/2012 13:18
Methyl iodide	ND	U	0.115	1.00	ug/L	1	07/27/2012 13:18
Methylene chloride	0.590	J	0.152	5.00	ug/L	1	07/27/2012 13:18
Naphthalene	ND	U	0.0855	1.00	ug/L	1	07/27/2012 13:18
Styrene	ND	U	0.102	1.00	ug/L	1	07/27/2012 13:18
Tetrachloroethene	ND	U	0.155	1.00	ug/L	1	07/27/2012 13:18
Toluene	ND	U	0.133	1.00	ug/L	1	07/27/2012 13:18
Trichloroethene	ND	U	0.125	1.00	ug/L	1	07/27/2012 13:18
Trichlorofluoromethane	ND	U	0.137	1.00	ug/L	1	07/27/2012 13:18
Vinyl chloride	ND	U	0.124	1.00	ug/L	1	07/27/2012 13:18
Xylene (total)	ND	U	0.182	2.00	ug/L	1	07/27/2012 13:18
cis-1,2-Dichloroethene	ND	U	0.136	1.00	ug/L	1	07/27/2012 13:18
m,p-Xylene	ND	U	0.182	2.00	ug/L	1	07/27/2012 13:18
n-Propylbenzene	ND	U	0.113	1.00	ug/L	1	07/27/2012 13:18
o-Xylene	ND	U	0.0874	1.00	ug/L	1	07/27/2012 13:18
sec-Butylbenzene	ND	U	0.112	1.00	ug/L	1	07/27/2012 13:18
tert-Butyl methyl ether (MTBE)	ND	U	0.144	1.00	ug/L	1	07/27/2012 13:18
tert-Butylbenzene	ND	U	0.0855	1.00	ug/L	1	07/27/2012 13:18
trans-1,2-Dichloroethene	ND	U	0.223	1.00	ug/L	1	07/27/2012 13:18
trans-1,4-Dichloro-2-butene	ND	U	0.414	5.00	ug/L	1	07/27/2012 13:18

Surrogates

1,2-Dichloroethane-d4	99.0			64.0-140	%	1	07/27/2012 13:18
4-Bromofluorobenzene	100			85.0-115	%	1	07/27/2012 13:18
Toluene d8	96.0			82.0-117	%	1	07/27/2012 13:18

Batch Information

Analytical Batch: VMS2417
 Analytical Method: SW-846 8260B
 Instrument: MSD8
 Analyst: DVO
 Analytical Date/Time: 07/27/2012 13:18

Prep Batch: VXX3716
 Prep Method: SW-846 5030B
 Prep Date/Time: 07/27/2012 08:00
 Prep Initial Wt./Vol.: 40 mL
 Prep Extract Vol: 40 mL

Batch Summary

Analytical Method: SW-846 8260B

Prep Method: SW-846 5030B

Prep Batch: VXX3716

Prep Date: 07/27/2012 10:08

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
LCS for HBN 26128 [VXX/3716]	82378	07/27/2012 11:12	VMS2417	MSD8	DVO
LCSD for HBN 26128 [VXX/3716]	82379	07/27/2012 11:37	VMS2417	MSD8	DVO
MB for HBN 26128 [VXX/3716]	82380	07/27/2012 12:27	VMS2417	MSD8	DVO
Trip Blanks (Not on COC)	31202363003	07/27/2012 13:18	VMS2417	MSD8	DVO
USTHPFF-MW17(81787MS)	82487	07/27/2012 14:59	VMS2417	MSD8	DVO
USTHPFF-MW17(81787MSD)	82488	07/27/2012 15:24	VMS2417	MSD8	DVO
195DPT-01	31202363002	07/27/2012 18:20	VMS2417	MSD8	DVO

Method Blank

Blank ID: MB for HBN 26128 [VXX/3716]

Matrix: Water

Blank Lab ID: 82380

QC for Samples:

31202363002, 31202363003

Results by SW-846 8260B

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Dichlorodifluoromethane	ND	U	0.171	5.00	ug/L	1
Chloromethane	ND	U	0.448	1.00	ug/L	1
Vinyl chloride	ND	U	0.124	1.00	ug/L	1
Bromomethane	ND	U	0.237	1.00	ug/L	1
Chloroethane	ND	U	0.311	1.00	ug/L	1
Trichlorofluoromethane	ND	U	0.137	1.00	ug/L	1
1,1-Dichloroethene	ND	U	0.212	1.00	ug/L	1
Acetone	ND	U	0.864	25.0	ug/L	1
Methylene chloride	ND	U	0.152	5.00	ug/L	1
trans-1,2-Dichloroethene	ND	U	0.223	1.00	ug/L	1
tert-Butyl methyl ether (MTBE)	ND	U	0.144	1.00	ug/L	1
1,1-Dichloroethane	ND	U	0.165	1.00	ug/L	1
Diisopropyl Ether	ND	U	0.294	1.00	ug/L	1
2,2-Dichloropropane	ND	U	0.393	1.00	ug/L	1
cis-1,2-Dichloroethene	ND	U	0.136	1.00	ug/L	1
2-Butanone	ND	U	0.723	25.0	ug/L	1
Bromochloromethane	ND	U	0.211	1.00	ug/L	1
Chloroform	ND	U	0.139	1.00	ug/L	1
1,1,1-Trichloroethane	ND	U	0.123	1.00	ug/L	1
Carbon tetrachloride	ND	U	0.101	1.00	ug/L	1
1,1-Dichloropropene	ND	U	0.0863	1.00	ug/L	1
Benzene	ND	U	0.113	1.00	ug/L	1
1,2-Dichloroethane	ND	U	0.167	1.00	ug/L	1
Trichloroethene	ND	U	0.125	1.00	ug/L	1
1,2-Dichloropropane	ND	U	0.163	1.00	ug/L	1
Dibromomethane	ND	U	0.168	1.00	ug/L	1
Bromodichloromethane	ND	U	0.110	1.00	ug/L	1
cis-1,3-Dichloropropene	ND	U	0.0767	1.00	ug/L	1
4-Methyl-2-pentanone	ND	U	0.558	5.00	ug/L	1
Toluene	ND	U	0.133	1.00	ug/L	1
Methyl iodide	ND	U	0.115	1.00	ug/L	1
trans-1,3-Dichloropropene	ND	U	0.0862	1.00	ug/L	1
Carbon disulfide	ND	U	0.106	1.00	ug/L	1
1,1,2-Trichloroethane	ND	U	0.126	1.00	ug/L	1
Tetrachloroethene	ND	U	0.155	1.00	ug/L	1
1,3-Dichloropropane	ND	U	0.130	1.00	ug/L	1
2-Hexanone	ND	U	0.728	5.00	ug/L	1
Dibromochloromethane	ND	U	0.134	1.00	ug/L	1
1,2-Dibromoethane	ND	U	0.120	1.00	ug/L	1
Chlorobenzene	ND	U	0.116	1.00	ug/L	1
1,1,1,2-Tetrachloroethane	ND	U	0.104	1.00	ug/L	1
Bromoform	ND	U	0.0974	1.00	ug/L	1

Method Blank

Blank ID: MB for HBN 26128 [VXX/3716]
 Blank Lab ID: 82380
 QC for Samples:
 31202363002, 31202363003

Matrix: Water

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromobenzene	ND	U	0.110	1.00	ug/L	1
1,1,2,2-Tetrachloroethane	ND	U	0.156	1.00	ug/L	1
1,2,3-Trichloropropane	ND	U	0.212	1.00	ug/L	1
Ethyl Benzene	ND	U	0.0877	1.00	ug/L	1
m,p-Xylene	ND	U	0.182	2.00	ug/L	1
Styrene	ND	U	0.102	1.00	ug/L	1
o-Xylene	ND	U	0.0874	1.00	ug/L	1
Xylene (total)	ND	U	0.182	2.00	ug/L	1
Isopropylbenzene (Cumene)	ND	U	0.0869	1.00	ug/L	1
n-Propylbenzene	ND	U	0.113	1.00	ug/L	1
2-Chlorotoluene	ND	U	0.113	1.00	ug/L	1
4-Chlorotoluene	ND	U	0.125	1.00	ug/L	1
1,3,5-Trimethylbenzene	ND	U	0.113	1.00	ug/L	1
tert-Butylbenzene	ND	U	0.0855	1.00	ug/L	1
1,2,4-Trimethylbenzene	ND	U	0.0961	1.00	ug/L	1
sec-Butylbenzene	ND	U	0.112	1.00	ug/L	1
1,3-Dichlorobenzene	ND	U	0.103	1.00	ug/L	1
4-Isopropyltoluene	ND	U	0.0769	1.00	ug/L	1
1,4-Dichlorobenzene	ND	U	0.130	1.00	ug/L	1
1,2-Dichlorobenzene	ND	U	0.137	1.00	ug/L	1
n-Butylbenzene	ND	U	0.0769	1.00	ug/L	1
1,2-Dibromo-3-chloropropane	ND	U	0.748	5.00	ug/L	1
1,2,4-Trichlorobenzene	ND	U	0.0913	1.00	ug/L	1
Hexachlorobutadiene	ND	U	0.0792	1.00	ug/L	1
Naphthalene	ND	U	0.0855	1.00	ug/L	1
trans-1,4-Dichloro-2-butene	ND	U	0.414	5.00	ug/L	1
1,2,3-Trichlorobenzene	ND	U	0.110	1.00	ug/L	1
Surrogates						
1,2-Dichloroethane-d4	101			64.0-140	%	1
Toluene d8	100			82.0-117	%	1
4-Bromofluorobenzene	93.0			85.0-115	%	1

Batch Information

Analytical Batch: VMS2417
 Analytical Method: SW-846 8260B
 Instrument: MSD8
 Analyst: DVO
 Analytical Date/Time: 7/27/2012 12:27:00PM

Prep Batch: VXX3716
 Prep Method: SW-846 5030B
 Prep Date/Time: 7/27/2012 10:08:03AM
 Prep Initial Wt./Vol.: 40 mL
 Prep Extract Vol: 40 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 26128 [VXX/3716]
 Blank Spike Lab ID: 82378
 Date Analyzed: 07/27/2012 11:12

Spike Duplicate ID: LCSD for HBN 26128 [VXX/3716]
 Spike Duplicate Lab ID: 82379
 Date Analyzed: 07/27/2012 11:37
 Matrix: Water

QC for Samples: 31202363002, 31202363003

Results by SW-846 8260B

Parameter	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Dichlorodifluoromethane	5.00	5.54	111	5.00	4.85	97	33.0-170	13	30.00
Chloromethane	5.00	4.72	94	5.00	4.65	93	57.0-132	1.5	30.00
Vinyl chloride	5.00	5.20	104	5.00	4.65	93	59.0-138	11	30.00
Bromomethane	5.00	6.28	126	5.00	5.07	101	51.0-134	21	30.00
Chloroethane	5.00	5.47	109	5.00	4.76	95	64.0-145	14	30.00
Trichlorofluoromethane	5.00	5.11	102	5.00	4.57	91	64.0-133	11	30.00
1,1-Dichloroethene	5.00	6.78	136*	5.00	5.91	118	71.0-128	14	30.00
Acetone	25.0	31.2	125	25.0	30.7	123	52.0-140	1.6	30.00
Methylene chloride	5.00	5.25	105	5.00	5.04	101	70.0-113	4.1	30.00
trans-1,2-Dichloroethene	5.00	5.66	113	5.00	5.60	112	57.0-138	1.1	30.00
tert-Butyl methyl ether (MTBE)	5.00	5.60	112	5.00	5.13	103	47.0-142	8.8	30.00
1,1-Dichloroethane	5.00	5.87	117	5.00	5.28	106	68.0-133	11	30.00
Diisopropyl Ether	5.00	5.29	106	5.00	4.84	97	66.0-132	8.9	30.00
2,2-Dichloropropane	5.00	5.36	107	5.00	5.11	102	74.0-125	4.8	30.00
cis-1,2-Dichloroethene	5.00	5.76	115	5.00	5.79	116	73.0-128	0.52	30.00
2-Butanone	25.0	28.4	114	25.0	28.2	113	58.0-134	0.71	30.00
Bromochloromethane	5.00	6.08	122	5.00	5.83	117	73.0-128	4.2	30.00
Chloroform	5.00	5.89	118	5.00	5.44	109	74.0-124	7.9	30.00
1,1,1-Trichloroethane	5.00	5.66	113	5.00	5.11	102	76.0-119	10	30.00
Carbon tetrachloride	5.00	5.48	110	5.00	5.26	105	75.0-120	4.1	30.00
1,1-Dichloropropene	5.00	5.38	108	5.00	5.02	100	76.0-124	6.9	30.00
Benzene	5.00	5.46	109	5.00	5.10	102	76.0-124	6.8	30.00
1,2-Dichloroethane	5.00	5.93	119	5.00	5.06	101	76.0-119	16	30.00
Trichloroethene	5.00	5.29	106	5.00	5.25	105	74.0-121	0.76	30.00
1,2-Dichloropropane	5.00	5.46	109	5.00	4.66	93	74.0-124	16	30.00
Dibromomethane	5.00	5.73	115	5.00	4.98	100	71.0-128	14	30.00
Bromodichloromethane	5.00	5.44	109	5.00	4.99	100	72.0-120	8.6	30.00
cis-1,3-Dichloropropene	5.00	5.73	115	5.00	5.42	108	73.0-122	5.6	30.00
4-Methyl-2-pentanone	25.0	27.2	109	25.0	24.8	99	65.0-124	9.2	30.00
Toluene	5.00	5.59	112	5.00	5.25	105	75.0-123	6.3	30.00
Methyl iodide	5.00	5.15	103	5.00	4.80	96	55.0-123	7.0	30.00
trans-1,3-Dichloropropene	5.00	5.29	106	5.00	4.97	99	70.0-125	6.2	30.00
Carbon disulfide	5.00	5.68	114	5.00	5.24	105	65.0-132	8.1	30.00
1,1,2-Trichloroethane	5.00	5.18	104	5.00	5.12	102	76.0-121	1.2	30.00

Blank Spike Summary

Blank Spike ID: LCS for HBN 26128 [VXX/3716]
 Blank Spike Lab ID: 82378
 Date Analyzed: 07/27/2012 11:12

Spike Duplicate ID: LCSD for HBN 26128 [VXX/3716]
 Spike Duplicate Lab ID: 82379
 Date Analyzed: 07/27/2012 11:37
 Matrix: Water

QC for Samples: 31202363002, 31202363003

Results by SW-846 8260B

Parameter	Blank Spike (ug/L)			Spike Duplicate (ug/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Tetrachloroethene	5.00	5.06	101	5.00	5.24	105	59.0-112	3.5	30.00
1,3-Dichloropropane	5.00	5.10	102	5.00	4.84	97	74.0-120	5.2	30.00
2-Hexanone	25.0	25.8	103	25.0	23.8	95	56.0-133	8.1	30.00
Dibromochloromethane	5.00	4.95	99	5.00	4.86	97	67.0-122	1.8	30.00
1,2-Dibromoethane	5.00	5.68	114	5.00	5.08	102	74.0-119	11	30.00
Chlorobenzene	5.00	5.24	105	5.00	5.01	100	74.0-120	4.5	30.00
1,1,1,2-Tetrachloroethane	5.00	4.76	95	5.00	4.81	96	73.0-119	1.0	30.00
Bromoform	5.00	4.83	97	5.00	5.16	103	62.0-127	6.6	30.00
Bromobenzene	5.00	5.03	101	5.00	4.74	95	75.0-120	5.9	30.00
1,1,2,2-Tetrachloroethane	5.00	5.24	105	5.00	5.22	104	68.0-129	0.38	30.00
1,2,3-Trichloropropane	5.00	5.21	104	5.00	5.08	102	67.0-126	2.5	30.00
Ethyl Benzene	5.00	5.44	109	5.00	4.97	99	76.0-123	9.0	30.00
m,p-Xylene	10.0	10.9	109	10.0	9.60	96	76.0-124	13	30.00
Styrene	5.00	5.29	106	5.00	4.79	96	76.0-121	9.9	30.00
o-Xylene	5.00	5.48	110	5.00	5.03	101	75.0-124	8.6	30.00
Isopropylbenzene (Cumene)	5.00	5.51	110	5.00	5.02	100	77.0-120	9.3	30.00
n-Propylbenzene	5.00	5.65	113	5.00	5.10	102	77.0-123	10	30.00
2-Chlorotoluene	5.00	5.59	112	5.00	5.10	102	74.0-127	9.2	30.00
4-Chlorotoluene	5.00	5.94	119	5.00	5.14	103	77.0-123	14	30.00
1,3,5-Trimethylbenzene	5.00	5.45	109	5.00	4.81	96	76.0-122	12	30.00
tert-Butylbenzene	5.00	5.46	109	5.00	4.91	98	67.0-122	11	30.00
1,2,4-Trimethylbenzene	5.00	5.38	108	5.00	4.82	96	76.0-124	11	30.00
sec-Butylbenzene	5.00	5.36	107	5.00	4.92	98	78.0-121	8.6	30.00
1,3-Dichlorobenzene	5.00	5.70	114	5.00	5.01	100	75.0-120	13	30.00
4-Isopropyltoluene	5.00	5.34	107	5.00	4.80	96	77.0-120	11	30.00
1,4-Dichlorobenzene	5.00	5.39	108	5.00	5.15	103	70.0-125	4.6	30.00
1,2-Dichlorobenzene	5.00	4.95	99	5.00	5.00	100	76.0-118	1.0	30.00
n-Butylbenzene	5.00	5.17	103	5.00	5.01	100	78.0-118	3.1	30.00
1,2-Dibromo-3-chloropropane	30.0	33.1	110	30.0	28.4	95	62.0-130	15	30.00
1,2,4-Trichlorobenzene	5.00	4.39	88	5.00	4.16	83	72.0-119	5.4	30.00
Hexachlorobutadiene	5.00	5.19	104	5.00	4.07	81	69.0-121	24	30.00
Naphthalene	5.00	4.63	93	5.00	4.40	88	67.0-122	5.1	30.00
trans-1,4-Dichloro-2-butene	25.0	29.1	116	25.0	24.2	97	61.0-132	18	30.00
1,2,3-Trichlorobenzene	5.00	4.77	95	5.00	4.42	88	68.0-123	7.6	30.00

Blank Spike Summary

Blank Spike ID: LCS for HBN 26128 [VXX/3716]
 Blank Spike Lab ID: 82378
 Date Analyzed: 07/27/2012 11:12

Spike Duplicate ID: LCSD for HBN 26128 [VXX/3716]
 Spike Duplicate Lab ID: 82379
 Date Analyzed: 07/27/2012 11:37
 Matrix: Water

QC for Samples: 31202363002, 31202363003

Results by SW-846 8260B

Parameter	Blank Spike (%)			Spike Duplicate (%)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Surrogates									
1,2-Dichloroethane-d4			111			106	64.0-140		
Toluene d8			105			102	82.0-117		
4-Bromofluorobenzene			98			97	85.0-115		

Batch Information:

Analytical Batch: VMS2417
 Analytical Method: SW-846 8260B
 Instrument: MSD8
 Analyst: DVO

Prep Batch: VXX3716
 Prep Method: SW-846 5030B
 Prep Date/Time: 07/27/2012 10:08
 Spike Init Wt./Vol.: 40 mL Extract Vol: 40 mL
 Dupe Init Wt./Vol.: 40 mL Extract Vol: 40 mL

Batch Summary

Analytical Method: SW-846 8260B

Prep Method: SW-846 5035 SL

Prep Batch: VXX3717

Prep Date: 07/27/2012 10:10

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
LCS-S for HBN 26131 [VXX/3717]	82389	07/27/2012 11:20	VMS2418	MSD2	DVO
LCSD-S for HBN 26131 [VXX/3717]	82390	07/27/2012 11:44	VMS2418	MSD2	DVO
MB-S for HBN 26131 [VXX/3717]	82391	07/27/2012 12:31	VMS2418	MSD2	DVO
195DPT01 (5-5.5ft)	31202363001	07/27/2012 15:21	VMS2418	MSD2	DVO
107DPT-01 (4.5-5ft)(82319DUP)	82697	07/27/2012 17:13	VMS2418	MSD2	DVO
107DPT-02 (5-5.7ft)(82320MS)	82698	07/27/2012 17:37	VMS2418	MSD2	DVO

Method Blank

Blank ID: MB-S for HBN 26131 [VXX/3717]
 Blank Lab ID: 82391
 QC for Samples:
 31202363001

Matrix: Soil-Solid as dry weight

Results by SW-846 8260B

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Dichlorodifluoromethane	ND	U	0.727	5.00	ug/Kg	1
Chloromethane	ND	U	0.725	5.00	ug/Kg	1
Vinyl chloride	ND	U	0.736	5.00	ug/Kg	1
Bromomethane	ND	U	1.76	5.00	ug/Kg	1
Chloroethane	ND	U	0.460	5.00	ug/Kg	1
Trichlorofluoromethane	ND	U	0.754	5.00	ug/Kg	1
1,1-Dichloroethene	ND	U	0.903	5.00	ug/Kg	1
Acetone	ND	U	1.24	50.0	ug/Kg	1
Methylene chloride	0.930	J	0.698	20.0	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.861	5.00	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.852	5.00	ug/Kg	1
1,1-Dichloroethane	ND	U	0.863	5.00	ug/Kg	1
Diisopropyl Ether	ND	U	0.898	5.00	ug/Kg	1
2,2-Dichloropropane	ND	U	0.834	5.00	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.775	5.00	ug/Kg	1
2-Butanone	ND	U	1.56	25.0	ug/Kg	1
Bromochloromethane	ND	U	0.873	5.00	ug/Kg	1
Chloroform	ND	U	0.812	5.00	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.778	5.00	ug/Kg	1
Carbon tetrachloride	ND	U	0.870	5.00	ug/Kg	1
1,1-Dichloropropene	ND	U	0.922	5.00	ug/Kg	1
Benzene	ND	U	0.893	5.00	ug/Kg	1
1,2-Dichloroethane	ND	U	0.886	5.00	ug/Kg	1
Trichloroethene	ND	U	0.837	5.00	ug/Kg	1
1,2-Dichloropropane	ND	U	0.805	5.00	ug/Kg	1
Dibromomethane	ND	U	0.812	5.00	ug/Kg	1
Bromodichloromethane	ND	U	0.813	5.00	ug/Kg	1
cis-1,3-Dichloropropene	ND	U	0.861	5.00	ug/Kg	1
4-Methyl-2-pentanone	ND	U	3.21	12.5	ug/Kg	1
Toluene	ND	U	0.810	5.00	ug/Kg	1
Methyl iodide	ND	U	0.846	5.00	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	0.896	5.00	ug/Kg	1
Carbon disulfide	ND	U	0.864	5.00	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.04	5.00	ug/Kg	1
Tetrachloroethene	ND	U	0.752	5.00	ug/Kg	1
1,3-Dichloropropane	ND	U	0.806	5.00	ug/Kg	1
2-Hexanone	ND	U	1.95	12.5	ug/Kg	1
Dibromochloromethane	ND	U	0.847	5.00	ug/Kg	1
1,2-Dibromoethane	ND	U	0.758	5.00	ug/Kg	1
Chlorobenzene	ND	U	0.774	5.00	ug/Kg	1
1,1,1,2-Tetrachloroethane	ND	U	1.06	5.00	ug/Kg	1
Bromoform	ND	U	0.669	5.00	ug/Kg	1

Method Blank

Blank ID: MB-S for HBN 26131 [VXX/3717]
 Blank Lab ID: 82391
 QC for Samples:
 31202363001

Matrix: Soil-Solid as dry weight

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromobenzene	ND	U	0.986	5.00	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.13	5.00	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.11	5.00	ug/Kg	1
Ethyl Benzene	ND	U	0.827	5.00	ug/Kg	1
m,p-Xylene	ND	U	1.77	10.0	ug/Kg	1
Styrene	ND	U	0.986	5.00	ug/Kg	1
o-Xylene	ND	U	1.01	5.00	ug/Kg	1
Xylene (total)	ND	U	1.77	10.0	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	0.963	5.00	ug/Kg	1
n-Propylbenzene	ND	U	0.975	5.00	ug/Kg	1
2-Chlorotoluene	ND	U	1.12	5.00	ug/Kg	1
4-Chlorotoluene	ND	U	1.11	5.00	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	0.984	5.00	ug/Kg	1
tert-Butylbenzene	ND	U	0.906	5.00	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.07	5.00	ug/Kg	1
sec-Butylbenzene	ND	U	1.04	5.00	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.16	5.00	ug/Kg	1
4-Isopropyltoluene	ND	U	1.04	5.00	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.10	5.00	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.29	5.00	ug/Kg	1
n-Butylbenzene	ND	U	1.08	5.00	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	5.81	30.0	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.19	5.00	ug/Kg	1
Hexachlorobutadiene	ND	U	1.37	5.00	ug/Kg	1
Naphthalene	ND	U	1.21	5.00	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	5.41	25.0	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.39	5.00	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	100			55.0-173	%	1
Toluene d8	101			57.0-134	%	1
4-Bromofluorobenzene	102			23.0-141	%	1

Batch Information

Analytical Batch: VMS2418
 Analytical Method: SW-846 8260B
 Instrument: MSD2
 Analyst: DVO
 Analytical Date/Time: 7/27/2012 12:31:00PM

Prep Batch: VXX3717
 Prep Method: SW-846 5035 SL
 Prep Date/Time: 7/27/2012 10:10:34AM
 Prep Initial Wt./Vol.: 5 g
 Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS-S for HBN 26131 [VXX/3717]

Blank Spike Lab ID: 82389

Date Analyzed: 07/27/2012 11:20

Spike Duplicate ID: LCSD-S for HBN 26131

[VXX/3717]

Spike Duplicate Lab ID: 82390

Matrix: Soil-Solid as dry weight

QC for Samples: 31202363001

Results by SW-846 8260B

Parameter	Blank Spike (ug/Kg)			Spike Duplicate (ug/Kg)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Dichlorodifluoromethane	30.0	25.0	83	30.0	24.0	80	52.0-133	4.1	30.00
Chloromethane	30.0	27.8	93	30.0	25.9	86	64.0-126	7.1	30.00
Vinyl chloride	30.0	28.2	94	30.0	26.2	87	69.0-120	7.4	30.00
Bromomethane	30.0	28.8	96	30.0	27.1	90	41.0-160	6.1	30.00
Chloroethane	30.0	30.4	101	30.0	27.4	91	69.0-126	10	30.00
Trichlorofluoromethane	30.0	28.5	95	30.0	26.3	88	72.0-123	8.0	30.00
1,1-Dichloroethene	30.0	31.8	106	30.0	28.9	96	78.0-113	9.6	30.00
Acetone	75.0	86.5	115	75.0	92.6	123	0.00-243	6.8	30.00
Methylene chloride	30.0	27.9	93	30.0	24.6	82	40.0-156	13	30.00
trans-1,2-Dichloroethene	30.0	29.1	97	30.0	29.1	97	78.0-111	0.0	30.00
tert-Butyl methyl ether (MTBE)	30.0	28.4	95	30.0	28.7	96	68.0-138	1.1	30.00
1,1-Dichloroethane	30.0	28.6	95	30.0	28.5	95	71.0-121	0.35	30.00
Diisopropyl Ether	30.0	28.4	95	30.0	28.7	96	60.0-141	1.1	30.00
2,2-Dichloropropane	30.0	29.2	97	30.0	28.5	95	79.0-127	2.4	30.00
cis-1,2-Dichloroethene	30.0	28.7	96	30.0	29.6	99	80.0-114	3.1	30.00
2-Butanone	75.0	83.0	111	75.0	90.1	120	31.0-189	8.2	30.00
Bromochloromethane	30.0	30.5	102	30.0	32.3	108	81.0-115	5.7	30.00
Chloroform	30.0	27.4	91	30.0	28.4	95	76.0-114	3.6	30.00
1,1,1-Trichloroethane	30.0	27.6	92	30.0	27.4	91	79.0-117	0.73	30.00
Carbon tetrachloride	30.0	28.4	95	30.0	28.1	94	82.0-119	1.1	30.00
1,1-Dichloropropene	30.0	28.7	96	30.0	28.6	95	82.0-114	0.35	30.00
Benzene	30.0	28.4	95	30.0	28.9	96	82.0-113	1.7	30.00
1,2-Dichloroethane	30.0	28.1	94	30.0	29.1	97	72.0-126	3.5	30.00
Trichloroethene	30.0	28.5	95	30.0	29.0	97	82.0-108	1.7	30.00
1,2-Dichloropropane	30.0	28.5	95	30.0	29.2	97	78.0-116	2.4	30.00
Dibromomethane	30.0	30.9	103	30.0	30.8	103	79.0-125	0.32	30.00
Bromodichloromethane	30.0	27.9	93	30.0	27.8	93	79.0-122	0.36	30.00
cis-1,3-Dichloropropene	30.0	30.6	102	30.0	30.4	101	75.0-127	0.66	30.00
4-Methyl-2-pentanone	75.0	84.0	112	75.0	87.9	117	57.0-159	4.5	30.00
Toluene	30.0	29.7	99	30.0	29.9	100	83.0-111	0.67	30.00
Methyl iodide	30.0	29.0	97	30.0	29.7	99	63.0-137	2.4	30.00
trans-1,3-Dichloropropene	30.0	30.2	101	30.0	30.3	101	75.0-134	0.33	30.00
Carbon disulfide	30.0	26.2	87	30.0	26.6	89	72.0-116	1.5	30.00
1,1,2-Trichloroethane	30.0	31.5	105	30.0	31.6	105	73.0-121	0.32	30.00

Blank Spike Summary

Blank Spike ID: LCS-S for HBN 26131 [VXX/3717]
 Blank Spike Lab ID: 82389
 Date Analyzed: 07/27/2012 11:20

Spike Duplicate ID: LCSD-S for HBN 26131
 [VXX/3717]
 Spike Duplicate Lab ID: 82390
 Matrix: Soil-Solid as dry weight

QC for Samples: 31202363001

Results by SW-846 8260B

Parameter	Blank Spike (ug/Kg)			Spike Duplicate (ug/Kg)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Tetrachloroethene	30.0	28.9	96	30.0	29.5	98	60.0-118	2.1	30.00
1,3-Dichloropropane	30.0	30.7	102	30.0	30.8	103	76.0-121	0.33	30.00
2-Hexanone	75.0	86.4	115	75.0	93.0	124	41.0-171	7.4	30.00
Dibromochloromethane	30.0	29.8	99	30.0	31.2	104	77.0-126	4.6	30.00
1,2-Dibromoethane	30.0	30.2	101	30.0	32.8	109	76.0-125	8.3	30.00
Chlorobenzene	30.0	29.6	99	30.0	30.2	101	78.0-109	2.0	30.00
1,1,1,2-Tetrachloroethane	30.0	28.4	95	30.0	29.6	99	81.0-117	4.1	30.00
Bromoform	30.0	31.6	105	30.0	33.9	113	72.0-134	7.0	30.00
Bromobenzene	30.0	28.8	96	30.0	28.9	96	76.0-113	0.35	30.00
1,1,2,2-Tetrachloroethane	30.0	31.4	105	30.0	33.6	112	76.0-129	6.8	30.00
1,2,3-Trichloropropane	30.0	32.2	107	30.0	34.1	114	70.0-145	5.7	30.00
Ethyl Benzene	30.0	29.0	97	30.0	28.8	96	72.0-115	0.69	30.00
m,p-Xylene	60.0	58.2	97	60.0	57.8	96	73.0-114	0.69	30.00
Styrene	30.0	28.9	96	30.0	28.6	95	74.0-114	1.0	30.00
o-Xylene	30.0	29.3	98	30.0	28.8	96	74.0-113	1.7	30.00
Isopropylbenzene (Cumene)	30.0	29.3	98	30.0	28.8	96	72.0-115	1.7	30.00
n-Propylbenzene	30.0	30.1	100	30.0	29.7	99	71.0-117	1.3	30.00
2-Chlorotoluene	30.0	30.3	101	30.0	29.4	98	76.0-111	3.0	30.00
4-Chlorotoluene	30.0	28.8	96	30.0	28.7	96	75.0-113	0.35	30.00
1,3,5-Trimethylbenzene	30.0	29.4	98	30.0	28.9	96	72.0-115	1.7	30.00
tert-Butylbenzene	30.0	29.0	97	30.0	28.7	96	74.0-112	1.0	30.00
1,2,4-Trimethylbenzene	30.0	29.6	99	30.0	29.1	97	73.0-114	1.7	30.00
sec-Butylbenzene	30.0	28.9	96	30.0	28.4	95	72.0-115	1.7	30.00
1,3-Dichlorobenzene	30.0	29.4	98	30.0	29.8	99	75.0-110	1.4	30.00
4-Isopropyltoluene	30.0	29.2	97	30.0	28.7	96	73.0-114	1.7	30.00
1,4-Dichlorobenzene	30.0	29.4	98	30.0	29.7	99	76.0-110	1.0	30.00
1,2-Dichlorobenzene	30.0	29.6	99	30.0	29.7	99	77.0-109	0.34	30.00
n-Butylbenzene	30.0	29.4	98	30.0	29.4	98	72.0-118	0.0	30.00
1,2-Dibromo-3-chloropropane	180	206	114	180	223	124	54.0-166	7.9	30.00
1,2,4-Trichlorobenzene	30.0	27.9	93	30.0	28.4	95	76.0-115	1.8	30.00
Hexachlorobutadiene	30.0	27.5	92	30.0	26.8	89	70.0-111	2.6	30.00
Naphthalene	30.0	32.2	107	30.0	32.9	110	71.0-129	2.2	30.00
trans-1,4-Dichloro-2-butene	150	159	106	150	164	109	62.0-164	3.1	30.00
1,2,3-Trichlorobenzene	30.0	30.0	100	30.0	29.9	100	78.0-115	0.33	30.00

Blank Spike Summary

Blank Spike ID: LCS-S for HBN 26131 [VXX/3717]
 Blank Spike Lab ID: 82389
 Date Analyzed: 07/27/2012 11:20

Spike Duplicate ID: LCSD-S for HBN 26131 [VXX/3717]
 Spike Duplicate Lab ID: 82390
 Matrix: Soil-Solid as dry weight

QC for Samples: 31202363001

Results by SW-846 8260B

Parameter	Blank Spike (%)			Spike Duplicate (%)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
Surrogates									
1,2-Dichloroethane-d4			101			102	55.0-173		
Toluene d8			99			100	57.0-134		
4-Bromofluorobenzene			102			103	23.0-141		

Batch Information

Analytical Batch: VMS2418
 Analytical Method: SW-846 8260B
 Instrument: MSD2
 Analyst: DVO

Prep Batch: VXX3717
 Prep Method: SW-846 5035 SL
 Prep Date/Time: 07/27/2012 10:10
 Spike Init Wt./Vol.: 5 g Extract Vol: 5 mL
 Dupe Init Wt./Vol.: 5 g Extract Vol: 5 mL

Batch Summary

Analytical Method: SW-846 8270D

Prep Method: SW-846 3541

Prep Batch: XXX2863

Prep Date: 07/27/2012 10:01

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
MB for HBN 26126 [XXX/2863]	82374	07/30/2012 15:09	XMS1614	MSD10	CMP
LCS for HBN 26126 [XXX/2863]	82375	07/30/2012 15:55	XMS1614	MSD10	CMP
107DPT-01 (4.5-5ft)(82319MS)	82376	07/30/2012 17:27	XMS1614	MSD10	CMP
107DPT-01 (4.5-5ft)(82319MSD)	82377	07/30/2012 17:50	XMS1614	MSD10	CMP
195DPT01 (5-5.5ft)	31202363001	07/30/2012 19:21	XMS1614	MSD10	CMP

Method Blank

Blank ID: MB for HBN 26126 [XXX/2863]
 Blank Lab ID: 82374
 QC for Samples:
 31202363001

Matrix: Soil-Solid as dry weight

Results by SW-846 8270D

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Phenol	ND	U	29.2	313	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	29.2	313	ug/Kg	1
2-Chlorophenol	ND	U	16.6	313	ug/Kg	1
1,3-Dichlorobenzene	ND	U	21.1	313	ug/Kg	1
1,4-Dichlorobenzene	ND	U	22.1	313	ug/Kg	1
1,2-Dichlorobenzene	ND	U	15.6	313	ug/Kg	1
2-Methylphenol	ND	U	17.3	313	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	20.3	313	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	27.3	313	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	89.6	313	ug/Kg	1
Hexachloroethane	ND	U	18.0	313	ug/Kg	1
Nitrobenzene	ND	U	18.0	313	ug/Kg	1
Isophorone	ND	U	14.2	313	ug/Kg	1
2-Nitrophenol	ND	U	15.0	313	ug/Kg	1
2,4-Dimethylphenol	ND	U	22.9	313	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	14.1	313	ug/Kg	1
2,4-Dichlorophenol	ND	U	18.1	313	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	27.6	313	ug/Kg	1
Naphthalene	ND	U	27.0	313	ug/Kg	1
4-Chloroaniline	ND	U	25.0	313	ug/Kg	1
Hexachlorobutadiene	ND	U	18.7	313	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	15.6	313	ug/Kg	1
2-Methylnaphthalene	ND	U	25.3	313	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	94.7	313	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	20.9	313	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	21.2	313	ug/Kg	1
2-Chloronaphthalene	ND	U	18.4	313	ug/Kg	1
2-Nitroaniline	ND	U	20.6	313	ug/Kg	1
3-Nitroaniline	ND	U	14.1	313	ug/Kg	1
Dimethyl phthalate	ND	U	24.0	313	ug/Kg	1
2,6-Dinitrotoluene	ND	U	22.4	313	ug/Kg	1
Acenaphthene	ND	U	14.2	313	ug/Kg	1
2,4-Dinitrophenol	ND	U	29.0	625	ug/Kg	1
4-Nitrophenol	ND	U	30.8	313	ug/Kg	1
Dibenzofuran	ND	U	24.5	313	ug/Kg	1
2,4-Dinitrotoluene	ND	U	15.8	313	ug/Kg	1
Fluorene	ND	U	16.6	313	ug/Kg	1
Diethyl phthalate	ND	U	16.9	313	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	33.4	313	ug/Kg	1
4-Nitroaniline	ND	U	18.0	313	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	14.7	313	ug/Kg	1
Diphenylamine	ND	U	14.1	313	ug/Kg	1

Method Blank

Blank ID: MB for HBN 26126 [XXX/2863]
 Blank Lab ID: 82374
 QC for Samples:
 31202363001

Matrix: Soil-Solid as dry weight

Results by SW-846 8270D

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
4-Bromophenyl phenyl ether	ND	U	20.6	313	ug/Kg	1
Hexachlorobenzene	ND	U	29.6	313	ug/Kg	1
Pentachlorophenol	ND	U	25.0	313	ug/Kg	1
Phenanthrene	ND	U	20.6	313	ug/Kg	1
Anthracene	ND	U	13.9	313	ug/Kg	1
Di-n-butyl phthalate	ND	U	14.8	313	ug/Kg	1
Fluoranthene	ND	U	29.4	313	ug/Kg	1
Pyrene	ND	U	13.2	313	ug/Kg	1
Butyl benzyl phthalate	ND	U	27.2	313	ug/Kg	1
Benzo(a)anthracene	ND	U	17.2	313	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	15.0	313	ug/Kg	1
Chrysene	ND	U	36.4	313	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	15.0	313	ug/Kg	1
Di-n-octyl phthalate	ND	U	17.3	313	ug/Kg	1
Benzo(b)fluoranthene	ND	U	18.0	313	ug/Kg	1
Benzo(k)fluoranthene	ND	U	37.5	313	ug/Kg	1
Benzo(a)pyrene	ND	U	17.7	313	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	24.4	313	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	14.1	313	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	49.8	313	ug/Kg	1
Benzoic acid	ND	U	6.94	313	ug/Kg	1
Acenaphthylene	ND	U	13.2	313	ug/Kg	1
Surrogates						
2-Fluorophenol	62.0			42.0-123	%	1
Phenol-d6	74.0			48.0-125	%	1
Nitrobenzene-d5	73.0			46.0-117	%	1
2-Fluorobiphenyl	83.0			48.0-123	%	1
2,4,6-Tribromophenol	90.0			41.0-129	%	1
Terphenyl-d14	113			44.0-140	%	1

Batch Information

Analytical Batch: XMS1614
 Analytical Method: SW-846 8270D
 Instrument: MSD10
 Analyst: CMP
 Analytical Date/Time: 7/30/2012 3:09:00PM

Prep Batch: XXX2863
 Prep Method: SW-846 3541
 Prep Date/Time: 7/27/2012 10:01:47AM
 Prep Initial Wt./Vol.: 32 g
 Prep Extract Vol: 10 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 26126 [XXX/2863]

Blank Spike Lab ID: 82375

Date Analyzed: 07/30/2012 15:55

Matrix: Soil-Solid as dry weight

QC for Samples: 31202363001

Results by SW-846 8270D

Parameter	Blank Spike (ug/Kg)			CL
	Spike	Result	Rec (%)	
Phenol	3130	2870	92	67.0-112
Bis(2-Chloroethyl)ether	3130	2690	86	63.0-116
2-Chlorophenol	3130	2850	91	67.0-109
1,3-Dichlorobenzene	3130	2770	89	66.0-109
1,4-Dichlorobenzene	3130	2790	89	65.0-112
1,2-Dichlorobenzene	3130	2820	90	67.0-110
2-Methylphenol	3130	2890	93	68.0-110
3 and/or 4-Methylphenol	6250	6020	96	66.0-113
Bis(2-Chloroisopropyl)ether	3130	2610	84	64.0-114
n-Nitrosodi-n-propylamine	3130	2720	87	66.0-111
Hexachloroethane	3130	2680	86	64.0-110
Nitrobenzene	3130	2770	88	69.0-112
Isophorone	3130	2990	96	69.0-108
2-Nitrophenol	3130	3060	98	65.0-117
2,4-Dimethylphenol	3130	2880	92	69.0-112
Bis(2-Chloroethoxy)methane	3130	2970	95	68.0-112
Benzoic acid	3130	1550	50	0.00-203
2,4-Dichlorophenol	3130	3080	99	67.0-118
1,2,4-Trichlorobenzene	3130	3030	97	65.0-114
Naphthalene	3130	3060	98	70.0-111
4-Chloroaniline	3130	2340	75	41.0-93.0
Hexachlorobutadiene	3130	2970	95	63.0-124
4-Chloro-3-methylphenol	3130	2990	96	70.0-114
2-Methylnaphthalene	3130	3080	98	69.0-110
Hexachlorocyclopentadiene	3130	3070	98	0.00-1080
2,4,5-Trichlorophenol	3130	3340	107	66.0-119
2,4,6-Trichlorophenol	3130	3250	104	67.0-119
2-Chloronaphthalene	3130	2810	90	57.0-96.0
2-Nitroaniline	3130	2380	76	61.0-100
3-Nitroaniline	3130	2520	81	48.0-103
Dimethyl phthalate	3130	2990	96	69.0-118
2,6-Dinitrotoluene	3130	3070	98	69.0-122
Acenaphthene	3130	3010	96	68.0-111
2,4-Dinitrophenol	3130	3070	98	12.0-125

Blank Spike Summary

Blank Spike ID: LCS for HBN 26126 [XXX/2863]
 Blank Spike Lab ID: 82375
 Date Analyzed: 07/30/2012 15:55

Matrix: Soil-Solid as dry weight

QC for Samples: 31202363001

Results by SW-846 8270D

Parameter	Blank Spike (ug/Kg)			CL
	Spike	Result	Rec (%)	
4-Nitrophenol	3130	2330	75	45.0-120
Dibenzofuran	3130	3080	98	71.0-114
2,4-Dinitrotoluene	3130	3140	101	68.0-123
Fluorene	3130	3020	97	66.0-116
Diethyl phthalate	3130	2990	96	68.0-114
4-Chlorophenyl phenyl ether	3130	3060	98	66.0-120
4-Nitroaniline	3130	2730	87	66.0-114
4,6-Dinitro-2-methylphenol	3130	4020	129*	24.0-123
Diphenylamine	3130	3340	107	60.0-118
4-Bromophenyl phenyl ether	3130	3420	110	63.0-118
Hexachlorobenzene	3130	3090	99	62.0-112
Pentachlorophenol	3130	4030	129*	34.0-125
Phenanthrene	3130	3450	110	60.0-122
Anthracene	3130	3440	110	63.0-113
Di-n-butyl phthalate	3130	3490	112	64.0-121
Fluoranthene	3130	3500	112	64.0-118
Pyrene	3130	3200	102	67.0-116
Butyl benzyl phthalate	3130	2900	93	68.0-118
Benzo(a)anthracene	3130	3150	101	65.0-118
3,3'-Dichlorobenzidine	3130	2720	87	54.0-118
Chrysene	3130	3200	102	66.0-118
Bis(2-Ethylhexyl)phthalate	3130	2900	93	67.0-123
Di-n-octyl phthalate	3130	3020	97	62.0-131
Benzo(b)fluoranthene	3130	2790	89	63.0-119
Benzo(k)fluoranthene	3130	3360	107	69.0-118
Benzo(a)pyrene	3130	3230	103	69.0-113
Indeno(1,2,3-cd)pyrene	3130	3310	106	64.0-123
Dibenz(a,h)anthracene	3130	3250	104	64.0-123
Benzo(g,h,i)perylene	3130	3390	108	57.0-128
Acenaphthylene	3130	3200	102	72.0-115
Surrogates				
2-Fluorophenol			78	42.0-123
Phenol-d6			93	48.0-125
Nitrobenzene-d5			89	46.0-117

Blank Spike Summary

Blank Spike ID: LCS for HBN 26126 [XXX/2863]
 Blank Spike Lab ID: 82375
 Date Analyzed: 07/30/2012 15:55

Matrix: Soil-Solid as dry weight

QC for Samples: 31202363001

Results by SW-846 8270D

Parameter	Blank Spike (%)		CL
	Spike	Result	
2-Fluorobiphenyl		98	48.0-123
2,4,6-Tribromophenol		119	41.0-129
Terphenyl-d14		98	44.0-140

Batch Information

Analytical Batch: XMS1614
 Analytical Method: SW-846 8270D
 Instrument: MSD10
 Analyst: CMP

Prep Batch: XXX2863
 Prep Method: SW-846 3541
 Prep Date/Time: 07/27/2012 10:01
 Spike Init Wt./Vol.: 32 g Extract Vol: 10 mL
 Dupe Init Wt./Vol.: Extract Vol:

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: NCDOT-Catlin

Work Order No.: 31202363

- | | | |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 1. | <input type="checkbox"/> Shipped
<input checked="" type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>0.8</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications | _____

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. | <input checked="" type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: _____

Inspected and Logged in by: JJ
Date: Fri-7/27/12 00:00

APPENDIX D
PHOTOGRAPHS

**PARCEL 195, WARD HOLDINGS, LLC
1002 EVANS STREET**



From Evans Street looking North, boring 195DPT-01 near proposed drainage.



From across Evans Street looking West.