PRELIMINARY SITE ASSESSMENT
FOR
PARCEL 087
FORMER BOBBY BOWDEN PROPERTY
921 DICKINSON AVENUE
GREENVILLE, NORTH CAROLINA 27834

STATE PROJECT: U-3315
WBS ELEMENT: 35781.1.2

PREPARED FOR:

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

JULY 25, 2014

PREPARED BY:

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CATLIN PROJECT NO. 213161

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 December 20, 2013 Request for Proposal (RFP) 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 087, Former Bobby Bowden property (vacant lot). The parcel/property is located at 921 Dickenson Avenue 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:

> *According to Sanborn Fire Insurance Maps, this site was formerly a grocery and gas station; a UST reportedly lies below the street in front of this site. A* (previous) *geophysical investigation* (conducted before demolition of the building) *appears to confirm that a UST lies in Dickenson Ave. in front of this parcel, which in turn suggests that the building operated as a gas station.*

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 087). A site investigation is requested before ROW acquisition and roadway construction.

The work scope as requested and proposed includes:

- Perform a PSA investigation for underground storage tanks (USTs) and contamination on the entire parcel upon demolition, including geophysics, soil sampling below the floor slab with emphasis on the location of the proposed drainage feature, and groundwater sampling.

- Provide a MicroStation file with the location of any UST(s) and soil contamination.
- Prepare a report including field activities, findings, and recommendations and submit in triplicate and electronically to the NCDOT GeoEnvironmental Section.

This report documents activities and findings at Parcel 087, Former Bobby Bowden property (vacant lot), 921 Dickinson Avenue, Greenville, North Carolina. The site vicinity is illustrated on Sheet 1. NCDOT Conventional Plan Sheet Symbols were utilized for the site map. The NCDOT Conventional Plan Sheet Symbols are illustrated on Sheet 2 and were utilized for the site map shown on Sheet 3.

2.0 METHODS

Approximate proposed boring locations were discussed with NCDOT personnel before final Workplan submittal. No cut sections were identified on the cross-section provided by NCDOT within the subject site along Alignment -Y- near Station 19.50. Per NCDOT request, borings (soil samples) were located near known or suspected UST systems and proposed drainage features (as indicated on NCDOT provided plan sheets). Accessible proposed drainage features at the site include drainage piping on the northern portion of the parcel near Dickinson Avenue.

North Carolina Department of Environment and Natural Resources (NCDENR) UST Section personnel were interviewed and the NCDENR UST database 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 at the site began on March 27, 2014 and concluded on March 28, 2014.

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.

Nine (9) soil boring/sample locations (87-HA-01 through 87-HA-09) were established across the site. Borings 87-HA-01 and 87-HA-08 were located along the proposed drainage pipe. Boring 87-HA-09 was located near the previously identified suspected UST (located under Dickinson Ave.). All boring/sample locations were within the proposed right-of-way and/or easement.

Soil boring coordinates were collected utilizing a Trimble® Global Positioning System (GPS) unit. A North Carolina certified well contractor advanced and properly abandoned all borings. CATLIN personnel gathered subsurface soil data at the site by boring advancement using a hand-auger.

Soil samples were collected for laboratory analysis at approximately one (1) foot below land surface (BLS) and four (4) feet BLS along the proposed drainage pipe (borings 87-HA-01 and 87-HA-08) and just below land surface at the other boring locations across the site. New disposable nitrile gloves were worn during sampling activities. Soils were collected directly from the hand auger bucket and packed directly into the appropriate laboratory provided glassware.

Depth to water (DTW) was established at one location (87-HA-01) following boring termination at 8.5 feet BLS and construction of a temporary one-inch Poly Vinyl Chloride (PVC) monitoring well. A groundwater sample was collected approximately 24 hours after well construction. Groundwater was pumped directly into the appropriate laboratory provided glassware utilizing new polypropylene tubing and a peristaltic pump. The well was then properly abandoned. A boring log, well construction record and well abandonment record are provided in Appendix B.

All samples were placed 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.

Final borehole and sample locations were surveyed utilizing a Trimble™ GPS survey instrument. Borehole locations and site features are illustrated on Sheet 3. Soil sample boreholes were abandoned to the surface using native soils.

2.2 LABORATORY TESTING

Soil and groundwater samples were submitted to Pace Analytical Services, Inc. for volatile and semi-volatile organics analysis per Environmental Protection Agency (EPA) Methods 8260 and 8270.

A total of 11 soil samples and one (1) groundwater sample were submitted for laboratory analysis. Laboratory quality assurance/control data and a copy of the chain of custody are provided with the analytical report in Appendix C.

2.3 CONTAMINATED SOIL VOLUME

Two (2) soil volume calculations are provided, the total contaminated soil volume across the site and the contaminated soil volume along the drainage feature(s). There were no other proposed utilities requiring excavation or a cut section identified at the site. The calculated contaminated soil volumes are generally based on one (1) discrete sample depth per boring. The total volume calculation assumes the contamination extends vertically from the surface to a clean sample depth (3.5 feet BLS at one location). Soil samples were not collected from below all soil samples that revealed contamination near the surface but it is assumed that soil contamination does not extend below 3.5 feet deep. The volume calculation for drainage feature installation assumes a vertical walled excavation two (2) feet wider than the pipe width to the depth of a clean soil sample. The extent of potentially impacted soil beyond the proposed ROW and/or easement and property line(s) is not considered for volume estimating purposes.

Sample results greater than the lowest Risk-Based Maximum Soil Contaminant Concentration (MSCC) or the lowest Inactive Hazardous Sites Branch (IHSB) Soil Remediation Goal (SRG) are considered contaminated. Contaminated soil volume is estimated from the midpoint distance between a “clean” sample location and contaminated sample location or to the property line or ROW/easement. As requested by NCDOT, the volume estimate will only include soils within parcel property limits, NCDOT ROW, and/or easement. The installation/construction contractor may be able to reduce the soil volume requiring disposal by screening soils during excavation.

3.0 RESULTS

<u>Geophysical Investigation</u>

A previous (2012) geophysical investigation before the building was demolished revealed a suspected UST under Dickinson Ave. in front of the

building. The recent geophysical investigation did not reveal any indications of USTs within the property. The complete report by Schnabel is included in Appendix A.

Soil

Brick debris and rubble were encountered near the surface across the site. Sandy soils with varying amounts of silt were encountered across the project site during hand auger boring advancement. A boring log for the deeper boring, advanced for temporary well construction, 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 3. Due to the nature of contaminant types found along the U-3315 project and groundwater on this parcel, both the NCDENR UST Risk Based MSCCs and NCDENR IHSB SRGs (Standards) were utilized for comparison. Any soil sample result with a concentration above the lowest corresponding Standard is considered impacted (contaminated). Typically, petroleum impacted soils from a UST system are compared to the MSCCs.

As indicated on Table 1 and Sheet 3, no contaminated soil concentrations were revealed in the soil samples 87-HA-01(1') and 87-HA-01 (3.5') collected from the proposed drainage line near the northeast property corner. Soil contaminant concentrations were reported above Standards in the soil samples 87-HA-03, 87-HA-04, 87-HA-06, 87-HA-07, 87-HA-08(1') (collected near the northwestern property corner and along the proposed drainage line), and 87-HA-09(2'). Benzo(a)pyrene was the most wide spread compound detected (in five of six contaminated soil samples) above the corresponding Standard.

Groundwater

Summarized groundwater sample analytical results are provided on Table 2 and Sheet 3. Depth to groundwater was initially measured ("0" hour) at approximately 7.7 feet BLS. The following day depth to water was measured at roughly 7.5 feet BLS. Land surface elevation was survey at approximately 51.87 feet (Datum: NGVD 88 US ft.).

Groundwater sample laboratory analytical results revealed Tetrachlorethene at a concentration of 1.8 micrograms per liter (ug/L), which is above the 15A NCAC 02L .0202 groundwater quality standard (2L GWQS) of 0.7 ug/L. No other EPA Method 8260 or EPA Method 8270 parameters were detected above the laboratory reporting limits (estimated "J" values are summarized on Table 2). The complete laboratory analytical report is provided in Appendix C.

Contaminated Soil Volume

In the event a cut is required for roadway construction or utility installation, any soil samples revealing detectable concentrations will be considered petroleum impacted for handling and disposal purposes. However, the estimated extent of contaminated soils greater than the Standards are illustrated on Sheet 3 within the red dashed line and skull symbols.

The area illustrated with a red dashed line and skull symbols on Sheet 3 is roughly 1,940 square feet. If all soils within this area were excavated to 3.5 deep, the volume would be approximately 251 cubic yards.

The estimated contaminated soil volume to be removed for installation of the proposed 54-inch piping is based on an assumed excavation width of 6.5 feet and contamination extending from boring 87-HA-08 (and the western property line near the northwestern property corner) to the northeast approximately 23 feet (approximately halfway towards boring 87-TMW/HA-01) and 3.5 feet deep, which equals roughly 19 cubic yards.

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 geophysical anomalies indicative of metal USTs within six feet of the ground surface were identified at the site. A historical geophysical survey revealed a suspected UST under Dickinson Ave. beyond the northern property line.

Impacted soils and groundwater were revealed in samples collected from within the proposed drainage, ROW, and easement. Eleven (11) soil samples were collected from nine (9) boring locations and submitted for laboratory analysis. Six (6) of the 11 soil samples collected from six (6) of nine (9) boring locations revealed contaminant concentrations above the lowest SRG or MSCC. The groundwater sample revealed Tetrachloroethene concentrations above the corresponding 2L GWQS. The source of soil and groundwater contamination was not determined.

Depth to groundwater was measured approximately 7.5 feet below land surface in one location along the proposed drainage line.

Soils excavated for roadway and drainage construction near borings 87-HA-03, 87-HA-04, 87-HA-06, 87-HA-07, 87-HA-08, and 87-HA-09(2') should be managed as an impacted waste. The proposed drainage construction and drainage line near the northern property line may intersect Tetrachloroethene

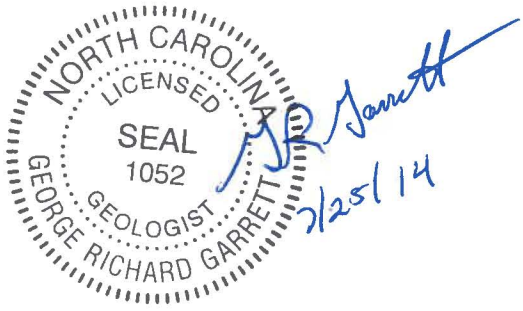
impacted groundwater. If saturated soils are excavated, the soils should be handled as an impacted waste. Additionally, the proposed drainage pipe and associated fittings/gaskets may need to be solvent resistant. The estimated volume of impacted soil near the proposed drainage pipe is 19 cubic yards. The total volume of impacted soil across the is 251 cubic yards.

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 8260 AND 8270
Parcel 087
Former Bobby Bowden Property
921 Dickinson Ave.
Greenville, NC 27834

Sample ID	Method →		EPA Method 8260					EPA Method 8270														
	Contaminant of Concern →		2-Butanone (MEK)	Acetone	Methylene Chloride	Toluene	All other EPA Method 8260 parameters	Anthracene	Dibenz(a,h)anthracene	Benzo(b)fluoranthene	Chrysene	Pyrene	Fluoranthene	Benzo(a)anthracene	Acenaphthene	Benzo(g,h,i)perylene	Indeno(1,2,3-cd) pyrene	Benzo(a)pyrene	Benzo(k)fluoranthene	Phenanthrene	Butylbenzylphthalate	All other EPA Method 8270 parameters
	Date Collected	Location																				
87-HA-01 (1')	3/27/14	Near northeast property corner along proposed drainage	ND	87.5J	3.4J	ND	BMDL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	BMDL
87-HA-01 (3.5')	3/27/14		ND	19.0J	ND	ND	BMDL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	BMDL
87-HA-02	3/27/14	Northeastern portion of parcel near property line	ND	53.4J	ND	ND	BMDL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	BMDL
87-HA-03	3/27/14	Southeastern portion of parcel near property line	ND	48.1J	ND	ND	BMDL	178J	**95.6J**	**300J**	536	1,230	1,180	**442**	90.8J	288J	**220J**	**443**	321J	1,080	ND	BMDL
87-HA-04	3/27/14	Near southeastern property corner	ND	40.0J	ND	ND	BMDL	ND	**96.3J**	**331J**	436	549	586	**321J**	ND	260J	**230J**	**373J**	323J	255J	ND	BMDL
87-HA-05	3/27/14	Near southwestern property corner	ND	23.2J	ND	ND	BMDL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	BMDL
87-HA-06	3/27/14	Southwestern portion of parcel near property line	ND	44.9J	ND	ND	BMDL	ND	ND	93.8J	112J	144J	154J	84.4J	ND	ND	ND	**88.8J**	71.6J	92.4J	ND	BMDL
87-HA-07	3/27/14	Northwestern portion of parcel near property line	23.0J	216	ND	3.6J	BMDL	ND	ND	**745J**	1,220J	1,790J	2,110J	**762J**	ND	ND	ND	ND	767J	1,180J	1,060J	BMDL
87-HA-08 (1')	3/27/14	Near northwestern property corner along proposed drainage	ND	48.6J	ND	ND	BMDL	ND	ND	72.7J	121J	263J	233J	92.7J	ND	ND	ND	**95.0J**	72.6J	211J	ND	BMDL
87-HA-08 (4')	3/27/14		ND	11.9J	ND	ND	BMDL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	BMDL
87-HA-09 (2')	3/27/14	Northern portion of property near property line and suspected UST	ND	69.2J	ND	ND	BMDL	ND	ND	76.3J	99.2J	131J	137J	87.2J	ND	ND	ND	**91.8J**	80.2J	ND	ND	BMDL
Preliminary Residential Health Based SRG			5,600,000	12,000,000	56,000	820,000	Varies	3,400,000	15	150	15,000	340,000	460,000	150	680,000	NE	150	15	1,500	NE	260,000	Varies
Preliminary Industrial Health Based SRG			28,000,000	100,000,000	620,000	820,000	Varies	34,000,000	210	2,100	210,000	3,400,000	4,400,000	2,100	6,600,000	NE	2,100	210	21,000	NE	910,000	Varies
Protection of Groundwater Preliminary SRG			16,000	24,000	23	5,500	Varies	660,000	190	600	18,000	220,000	330,000	180	8,400	7,800,000	2,000	59	5,900	68,000	150,000	Varies
Residential MSCC			9,385,000	14,000,000	85,000	1,200,000	Varies	4,600,000	88	880	88,000	469,000	620,000	880	940,000	469,000	880	88	9,000	469,000	NE	Varies
Industrial/Commercial MSCC			245,280,000	360,000,000	763,000	32,000,000	Varies	122,000,000	780	8,000	780,000	12,264,000	16,400,000	8,000	24,000,000	12,264,000	8,000	780	78,000	12,264,000	NE	Varies
Soil To Groundwater MSCC			16,000	24,000	20	4,300	Varies	940,000	170	1,200	39,000	270,000	290,000	350	8,200	6,400,000	3,400	96	12,000	56,000	NE	Varies

All results, Soil Remediation Goals (SRGs), and Maximum Soil Contaminant Concentrations (MSCCs) in micrograms per kilogram (ug/kg).
Sample depth below land surface provided in parentheses as part of the sample identification. Where no depth is indicated in parentheses, soils were collected just below land surface at approximately 0.5 feet deep.
BMDL = Below Method Detection Limit (Refer to analytical report for a complete list of parameters and detection limits.)
ND = Not Detected (Less than method detection limit)

J = Estimated Concentration
NE = None Established
STGW = Soil To Groundwater
Bold results indicate concentrations above the lowest MSCC or SRG.

TABLE 2

SUMMARY OF GROUNDWATER LABORATORY RESULTS - EPA METHODS 8260 AND 8270

Parcel 087
Former Bobby Bowden Property
921 Dickinson Ave.
Greenville, NC 27834

Sample ID	Method →		EPA Method 8260					EPA Method 8270	
	Contaminant of Concern →		cis-1,2-Dichloroethene	Naphthalene	Tetrachloroethene	Toluene	All other EPA Method 8260 parameters	1,4-Dichlorobenzene	All other EPA Method 8270 parameters
	Date Collected	Location							
87-TMW-01	3/28/2014	Near northeast property corner along proposed drainage	0.39J	0.30J	**1.8**	0.56J	BMDL	1.2J	BMDL
		2L GWQS	70	6	0.7	600	Varies	6	Varies

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

Bold results exceed the 15A NCAC 02L .0202 Groundwater Standards (2L GWQS).

BMDL = Below Method Detection Limit (Refer to analytical report for a complete list of parameters and detection limits.)

J = Estimated Concentration

SHEETS

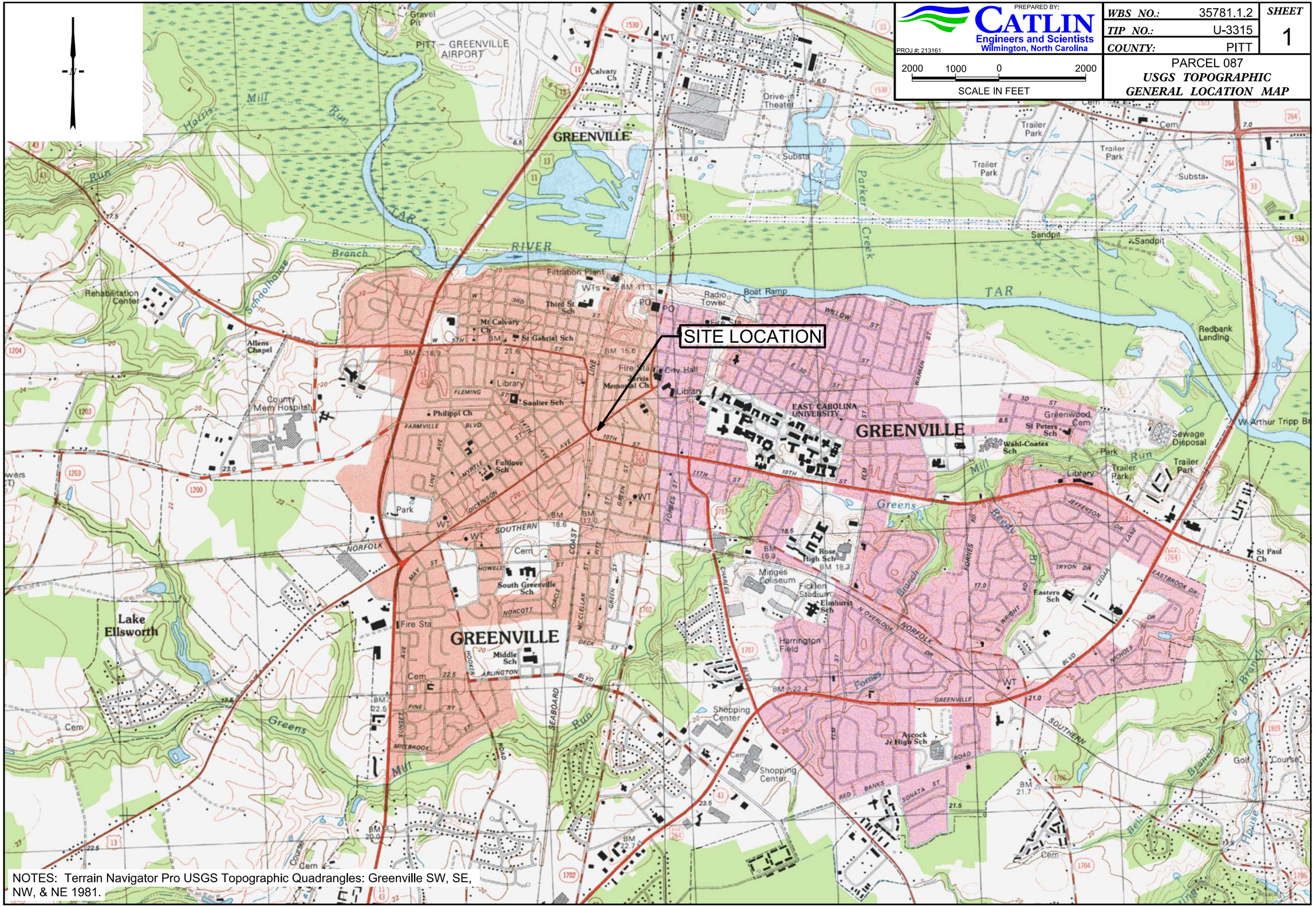
PREPARED BY:
CATLIN
Engineers and Scientists
Wilmington, North Carolina
PROJ #: 213161

WBS NO.:	35781.1.2
TIP NO.:	U-3315
COUNTY:	PITT

SHEET 1

2000 1000 0 2000
SCALE IN FEET

PARCEL 087
USGS TOPOGRAPHIC GENERAL LOCATION MAP



NOTES: Terrain Navigator Pro USGS Topographic Quadrangles: Greenville SW, SE, NW, & NE 1981.

PROJECT REFERENCE NO.	SHEET NO.
35781.2 (U-3315)	2

Note: Not to Scale

**S.U.E. = Subsurface Utility Engineering*

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin — EIP
- Property Corner
- Property Monument — EPM
- Parcel/Sequence Number — 23
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — EWB
- Proposed Wetland Boundary — PWB
- Existing Endangered Animal Boundary — EAB
- Existing Endangered Plant Boundary — EPB
- Known Soil Contamination: Area or Site
- Potential Soil Contamination: Area or Site

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G 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 — JS
- Buffer Zone 1 — BZ 1
- Buffer Zone 2 — BZ 2
- Flow Arrow
- Disappearing Stream
- Spring
- Wetland
- Proposed Lateral, Tail, Head Ditch — Flow
- False Sump

RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — 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 — E
- Proposed Temporary Construction Easement — E
- Proposed Temporary Drainage Easement — TDE
- Proposed Permanent Drainage Easement — PDE
- Proposed Permanent Drainage / Utility Easement — DUE
- Proposed Permanent Utility Easement — PUE
- Proposed Temporary Utility Easement — TUE
- Proposed Aerial Utility Easement — AUE
- Proposed Permanent Easement with Iron Pin and Cap Marker

ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut — C
- Proposed Slope Stakes Fill — F
- Proposed Curb Ramp — CR
- Curb Cut Future Ramp — CCFR
- 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 — Vineyard

EXISTING STRUCTURES:

MAJOR:
- Bridge, Tunnel or Box Culvert — CONC
- Bridge Wing Wall, Head Wall and End Wall — CONC WW

MINOR:
- Head and End Wall — CONC HW
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

UTILITIES:

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

TELEPHONE:
- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole — T
- Telephone Booth — T
- Telephone Pedestal — T
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole — HH
- Recorded U/G Telephone Cable — T
- Designated U/G Telephone Cable (S.U.E.*) — T
- Recorded U/G Telephone Conduit — TC
- Designated U/G Telephone Conduit (S.U.E.*) — TC
- Recorded U/G Fiber Optics Cable — T FO
- Designated U/G Fiber Optics Cable (S.U.E.*) — T FO

WATER:
- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- Recorded U/G Water Line — W
- Designated U/G Water Line (S.U.E.*) — W
- Above Ground Water Line — A/G Water

TV:
- TV Satellite Dish
- TV Pedestal — TV
- TV Tower
- U/G TV Cable Hand Hole — HH
- Recorded U/G TV Cable — TV
- Designated U/G TV Cable (S.U.E.*) — TV
- Recorded U/G Fiber Optic Cable — TV FO
- Designated U/G Fiber Optic Cable (S.U.E.*) — TV FO

GAS:
- Gas Valve
- Gas Meter — G
- Recorded U/G Gas Line — G
- Designated U/G Gas Line (S.U.E.*) — G
- Above Ground Gas Line — A/G Gas

SANITARY SEWER:
- Sanitary Sewer Manhole — SS
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line — SS
- Above Ground Sanitary Sewer — A/G Sanitary Sewer
- Recorded SS Forced Main Line — FSS
- Designated SS Forced Main Line (S.U.E.*) — FSS

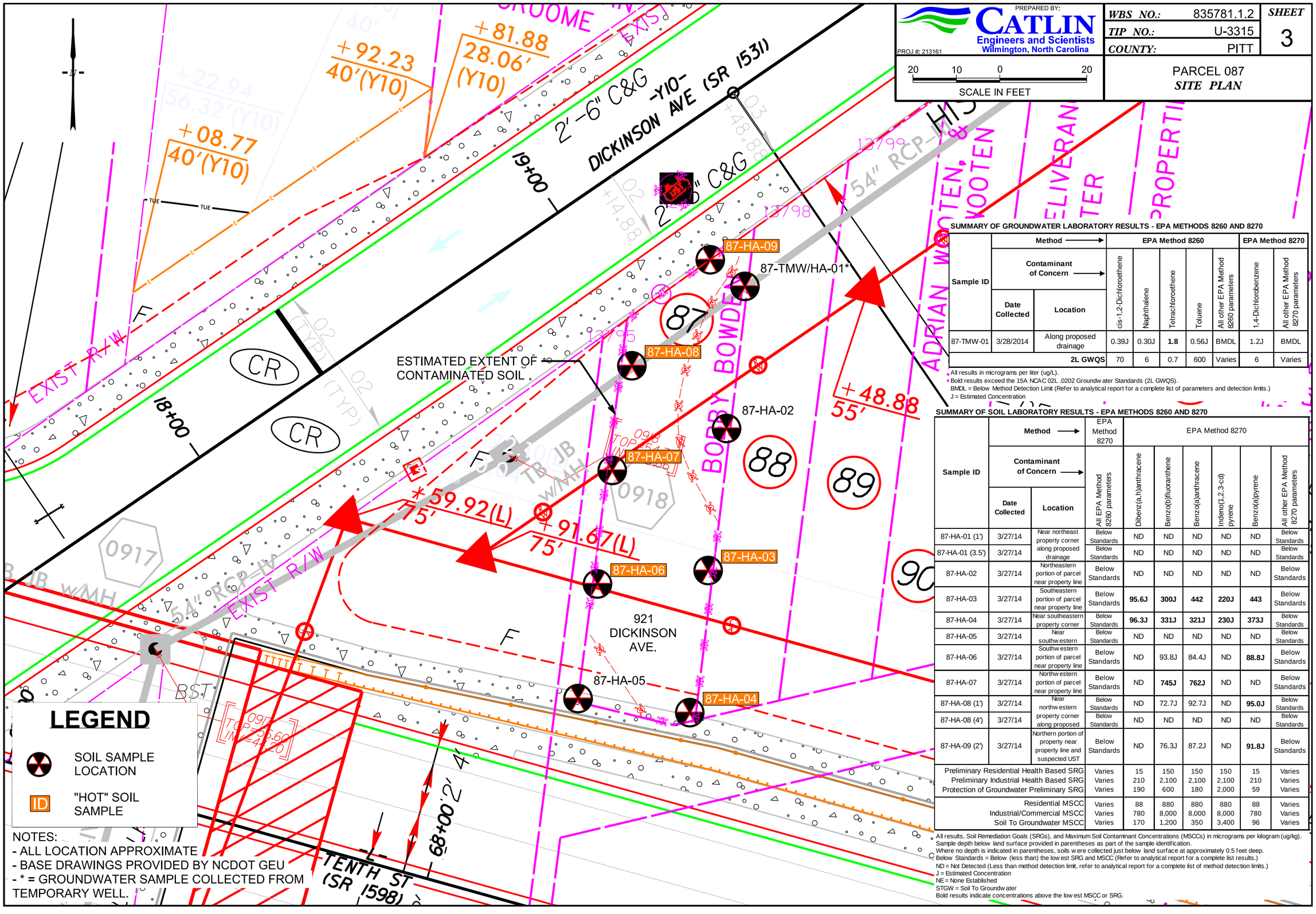
MISCELLANEOUS:
- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — SL
- Utility Unknown U/G Line — U/L
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc. — UST
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- U/G Test Hole (S.U.E.*) — TH
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

PREPARED BY:
CATLIN
Engineers and Scientists
Wilmington, North Carolina
PROJ #: 213161

WBS NO.:	835781.1.2	SHEET 3
TIP NO.:	U-3315	
COUNTY:	PITT	

20 10 0 20
SCALE IN FEET

PARCEL 087
SITE PLAN



LEGEND

- SOIL SAMPLE LOCATION
- ID — "HOT" SOIL SAMPLE

NOTES:
- ALL LOCATION APPROXIMATE
- BASE DRAWINGS PROVIDED BY NCDOT GEU
- * = GROUNDWATER SAMPLE COLLECTED FROM TEMPORARY WELL.

SUMMARY OF GROUNDWATER LABORATORY RESULTS - EPA METHODS 8260 AND 8270

Sample ID	Method →		EPA Method 8260					EPA Method 8270	
	Contaminant of Concern →		cis-1,2-Dichloroethene	Naphthalene	Tetrachloroethene	Toluene	All other EPA Method 8260 parameters	1,4-Dichlorobenzene	All other EPA Method 8270 parameters
	Date Collected	Location							
87-TMW-01	3/28/2014	Along proposed drainage	0.39J	0.30J	**1.8**	0.56J	BMDL	1.2J	BMDL
2L GWQS			70	6	0.7	600	Varies	6	Varies

- All results in micrograms per liter (ug/L).
- Bold results exceed the 15A NCAC 02L .0202 Groundwater Standards (2L GWQS).
- BMDL = Below Method Detection Limit (Refer to analytical report for a complete list of parameters and detection limits.)
- J = Estimated Concentration

SUMMARY OF SOIL LABORATORY RESULTS - EPA METHODS 8260 AND 8270

Sample ID	Method →		EPA Method 8270	EPA Method 8270					
	Contaminant of Concern →		All EPA Method 8260 parameters	Dibenz(a,h)anthracene	Benzo(b)fluoranthene	Benzo(a)anthracene	Indeno(1,2,3-cd) pyrene	Benzo(a)pyrene	All other EPA Method 8270 parameters
	Date Collected	Location							
87-HA-01 (1')	3/27/14	Near northeast property corner along proposed drainage	Below Standards	ND	ND	ND	ND	ND	Below Standards
87-HA-01 (3.5')	3/27/14		Below Standards	ND	ND	ND	ND	ND	Below Standards
87-HA-02	3/27/14	Northeastern portion of parcel near property line	Below Standards	ND	ND	ND	ND	ND	Below Standards
87-HA-03	3/27/14	Southeastern portion of parcel near property line	Below Standards	**95.6J**	**300J**	**442**	**220J**	**443**	Below Standards
87-HA-04	3/27/14	Near southeastern property corner	Below Standards	**96.3J**	**331J**	**321J**	**230J**	**373J**	Below Standards
87-HA-05	3/27/14	Near southw estern	Below Standards	ND	ND	ND	ND	ND	Below Standards
87-HA-06	3/27/14	Southw estern portion of parcel near property line	Below Standards	ND	93.8J	84.4J	ND	**88.8J**	Below Standards
87-HA-07	3/27/14	Northw estern portion of parcel near property line	Below Standards	ND	**745J**	**762J**	ND	ND	Below Standards
87-HA-08 (1')	3/27/14	Near northw estern property corner along proposed	Below Standards	ND	72.7J	92.7J	ND	**95.0J**	Below Standards
87-HA-08 (4')	3/27/14		Below Standards	ND	ND	ND	ND	ND	Below Standards
87-HA-09 (2')	3/27/14	Northern portion of property near property line and suspected UST	Below Standards	ND	76.3J	87.2J	ND	**91.8J**	Below Standards
Preliminary Residential Health Based SRG			Varies	15	150	150	150	15	Varies
Preliminary Industrial Health Based SRG			Varies	210	2,100	2,100	2,100	210	Varies
Protection of Groundwater Preliminary SRG			Varies	190	600	180	2,000	59	Varies
Residential MSCC			Varies	88	880	880	880	88	Varies
Industrial/Commercial MSCC			Varies	780	8,000	8,000	8,000	780	Varies
Soil To Groundwater MSCC			Varies	170	1,200	350	3,400	96	Varies

- All results, Soil Remediation Goals (SRGs), and Maximum Soil Contaminant Concentrations (MSCCs) in micrograms per kilogram (ug/kg).
- Sample depth below land surface provided in parentheses as part of the sample identification.
- Where no depth is indicated in parentheses, soils were collected just below land surface at approximately 0.5 feet deep.
- Below Standards = Below (less than) the lowest SRG and MSCC (Refer to analytical report for a complete list results.)
- ND = Not Detected (Less than method detection limit, refer to analytical report for a complete list of method detection limits.)
- J = Estimated Concentration
- NE = None Established
- STGW = Soil To Groundwater
- Bold results indicate concentrations above the lowest MSCC or SRG.

APPENDICES

APPENDIX A
SCHNABEL GEOPHYSICAL REPORT

Schnabel ENGINEERING

April 15, 2014

Mr. Richard Garrett, LG
Catlin Engineers and Scientists, Inc.
P.O. Box 10279
Wilmington, NC 28404-0279

RE:
State Project: U-3315
WBS Element: 35781.1.2
County: Pitt
Description: Stantonsburg Road/Tenth Street Connector from Memorial Drive (US 13) to Evans Street

Subject: **Project 11821014.37, Report on Geophysical Surveys**
Parcel 087, Former Bobby Bowden Property, Greenville, North Carolina

Dear Mr. Garrett:

SCHNABEL ENGINEERING SOUTH, PC (Schnabel) is pleased to present this report on the geophysical surveys we performed on the subject property. The report includes two 11x17 inch color figures and two 8.5x11 inch color figures. This study was performed in accordance with our proposal for Geophysical Surveys to Locate Possible USTs dated March 3, 2014, as approved by Terry Farr (NCDOT) on March 21, 2014, and our existing agreement dated June 2, 2011. Gordon Box (NCDOT) provided a verbal notice to proceed on March 20, 2014.

INTRODUCTION

The field work described in this report was performed on March 25, 2014 and March 26, 2014, by Schnabel. The purpose of the geophysical surveys was to evaluate the potential presence of metal underground storage tanks (USTs) in the accessible areas of Parcel 087. Photographs of the property are included on Figure 1. The property is located on the south side of Dickinson Avenue near the intersection with Atlantic Avenue in Greenville, NC.

The geophysical surveys consisted of an electromagnetic (EM) induction survey and a ground penetrating radar (GPR) survey. The EM survey was performed using a Geonics EM61-MK2 (EM61) instrument. The EM61 is a time domain metal detector that stores data digitally for later processing and review. Sensitivity to metallic objects is dependent on the size, depth, and orientation of the buried object and the amount of noise (i.e. response from spurious metallic objects) in the area. The EM61 can generally observe a single

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11A Oak Branch Drive / Greensboro, NC / 27407

buried 55 gallon drum at a depth of 10 feet or less. The EM61 makes measurements by creating an electromagnetic pulse and then measuring the response from metallic objects over time after the pulse is generated. We measured and recorded the response at several time increments after the pulse to help evaluate relative size and depth of metallic objects in the subsurface.

The GPR survey was performed over selected EM61 anomalies using a Geophysical Survey Systems SIR-3000 system equipped with a 400 MHz antenna to further investigate and evaluate EM responses that could indicate a potential UST. The depth penetration of the GPR signal, when using a 400 MHz antenna, is often limited to 6 feet or less.

Photographs of the equipment used are shown on Figure 2.

FIELD METHODOLOGY

We obtained locations of geophysical data points using a sub-meter Trimble Pro-XRS differential global positioning system (DGPS). 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 also recorded the locations of existing site features (utilities, metal objects, etc.) with the DGPS for later correlation with the geophysical data and a site plan 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 closely-spaced lines in orthogonal directions over 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 087 and the GPR survey area locations are shown on Figure 3, EM61 Early Time Gate Response, and Figure 4, EM61 Differential Response. Areas outside the colored, contoured EM61 data were not surveyed. Early time data refer to the response measured at a short time after the initial EM pulse is generated. Early time data typically contain responses from all metal objects, small or large and shallow or deep, within the sensitivity range of the instrument. Differential data represent the difference in response between the top and bottom coils of the EM61 instrument at a later time after the initial pulse than early time data. Differential data naturally tend to filter 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.

We were not able to access a small portion of the planned survey area due to the presence of a mound of soil and debris at the southwest corner of the parcel. The EM data contain multiple anomalies that we investigated with GPR (as shown on Figures 3 and 4), all of which appear to be the result of buried utilities, reinforced concrete, or other metal objects at the ground surface or at shallow depths. The geophysical data collected at the site do not indicate the presence of metallic USTs within the areas surveyed.

CONCLUSIONS

As shown in Figures 3 and 4, the EM data we collected over Parcel 087 did not cover a small portion of the planned survey area due to the presence of mounded soil and debris within the planned survey area. The EM data include responses from several visible metallic objects at grade (e.g. scrap metal, utility meters, etc.). We did not observe anomalies in the EM or the GPR geophysical data at the subject property that we interpret to be the results of metallic USTs within about 6 feet of the ground surface.

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

Joel C. Daniel, LG
Senior Geophysicist

JWW:JCD
Attachments: Figures (4)
CC: NCDOT, Gordon Box
FILE: G:\2011-SDE-JOBS\11821014_00_NCDOT_2011_GEOTECHNICAL_UNIT_SERVICES\11821014_37_U-3315_PITT_COUNTY\REPORT\SCHNABEL GEOPHYSICAL REPORT ON PARCEL 87 (U-3315).DOCX

Attachments:

- Figure 1 - Parcel 087 Site Photos
- Figure 2 - Photos of Geophysical Equipment Used
- Figure 3 - EM61 Early Time Gate Response
- Figure 4 - EM61 Differential Response

Parcel 087 (Former Bobby Bowden Property), looking south

Parcel 087 (Former Bobby Bowden Property), looking north

Schnabel ENGINEERING	STATE PROJECT U-3315 NC DEPT. OF TRANSPORTATION PITT COUNTY, NORTH CAROLINA PROJECT NO. 11821014.37	PARCEL 087 SITE PHOTOS FIGURE 1

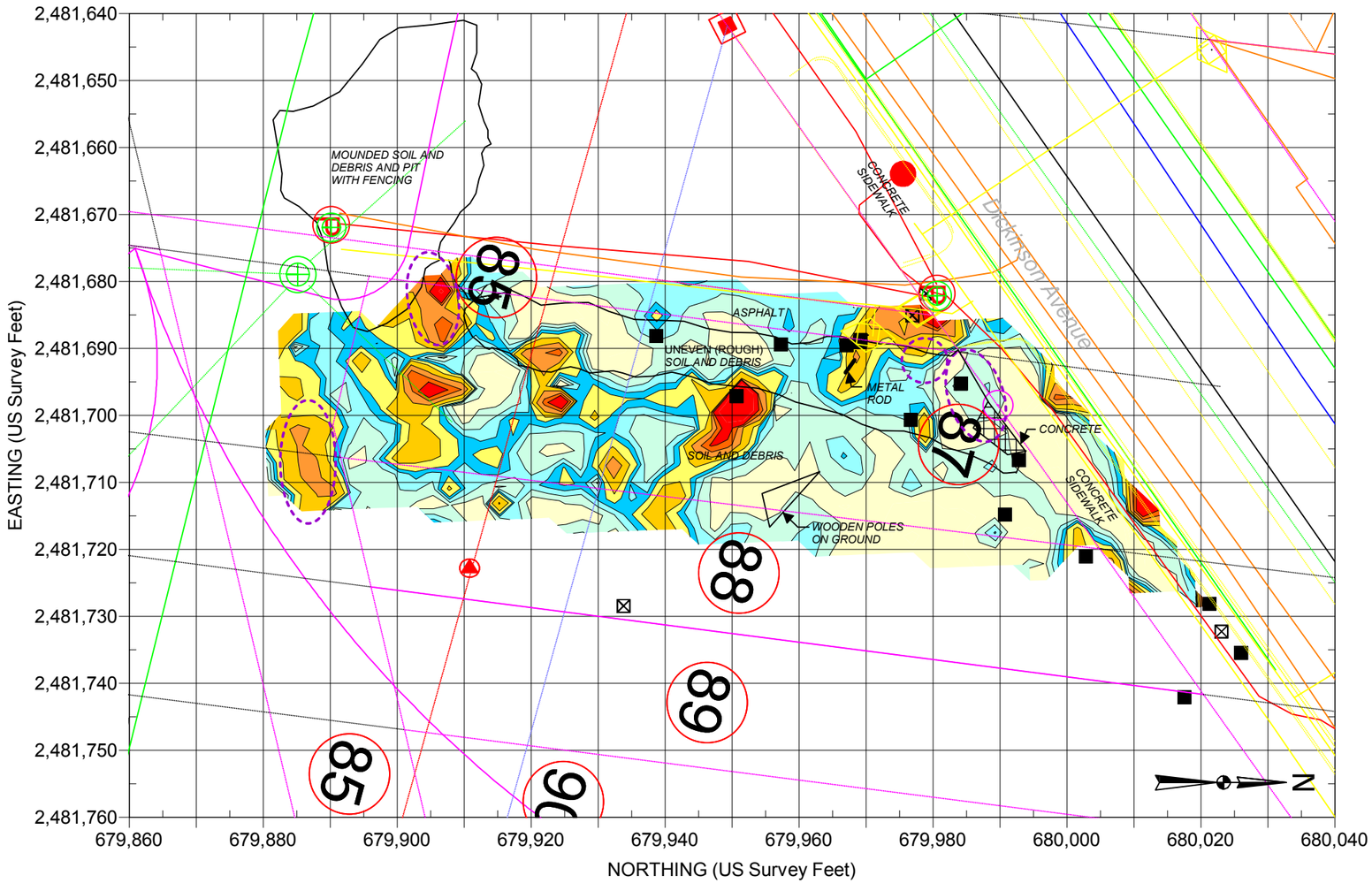
Geonics EM61-MK2 Metal Detector with Trimble DGPS Unit

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

Note: Stock photographs – not taken on site.

Schnabel ENGINEERING	STATE PROJECT U-3315 NC DEPT. OF TRANSPORTATION PITT COUNTY, NORTH CAROLINA PROJECT NO. 11821014.37	PHOTOS OF GEOPHYSICAL EQUIPMENT USED FIGURE 2

PARCEL 87



EM61 Early Time Gate Response (mV)

-15000 -100 0 50 100 150 200 300 500 750 1000 2000

Scale in US Survey Feet: 1 in = 20 ft

0 20 40 60

EXPLANATION

- UTILITY MANHOLE, METER, BOX, ETC.
- MISCELLANEOUS METALLIC OBJECT
- EDGE OF NCDOT PROPOSED R/W
- PROPERTY LINE
- GPR SURVEY AREA

BASE PLAN FROM NCDOT FILE:
u3315_rdy_psh09.dgn
(FOR SOME SITE FEATURES)

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 March 25, 2014, 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 March 26, 2014, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.

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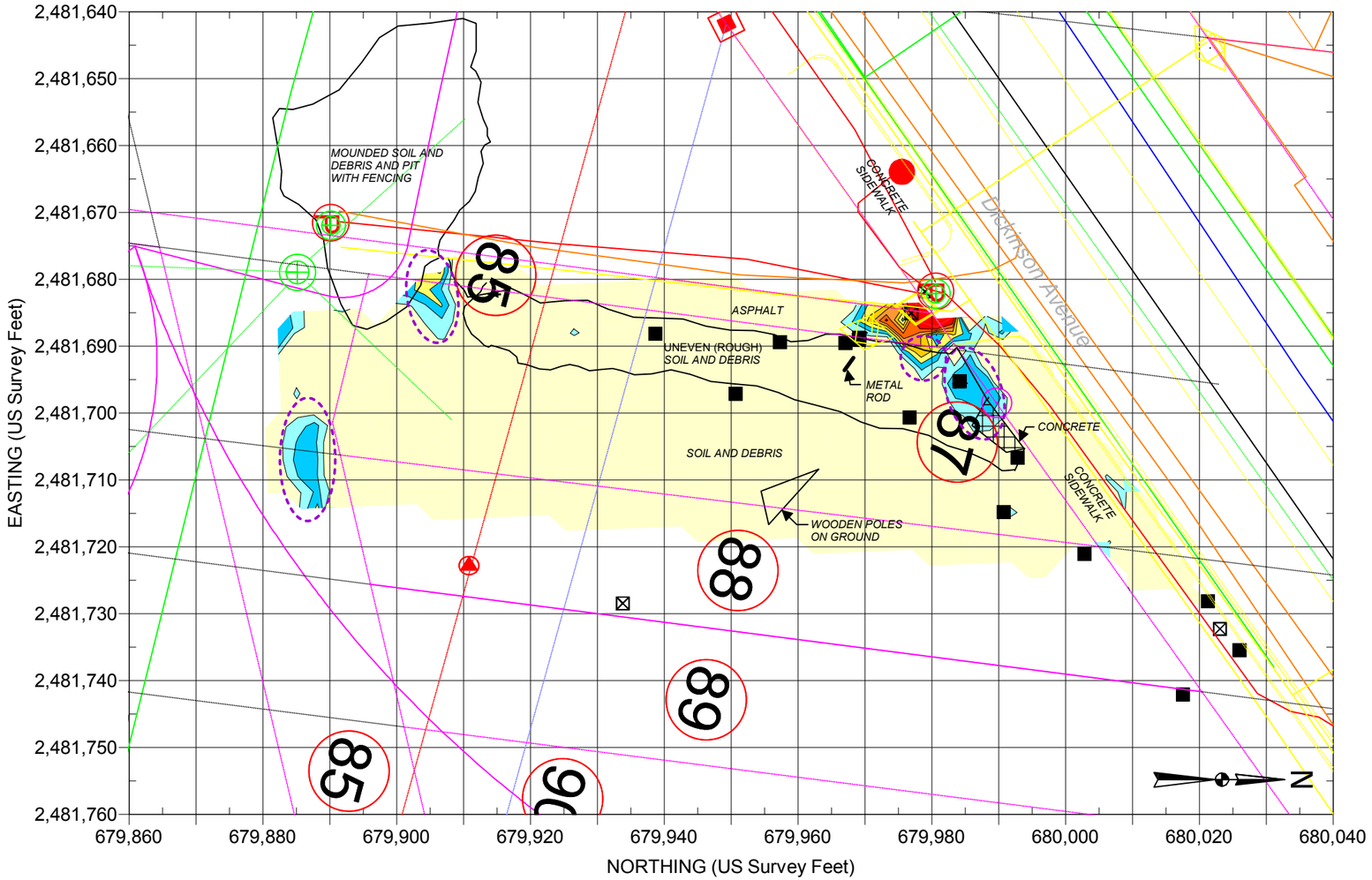
STATE PROJECT U-3315
NC DEPARTMENT OF TRANSPORTATION
PITT COUNTY, NC
PROJECT NO. 11821014.37

EM61
EARLY TIME GATE
RESPONSE

FIGURE 3

PARCEL 87



EM61 Differential Response (mV)

-20000 -100 0 40 60 80 100 120 140 160 200

Scale in US Survey Feet: 1 in = 20 ft

0 20 40 60

EXPLANATION

- UTILITY MANHOLE, METER, BOX, ETC.
- MISCELLANEOUS METALLIC OBJECT
- EDGE OF NCDOT PROPOSED R/W
- PROPERTY LINE
- GPR SURVEY AREA

BASE PLAN FROM NCDOT FILE:
u3315_rdy_psh09.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 March 25, 2014, 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 March 26, 2014, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.

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STATE PROJECT U-3315
NC DEPARTMENT OF TRANSPORTATION
PITT COUNTY, NC
PROJECT NO. 11821014.37

EM61
DIFFERENTIAL
RESPONSE

FIGURE 4

APPENDIX B

BORING LOG, WELL CONSTRUCTION RECORD, AND WELL ABANDONMENT RECORD

BORING LOG

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213161 Wilmington, NC
35781.1.2 State Project U-3315
SHEET 1 OF 1

PROJECT NO.: 213161	**STATE:** NC	**COUNTY:** Pitt	**LOCATION:** Greenville
PROJECT NAME: Former Bobby Bowden Property		**LOGGED BY:** Ben Ashba	**BORING ID:** 87-HA-01
		DRILLER: William J. Miller	
NORTHING: 679,992	**EASTING:** 2,481,718	**CREW:** CATLIN	
SYSTEM: NCSP NAD 83 (USft)	**BORING LOCATION:** Near NE property corner along prop. drainage.		**LAND ELEV.:** NM
DRILL MACHINE: Hand Auger	**METHOD:** Hand Auger	**0 HOUR DTW:** 7.7	**BORING DEPTH:** 8.5
START DATE: 3/27/14	**FINISH DATE:** 3/27/14	**24 HOUR DTW:** 7.5	**WATER DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	SCREENING RESULTS (ppm) 0 250 500 750 1,000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0								Brick frags., concrete debris, and rubble.	
							2.0		
	G R A B			▽ ▼				Brown to light brown, f. SAND.	
8.5							8.5		
								Boring Terminated at Depth 8.5 ft	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_213161_NCDOT-GREENVILLE.GPJ_CATLIN.GDT_7/23/14

BORING LOG

CATLIN Engineers and Scientists
213161 Wilmington, NC
35781.1.2
SHEET 1 OF 1
State Project U-3315

PROJECT NO.: 213161	**STATE:** NC	**COUNTY:** Pitt	**LOCATION:** Greenville
PROJECT NAME: Former Bobby Bowden Property		**LOGGED BY:** Ben Ashba	**BORING ID:** 87-HA-02
		DRILLER: William J. Miller	
NORTHING: 679,959	**EASTING:** 2,481,713	**CREW:** CATLIN	
SYSTEM: NCSP NAD 83 (USft)	**BORING LOCATION:** NE portion of parcel near property line.		**LAND ELEV.:** NM
DRILL MACHINE: Hand Auger	**METHOD:** Hand Auger	**0 HOUR DTW:** N/A	**BORING DEPTH:** 1.0
START DATE: 3/27/14	**FINISH DATE:** 3/27/14	**24 HOUR DTW:** N/A	**WATER DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	SCREENING RESULTS (ppm) 0 250 500 750 1,000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0	G R A B						0.3	Brick frags, concrete debris, and rubble.	
								Brown, f. SAND.	
1.0							1.0	Boring Terminated at Depth 1.0 ft	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 213161 NCDOT-GREENVILLE.GPJ CATLIN.GDT 7/23/14

BORING LOG

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35781.1.2
SHEET 1 OF 1
State Project U-3315

PROJECT NO.: 213161	**STATE:** NC	**COUNTY:** Pitt	**LOCATION:** Greenville
PROJECT NAME: Former Bobby Bowden Property		**LOGGED BY:** Ben Ashba	**BORING ID:** 87-HA-03
		DRILLER: William J. Miller	
NORTHING: 679,926	**EASTING:** 2,481,709	**CREW:** CATLIN	
SYSTEM: NCSP NAD 83 (USft)	**BORING LOCATION:** SE portion of parcel near property line.		**LAND ELEV.:** NM
DRILL MACHINE: Hand Auger	**METHOD:** Hand Auger	**0 HOUR DTW:** N/A	**BORING DEPTH:** 1.0
START DATE: 3/27/14	**FINISH DATE:** 3/27/14	**24 HOUR DTW:** N/A	**WATER DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	SCREENING RESULTS (ppm) 0 250 500 750 1,000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0	G R A B						0.3	Brick frags, concrete debris, and rubble.	
								Brown, f. SAND.	
1.0							1.0	Boring Terminated at Depth 1.0 ft	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_213161_NCDOT-GREENVILLE.GPJ_CATLIN.GDT_7/23/14

BORING LOG

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35781.1.2
SHEET 1 OF 1
State Project U-3315

PROJECT NO.: 213161	**STATE:** NC	**COUNTY:** Pitt	**LOCATION:** Greenville
PROJECT NAME: Former Bobby Bowden Property		**LOGGED BY:** Ben Ashba	**BORING ID:** 87-HA-04
		DRILLER: William J. Miller	
NORTHING: 679,893	**EASTING:** 2,481,705	**CREW:** CATLIN	
SYSTEM: NCSP NAD 83 (USft)	**BORING LOCATION:** Near SE property corner.		**LAND ELEV.:** NM
DRILL MACHINE: Hand Auger	**METHOD:** Hand Auger	**0 HOUR DTW:** N/A	**BORING DEPTH:** 1.0
START DATE: 3/27/14	**FINISH DATE:** 3/27/14	**24 HOUR DTW:** N/A	**WATER DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	SCREENING RESULTS (ppm) 0 250 500 750 1,000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0	G R A B						0.3	Brick frags, concrete debris, and rubble.	
								Brown, f. SAND.	
1.0							1.0	Boring Terminated at Depth 1.0 ft	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_213161_NCDOT-GREENVILLE.GPJ_CATLIN.GDT_7/23/14

BORING LOG

CATLIN Engineers and Scientists

213161 Wilmington, NC | 35781.1.2 | SHEET 1 OF 1 | State Project U-3315

PROJECT NO.: 213161	**STATE:** NC	**COUNTY:** Pitt	**LOCATION:** Greenville
PROJECT NAME: Former Bobby Bowden Property		**LOGGED BY:** Ben Ashba	**BORING ID:** 87-HA-05
		DRILLER: William J. Miller	
NORTHING: 679,897	**EASTING:** 2,481,679	**CREW:** CATLIN	
SYSTEM: NCSP NAD 83 (USft)	**BORING LOCATION:** Near SW property corner.		**LAND ELEV.:** NM
DRILL MACHINE: Hand Auger	**METHOD:** Hand Auger	**0 HOUR DTW:** N/A	**BORING DEPTH:** 1.0
START DATE: 3/27/14	**FINISH DATE:** 3/27/14	**24 HOUR DTW:** N/A	**WATER DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	SCREENING RESULTS (ppm) 0 250 500 750 1,000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0	G R A B						0.3	Brick frags, concrete debris, and rubble.	
								Brown, f. SAND.	
1.0							1.0	Boring Terminated at Depth 1.0 ft	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_213161_NCDOT-GREENVILLE.GPJ_CATLIN.GDT_7/23/14

BORING LOG

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35781.1.2 State Project U-3315
SHEET 1 OF 1

PROJECT NO.: 213161	**STATE:** NC	**COUNTY:** Pitt	**LOCATION:** Greenville
PROJECT NAME: Former Bobby Bowden Property		**LOGGED BY:** Ben Ashba	**BORING ID:** 87-HA-06
		DRILLER: William J. Miller	
NORTHING: 679,923	**EASTING:** 2,481,684	**CREW:** CATLIN	
SYSTEM: NCSP NAD 83 (USft)	**BORING LOCATION:** SW portion of parcel near property line.		**LAND ELEV.:** NM
DRILL MACHINE: Hand Auger	**METHOD:** Hand Auger	**0 HOUR DTW:** N/A	**BORING DEPTH:** 1.0
START DATE: 3/27/14	**FINISH DATE:** 3/27/14	**24 HOUR DTW:** N/A	**WATER DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	SCREENING RESULTS (ppm) 0 250 500 750 1,000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0	G R A B						0.3	Brick frags, concrete debris, and rubble.	
								Brown, f. SAND.	
1.0							1.0	Boring Terminated at Depth 1.0 ft	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 213161 NCDOT-GREENVILLE.GPJ CATLIN.GDT 7/23/14

BORING LOG

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SHEET 1 OF 1

PROJECT NO.: 213161	**STATE:** NC	**COUNTY:** Pitt	**LOCATION:** Greenville
PROJECT NAME: Former Bobby Bowden Property		**LOGGED BY:** Ben Ashba	**BORING ID:** 87-HA-07
		DRILLER: William J. Miller	
NORTHING: 679,949	**EASTING:** 2,481,687	**CREW:** CATLIN	
SYSTEM: NCSP NAD 83 (USft)	**BORING LOCATION:** NW portion of parcel near property line.		**LAND ELEV.:** NM
DRILL MACHINE: Hand Auger	**METHOD:** Hand Auger	**0 HOUR DTW:** N/A	**BORING DEPTH:** 1.0
START DATE: 3/27/14	**FINISH DATE:** 3/27/14	**24 HOUR DTW:** N/A	**WATER DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	SCREENING RESULTS (ppm) 0 250 500 750 1,000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0	G R A B						0.3	Brick frags, concrete debris, and rubble.	
								Brown, f. SAND.	
1.0							1.0	Boring Terminated at Depth 1.0 ft	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_213161_NCDOT-GREENVILLE.GPJ_CATLIN.GDT 7/23/14

BORING LOG

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213161 Wilmington, NC
35781.1.2
SHEET 1 OF 1
State Project U-3315

PROJECT NO.: 213161	**STATE:** NC	**COUNTY:** Pitt		**LOCATION:** Greenville	
PROJECT NAME: Former Bobby Bowden Property		**LOGGED BY:** Ben Ashba		**BORING ID:** 87-HA-08	
		DRILLER: William J. Miller			
NORTHING: 679,973	**EASTING:** 2,481,692	**CREW:** CATLIN			
SYSTEM: NCSP NAD 83 (USft)	**BORING LOCATION:** Near NW property corner along prop. drainage.			**LAND ELEV.:** NM	
DRILL MACHINE: Hand Auger	**METHOD:** Hand Auger		**0 HOUR DTW:** N/A	**BORING DEPTH:** 4.0	
START DATE: 3/27/14	**FINISH DATE:** 3/27/14		**24 HOUR DTW:** N/A	**WATER DEPTH:** --	

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	SCREENING RESULTS (ppm) 0 250 500 750 1,000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0							0.3	Brick frags, concrete debris, and rubble.	
	G R A B							Brown, f. SAND.	
4.0							4.0	Boring Terminated at Depth 4.0 ft	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG 213161_NCDOT-GREENVILLE.GPJ_CATLIN.GDT 7/23/14

BORING LOG

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35781.1.2
SHEET 1 OF 1
State Project U-3315

PROJECT NO.: 213161	**STATE:** NC	**COUNTY:** Pitt	**LOCATION:** Greenville
PROJECT NAME: Former Bobby Bowden Property		**LOGGED BY:** Ben Ashba	**BORING ID:** 87-HA-09
		DRILLER: William J. Miller	
NORTHING: 679,998	**EASTING:** 2,481,710	**CREW:** CATLIN	
SYSTEM: NCSP NAD 83 (USft)	**BORING LOCATION:** Near North property line & suspected UST.		**LAND ELEV.:** NM
DRILL MACHINE: Hand Auger	**METHOD:** Hand Auger	**0 HOUR DTW:** N/A	**BORING DEPTH:** 2.0
START DATE: 3/27/14	**FINISH DATE:** 3/27/14	**24 HOUR DTW:** N/A	**WATER DEPTH:** --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	SCREENING RESULTS (ppm) 0 250 500 750 1,000	LAB.	USCS	LOG	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
							0.0	LAND SURFACE	
0.0							0.3	Brick frags, concrete debris, and rubble.	
	G R A B							Brown, f. SAND.	
2.0							2.0	Boring Terminated at Depth 2.0 ft	

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 213161 NCDOT-GREENVILLE.GPJ CATLIN.GDT 7/23/14

WELL LOG

CATLIN Engineers and Scientists
213161 Wilmington, NC

SHEET 1 OF 1

PROJECT NO.: 213161	STATE: NC	COUNTY: Pitt	LOCATION: Greenville
PROJECT NAME: Former Bobby Bowden Property	LOGGED BY: Ben Ashba		WELL ID: 87-TMW-01
	DRILLER: William J. Miller		
NORTHING: 679992	EASTING: 2481718	CREW: CATLIN	
SYSTEM: NCSP NAD 83 (USft)	NCDOT PROJECT REF. NO.: 35781.1.2 (U-3315)		T.O.C. ELEV.: 53.30
DRILL MACHINE: Hand Auger	METHOD: Hand Auger	0 HOUR DTW: 7.7	TOTAL DEPTH: 8.5
START DATE: 3/27/14	FINISH DATE: 3/27/14	24 HOUR DTW: 7.5	WELL DEPTH: 8.5

DEPTH	BLOW COUNT 0.5ft	0.5ft	0.5ft	0.5ft	OVA (ppm)	LAB.	MOIS	LOG	SOIL AND ROCK DESCRIPTION	DEPTH	ELEVATION	WELL DETAIL
										0.0	51.8	1.5
0.0									LAND SURFACE			0.0
									Brick frags., concrete debris, and rubble.	2.0	49.8	1" Sch. 40 PVC
	G	R	A	B					(SP) - Brown to light brown, f. SAND.			3.5
8.5										8.5	43.3	1" Slot .010 Sch. 40 PVC
									Boring Terminated at Elevation 43.3 ft Temporary Well Abandoned After Gauging & Sampling			8.4 8.5 8.5

Native Backfill

CATLIN BORING LOG 213161 NCDOT-GREENVILLE.GPJ CATLIN.GDT 6/11/14

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

William J. Miller
Well Contractor Name

2927A
NC Well Contractor Certification Number

87-TMW-01
Well Identification

CATLIN Engineers and Scientists
Company Name

2. Well Construction Permit #: N/A
List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Municipal/Public
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Residential Water Supply (single)
- ☐ Industrial/Commercial
- ☐ Residential Water Supply (shared)
- ☐ Irrigation

Non-Water Supply Well:
- ■ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Groundwater Remediation
- ☐ Aquifer Storage and Recovery
- ☐ Salinity Barrier
- ☐ Aquifer Test
- ☐ Stormwater Drainage
- ☐ Experimental Technology
- ☐ Subsidence Control
- ☐ Geothermal (Closed Loop)
- ☐ Tracer
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 3/27/2014

5a. Well Location:

Former Bobby Bowden Property
Facility/Owner Name

N/A
Facility ID# (if applicable)

921 Dickinson Ave., Greenville 27834
Physical Address, City, and Zip

Pitt
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.6075828 N -77.3792829 W

6. Is (are) the well(s): ☐ **Permanent** or ■ **Temporary**

7. Is this a repair to an existing well: ☐ **Yes** or ■ **No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1
*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 8.5 (ft.)
For multiple wells list all depths if different (example - 3@200' and 2@100')

10. Static water level below top of casing: 7.48 (ft.)
If water level is above use "+"

11. Borehole diameter: 3 (in.)

12. Well construction method: Hand Auger
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm): _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	3.5 ft.	1 in.	Sch. 40	PVC
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
3.5 ft.	8.4 ft.	1 in.	Slot .010	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
ft.	ft.		
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
ft.	ft.	Natural Backfill	Not Applicable
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

SEE ATTACHED

21. REMARKS

Temporary well.

22. Certification:

Signature of Certified Well Contractor — Date: 6/17/14

By signing this form I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 2C Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit one copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:
Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

William J. Miller
Well Contractor Name (or well owner personally abandoning well on his/her property)

2927A
NC Well Contractor Certification Number

CATLIN Engineers and Scientists
Company Name

2. Well Construction Permit #: N/A
List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Municipal/Public
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Residential Water Supply (single)
- ☐ Industrial/Commercial
- ☐ Residential Water Supply (shared)
- ☐ Irrigation

Non-Water Supply Well:
- ■ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Groundwater Remediation
- ☐ Aquifer Storage and Recovery
- ☐ Salinity Barrier
- ☐ Aquifer Test
- ☐ Stormwater Drainage
- ☐ Experimental Technology
- ☐ Subsidence Control
- ☐ Geothermal (Closed Loop)
- ☐ Tracer
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Other (explain under 7g)

4. Date well(s) abandoned: 3/28/2014

5a. Well Location:

Former Bobby Bowden Property
Facility/Owner Name

N/A
Facility ID# (if applicable)

921 Dickinson Ave., Greenville 27834
Physical Address, City, and Zip

Pitt
County

Unknown
Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.6075828 N -77.3792829 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED
*Attach well construction record(s) if available. For multiple injection or non-water supply well **ONLY** with the same construction abandonment, you can submit one form*

6a. Well ID#: 87-TMW-01

6b. Total well depth: 8.5 (ft.)

6c. Borehole diameter: 3 (in.)

6d. Water level below ground surface: 7.48 (ft.)

6e. Outer casing length (if known): Not Applicable

6f. Inner casing/tubing length (if known): 3.5 (ft.)

6g. Screen length (if known): 4.9 (ft)

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1
*For multiple injection or non-water supply wells **ONLY** with the same construction/abandonment, you can submit one form.*

7b. Approximate volume of water remaining in well(s): N/A (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: N/A

7d. Amount of disinfectant used: N/A

7e. Sealing materials used (check all that apply):
- ☐ Neat Cement Grout
- ■ Bentonite Chips or Pellets
- ☐ Sand Cement Grout
- ☐ Dry Clay
- ☐ Concrete Grout
- ☐ Drill Cuttings
- ☐ Specialty Grout
- ☐ Gravel
- ☐ Bentonite Slurry
- ☐ Other (explain under 7g)

7f. For each material selected above, provide amount of materials used:

15 lbs. of Bentonite Pellets

7g. Provide a brief description of the abandonment procedure:

All material removed from boring then hole backfilled to land surface with bentonite pellets and hydrated.

8. Certification:

Signature of Certified Well Contractor or Well Owner — Date: 6/12/14

By signing this form I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit, 1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program, 1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

APPENDIX C

LABORATORY REPORT AND CHAIN OF CUSTODY RECORD

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

April 14, 2014

Ben Ashba
CATLIN Engineers & Scientists, Inc.
220 Old Dairy Road
Wilmington, NC 28405

RE: Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Dear Ben Ashba:
Enclosed are the analytical results for sample(s) received by the laboratory on March 29, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
Project Manager

Enclosures

cc: Chemical Testing Engineer, NCDOT
Rick Garrett, CATLIN Engineers and Scientists

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92195246001	**87-HA-01 (1')**	Solid	03/27/14 13:30	03/29/14 09:30
92195246002	**87-HA-01 (3.5')**	Solid	03/27/14 13:35	03/29/14 09:30
92195246003	**87-HA-02**	Solid	03/27/14 13:45	03/29/14 09:30
92195246004	**87-HA-03**	Solid	03/27/14 13:50	03/29/14 09:30
92195246005	**87-HA-04**	Solid	03/27/14 14:00	03/29/14 09:30
92195246006	**87-HA-05**	Solid	03/27/14 14:05	03/29/14 09:30
92195246007	**87-HA-06**	Solid	03/27/14 14:10	03/29/14 09:30
92195246008	**87-HA-07**	Solid	03/27/14 14:15	03/29/14 09:30
92195246009	**87-HA-08 (1')**	Solid	03/27/14 14:20	03/29/14 09:30
92195246010	**87-HA-08 (4')**	Solid	03/27/14 14:30	03/29/14 09:30
92195246011	**87-HA-09 (2')**	Solid	03/27/14 14:35	03/29/14 09:30
92195246012	**87-TMW-01**	Water	03/28/14 09:30	03/29/14 09:30

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92195246001	**87-HA-01 (1')**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246002	**87-HA-01 (3.5')**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246003	**87-HA-02**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246004	**87-HA-03**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246005	**87-HA-04**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246006	**87-HA-05**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246007	**87-HA-06**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246008	**87-HA-07**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246009	**87-HA-08 (1')**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246010	**87-HA-08 (4')**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246011	**87-HA-09 (2')**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92195246012	**87-TMW-01**	EPA 8270	RES	74	PASI-C
		EPA 8260	CAH	63	PASI-C

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-01 (1') **Lab ID: 92195246001** Collected: 03/27/14 13:30 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	371	85.5	1	03/30/14 16:38	04/10/14 13:28	83-32-9	
Acenaphthylene	ND	ug/kg	371	87.7	1	03/30/14 16:38	04/10/14 13:28	208-96-8	
Aniline	ND	ug/kg	371	100	1	03/30/14 16:38	04/10/14 13:28	62-53-3	
Anthracene	ND	ug/kg	371	83.2	1	03/30/14 16:38	04/10/14 13:28	120-12-7	
Benzo(a)anthracene	ND	ug/kg	371	68.6	1	03/30/14 16:38	04/10/14 13:28	56-55-3	
Benzo(a)pyrene	ND	ug/kg	371	70.9	1	03/30/14 16:38	04/10/14 13:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	371	64.1	1	03/30/14 16:38	04/10/14 13:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	371	94.5	1	03/30/14 16:38	04/10/14 13:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	371	73.1	1	03/30/14 16:38	04/10/14 13:28	207-08-9	
Benzoic Acid	ND	ug/kg	1860	67.5	1	03/30/14 16:38	04/10/14 13:28	65-85-0	
Benzyl alcohol	ND	ug/kg	742	74.2	1	03/30/14 16:38	04/10/14 13:28	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	371	67.5	1	03/30/14 16:38	04/10/14 13:28	101-55-3	
Butylbenzylphthalate	ND	ug/kg	371	78.7	1	03/30/14 16:38	04/10/14 13:28	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	742	76.5	1	03/30/14 16:38	04/10/14 13:28	59-50-7	
4-Chloroaniline	ND	ug/kg	1860	103	1	03/30/14 16:38	04/10/14 13:28	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	371	86.6	1	03/30/14 16:38	04/10/14 13:28	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	371	94.5	1	03/30/14 16:38	04/10/14 13:28	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	371	99.0	1	03/30/14 16:38	04/10/14 13:28	108-60-1	
2-Chloronaphthalene	ND	ug/kg	371	73.1	1	03/30/14 16:38	04/10/14 13:28	91-58-7	
2-Chlorophenol	ND	ug/kg	371	101	1	03/30/14 16:38	04/10/14 13:28	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	371	76.5	1	03/30/14 16:38	04/10/14 13:28	7005-72-3	
Chrysene	ND	ug/kg	371	49.5	1	03/30/14 16:38	04/10/14 13:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	371	78.7	1	03/30/14 16:38	04/10/14 13:28	53-70-3	
Dibenzofuran	ND	ug/kg	371	60.7	1	03/30/14 16:38	04/10/14 13:28	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	371	99.0	1	03/30/14 16:38	04/10/14 13:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	371	84.3	1	03/30/14 16:38	04/10/14 13:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	371	105	1	03/30/14 16:38	04/10/14 13:28	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1860	81.0	1	03/30/14 16:38	04/10/14 13:28	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	371	81.0	1	03/30/14 16:38	04/10/14 13:28	120-83-2	
Diethylphthalate	ND	ug/kg	371	57.4	1	03/30/14 16:38	04/10/14 13:28	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	371	146	1	03/30/14 16:38	04/10/14 13:28	105-67-9	
Dimethylphthalate	ND	ug/kg	371	75.4	1	03/30/14 16:38	04/10/14 13:28	131-11-3	
Di-n-butylphthalate	ND	ug/kg	371	60.7	1	03/30/14 16:38	04/10/14 13:28	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	742	74.2	1	03/30/14 16:38	04/10/14 13:28	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	60.7	1	03/30/14 16:38	04/10/14 13:28	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	371	69.7	1	03/30/14 16:38	04/10/14 13:28	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	371	77.6	1	03/30/14 16:38	04/10/14 13:28	606-20-2	
Di-n-octylphthalate	ND	ug/kg	371	77.6	1	03/30/14 16:38	04/10/14 13:28	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	371	101	1	03/30/14 16:38	04/10/14 13:28	117-81-7	
Fluoranthene	ND	ug/kg	371	54.0	1	03/30/14 16:38	04/10/14 13:28	206-44-0	
Fluorene	ND	ug/kg	371	76.5	1	03/30/14 16:38	04/10/14 13:28	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	371	64.1	1	03/30/14 16:38	04/10/14 13:28	87-68-3	
Hexachlorobenzene	ND	ug/kg	371	47.2	1	03/30/14 16:38	04/10/14 13:28	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	371	68.6	1	03/30/14 16:38	04/10/14 13:28	77-47-4	
Hexachloroethane	ND	ug/kg	371	97.8	1	03/30/14 16:38	04/10/14 13:28	67-72-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-01 (1') **Lab ID: 92195246001** Collected: 03/27/14 13:30 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	371	76.5	1	03/30/14 16:38	04/10/14 13:28	193-39-5	
Isophorone	ND	ug/kg	371	83.2	1	03/30/14 16:38	04/10/14 13:28	78-59-1	
1-Methylnaphthalene	ND	ug/kg	371	96.7	1	03/30/14 16:38	04/10/14 13:28	90-12-0	
2-Methylnaphthalene	ND	ug/kg	371	79.9	1	03/30/14 16:38	04/10/14 13:28	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	371	112	1	03/30/14 16:38	04/10/14 13:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	371	146	1	03/30/14 16:38	04/10/14 13:28		
Naphthalene	ND	ug/kg	371	91.1	1	03/30/14 16:38	04/10/14 13:28	91-20-3	
2-Nitroaniline	ND	ug/kg	1860	115	1	03/30/14 16:38	04/10/14 13:28	88-74-4	
3-Nitroaniline	ND	ug/kg	1860	101	1	03/30/14 16:38	04/10/14 13:28	99-09-2	
4-Nitroaniline	ND	ug/kg	742	105	1	03/30/14 16:38	04/10/14 13:28	100-01-6	
Nitrobenzene	ND	ug/kg	371	101	1	03/30/14 16:38	04/10/14 13:28	98-95-3	
2-Nitrophenol	ND	ug/kg	371	90.0	1	03/30/14 16:38	04/10/14 13:28	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	66.4	1	03/30/14 16:38	04/10/14 13:28	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	371	120	1	03/30/14 16:38	04/10/14 13:28	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	371	70.9	1	03/30/14 16:38	04/10/14 13:28	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	371	110	1	03/30/14 16:38	04/10/14 13:28	86-30-6	
Pentachlorophenol	ND	ug/kg	1860	67.5	1	03/30/14 16:38	04/10/14 13:28	87-86-5	
Phenanthrene	ND	ug/kg	371	61.9	1	03/30/14 16:38	04/10/14 13:28	85-01-8	
Phenol	ND	ug/kg	371	111	1	03/30/14 16:38	04/10/14 13:28	108-95-2	
Pyrene	ND	ug/kg	371	63.0	1	03/30/14 16:38	04/10/14 13:28	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	371	72.0	1	03/30/14 16:38	04/10/14 13:28	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	371	115	1	03/30/14 16:38	04/10/14 13:28	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	371	82.1	1	03/30/14 16:38	04/10/14 13:28	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	35	%	23-110		1	03/30/14 16:38	04/10/14 13:28	4165-60-0	
2-Fluorobiphenyl (S)	39	%	30-110		1	03/30/14 16:38	04/10/14 13:28	321-60-8	
Terphenyl-d14 (S)	56	%	28-110		1	03/30/14 16:38	04/10/14 13:28	1718-51-0	
Phenol-d6 (S)	37	%	22-110		1	03/30/14 16:38	04/10/14 13:28	13127-88-3	
2-Fluorophenol (S)	35	%	13-110		1	03/30/14 16:38	04/10/14 13:28	367-12-4	
2,4,6-Tribromophenol (S)	52	%	27-110		1	03/30/14 16:38	04/10/14 13:28	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**87.5J**	ug/kg	98.7	9.9	1		04/09/14 16:23	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1		04/09/14 16:23	71-43-2	
Bromobenzene	ND	ug/kg	4.9	2.0	1		04/09/14 16:23	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		04/09/14 16:23	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.9	1		04/09/14 16:23	75-27-4	
Bromoform	ND	ug/kg	4.9	2.3	1		04/09/14 16:23	75-25-2	
Bromomethane	ND	ug/kg	9.9	2.5	1		04/09/14 16:23	74-83-9	
2-Butanone (MEK)	ND	ug/kg	98.7	2.9	1		04/09/14 16:23	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1.6	1		04/09/14 16:23	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	2.0	1		04/09/14 16:23	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	2.6	1		04/09/14 16:23	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.9	1		04/09/14 16:23	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-01 (1') **Lab ID: 92195246001** Collected: 03/27/14 13:30 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	9.9	2.4	1		04/09/14 16:23	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		04/09/14 16:23	67-66-3	
Chloromethane	ND	ug/kg	9.9	2.4	1		04/09/14 16:23	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1.7	1		04/09/14 16:23	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.6	1		04/09/14 16:23	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	106-93-4	
Dibromomethane	ND	ug/kg	4.9	2.5	1		04/09/14 16:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		04/09/14 16:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	2.0	1		04/09/14 16:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		04/09/14 16:23	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.9	3.6	1		04/09/14 16:23	75-71-8	IO
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		04/09/14 16:23	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.2	1		04/09/14 16:23	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		04/09/14 16:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.9	1		04/09/14 16:23	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/09/14 16:23	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1.9	1		04/09/14 16:23	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/09/14 16:23	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/09/14 16:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/09/14 16:23	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1.7	1		04/09/14 16:23	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	2.0	1		04/09/14 16:23	87-68-3	
2-Hexanone	ND	ug/kg	49.3	3.8	1		04/09/14 16:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.9	1		04/09/14 16:23	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1.7	1		04/09/14 16:23	99-87-6	
Methylene Chloride	**3.4J**	ug/kg	19.7	3.0	1		04/09/14 16:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.3	3.7	1		04/09/14 16:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		04/09/14 16:23	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1.2	1		04/09/14 16:23	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1.7	1		04/09/14 16:23	103-65-1	
Styrene	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	2.1	1		04/09/14 16:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.9	1		04/09/14 16:23	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		04/09/14 16:23	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.2	1		04/09/14 16:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		04/09/14 16:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.1	1		04/09/14 16:23	79-00-5	
Trichloroethene	ND	ug/kg	4.9	2.1	1		04/09/14 16:23	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-01 (1') **Lab ID: 92195246001** Collected: 03/27/14 13:30 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	4.9	2.2	1		04/09/14 16:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1.6	1		04/09/14 16:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	2.0	1		04/09/14 16:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:23	108-67-8	
Vinyl acetate	ND	ug/kg	49.3	8.7	1		04/09/14 16:23	108-05-4	
Vinyl chloride	ND	ug/kg	9.9	1.8	1		04/09/14 16:23	75-01-4	
Xylene (Total)	ND	ug/kg	9.9	3.6	1		04/09/14 16:23	1330-20-7	
m&p-Xylene	ND	ug/kg	9.9	3.6	1		04/09/14 16:23	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.9	1		04/09/14 16:23	95-47-6	
Surrogates									
Toluene-d8 (S)	92	%	70-130		1		04/09/14 16:23	2037-26-5	
4-Bromofluorobenzene (S)	82	%	70-130		1		04/09/14 16:23	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-132		1		04/09/14 16:23	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.1**	%	0.10	0.10	1		04/01/14 14:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-01 (3.5') **Lab ID: 92195246002** Collected: 03/27/14 13:35 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	345	79.3	1	03/30/14 16:38	04/10/14 13:56	83-32-9	
Acenaphthylene	ND	ug/kg	345	81.4	1	03/30/14 16:38	04/10/14 13:56	208-96-8	
Aniline	ND	ug/kg	345	92.9	1	03/30/14 16:38	04/10/14 13:56	62-53-3	
Anthracene	ND	ug/kg	345	77.3	1	03/30/14 16:38	04/10/14 13:56	120-12-7	
Benzo(a)anthracene	ND	ug/kg	345	63.7	1	03/30/14 16:38	04/10/14 13:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	345	65.8	1	03/30/14 16:38	04/10/14 13:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	345	59.5	1	03/30/14 16:38	04/10/14 13:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	345	87.7	1	03/30/14 16:38	04/10/14 13:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	345	67.9	1	03/30/14 16:38	04/10/14 13:56	207-08-9	
Benzoic Acid	ND	ug/kg	1720	62.6	1	03/30/14 16:38	04/10/14 13:56	65-85-0	
Benzyl alcohol	ND	ug/kg	689	68.9	1	03/30/14 16:38	04/10/14 13:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	345	62.6	1	03/30/14 16:38	04/10/14 13:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	345	73.1	1	03/30/14 16:38	04/10/14 13:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	689	71.0	1	03/30/14 16:38	04/10/14 13:56	59-50-7	
4-Chloroaniline	ND	ug/kg	1720	96.1	1	03/30/14 16:38	04/10/14 13:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	345	80.4	1	03/30/14 16:38	04/10/14 13:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	345	87.7	1	03/30/14 16:38	04/10/14 13:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	345	91.9	1	03/30/14 16:38	04/10/14 13:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	345	67.9	1	03/30/14 16:38	04/10/14 13:56	91-58-7	
2-Chlorophenol	ND	ug/kg	345	94.0	1	03/30/14 16:38	04/10/14 13:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	345	71.0	1	03/30/14 16:38	04/10/14 13:56	7005-72-3	
Chrysene	ND	ug/kg	345	45.9	1	03/30/14 16:38	04/10/14 13:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	345	73.1	1	03/30/14 16:38	04/10/14 13:56	53-70-3	
Dibenzofuran	ND	ug/kg	345	56.4	1	03/30/14 16:38	04/10/14 13:56	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	345	91.9	1	03/30/14 16:38	04/10/14 13:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	345	78.3	1	03/30/14 16:38	04/10/14 13:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	345	97.1	1	03/30/14 16:38	04/10/14 13:56	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1720	75.2	1	03/30/14 16:38	04/10/14 13:56	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	345	75.2	1	03/30/14 16:38	04/10/14 13:56	120-83-2	
Diethylphthalate	ND	ug/kg	345	53.2	1	03/30/14 16:38	04/10/14 13:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	345	136	1	03/30/14 16:38	04/10/14 13:56	105-67-9	
Dimethylphthalate	ND	ug/kg	345	70.0	1	03/30/14 16:38	04/10/14 13:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	345	56.4	1	03/30/14 16:38	04/10/14 13:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	689	68.9	1	03/30/14 16:38	04/10/14 13:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1720	56.4	1	03/30/14 16:38	04/10/14 13:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	345	64.7	1	03/30/14 16:38	04/10/14 13:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	345	72.0	1	03/30/14 16:38	04/10/14 13:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	345	72.0	1	03/30/14 16:38	04/10/14 13:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	345	94.0	1	03/30/14 16:38	04/10/14 13:56	117-81-7	
Fluoranthene	ND	ug/kg	345	50.1	1	03/30/14 16:38	04/10/14 13:56	206-44-0	
Fluorene	ND	ug/kg	345	71.0	1	03/30/14 16:38	04/10/14 13:56	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	345	59.5	1	03/30/14 16:38	04/10/14 13:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	345	43.8	1	03/30/14 16:38	04/10/14 13:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	345	63.7	1	03/30/14 16:38	04/10/14 13:56	77-47-4	
Hexachloroethane	ND	ug/kg	345	90.8	1	03/30/14 16:38	04/10/14 13:56	67-72-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-01 (3.5') **Lab ID: 92195246002** Collected: 03/27/14 13:35 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	345	71.0	1	03/30/14 16:38	04/10/14 13:56	193-39-5	
Isophorone	ND	ug/kg	345	77.3	1	03/30/14 16:38	04/10/14 13:56	78-59-1	
1-Methylnaphthalene	ND	ug/kg	345	89.8	1	03/30/14 16:38	04/10/14 13:56	90-12-0	
2-Methylnaphthalene	ND	ug/kg	345	74.1	1	03/30/14 16:38	04/10/14 13:56	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	345	104	1	03/30/14 16:38	04/10/14 13:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	345	136	1	03/30/14 16:38	04/10/14 13:56		
Naphthalene	ND	ug/kg	345	84.6	1	03/30/14 16:38	04/10/14 13:56	91-20-3	
2-Nitroaniline	ND	ug/kg	1720	106	1	03/30/14 16:38	04/10/14 13:56	88-74-4	
3-Nitroaniline	ND	ug/kg	1720	94.0	1	03/30/14 16:38	04/10/14 13:56	99-09-2	
4-Nitroaniline	ND	ug/kg	689	97.1	1	03/30/14 16:38	04/10/14 13:56	100-01-6	
Nitrobenzene	ND	ug/kg	345	94.0	1	03/30/14 16:38	04/10/14 13:56	98-95-3	
2-Nitrophenol	ND	ug/kg	345	83.5	1	03/30/14 16:38	04/10/14 13:56	88-75-5	
4-Nitrophenol	ND	ug/kg	1720	61.6	1	03/30/14 16:38	04/10/14 13:56	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	345	112	1	03/30/14 16:38	04/10/14 13:56	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	345	65.8	1	03/30/14 16:38	04/10/14 13:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	345	102	1	03/30/14 16:38	04/10/14 13:56	86-30-6	
Pentachlorophenol	ND	ug/kg	1720	62.6	1	03/30/14 16:38	04/10/14 13:56	87-86-5	
Phenanthrene	ND	ug/kg	345	57.4	1	03/30/14 16:38	04/10/14 13:56	85-01-8	
Phenol	ND	ug/kg	345	103	1	03/30/14 16:38	04/10/14 13:56	108-95-2	
Pyrene	ND	ug/kg	345	58.5	1	03/30/14 16:38	04/10/14 13:56	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	345	66.8	1	03/30/14 16:38	04/10/14 13:56	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	345	106	1	03/30/14 16:38	04/10/14 13:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	345	76.2	1	03/30/14 16:38	04/10/14 13:56	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	46	%	23-110		1	03/30/14 16:38	04/10/14 13:56	4165-60-0	
2-Fluorobiphenyl (S)	38	%	30-110		1	03/30/14 16:38	04/10/14 13:56	321-60-8	
Terphenyl-d14 (S)	52	%	28-110		1	03/30/14 16:38	04/10/14 13:56	1718-51-0	
Phenol-d6 (S)	46	%	22-110		1	03/30/14 16:38	04/10/14 13:56	13127-88-3	
2-Fluorophenol (S)	46	%	13-110		1	03/30/14 16:38	04/10/14 13:56	367-12-4	
2,4,6-Tribromophenol (S)	48	%	27-110		1	03/30/14 16:38	04/10/14 13:56	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**19.0J**	ug/kg	114	11.4	1		04/09/14 13:25	67-64-1	
Benzene	ND	ug/kg	5.7	1.8	1		04/09/14 13:25	71-43-2	
Bromobenzene	ND	ug/kg	5.7	2.3	1		04/09/14 13:25	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	1.9	1		04/09/14 13:25	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	2.2	1		04/09/14 13:25	75-27-4	
Bromoform	ND	ug/kg	5.7	2.6	1		04/09/14 13:25	75-25-2	
Bromomethane	ND	ug/kg	11.4	2.9	1		04/09/14 13:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	114	3.3	1		04/09/14 13:25	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	1.8	1		04/09/14 13:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.7	2.3	1		04/09/14 13:25	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.7	3.0	1		04/09/14 13:25	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	2.2	1		04/09/14 13:25	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-01 (3.5') **Lab ID: 92195246002** Collected: 03/27/14 13:35 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	11.4	2.7	1		04/09/14 13:25	75-00-3	
Chloroform	ND	ug/kg	5.7	1.8	1		04/09/14 13:25	67-66-3	
Chloromethane	ND	ug/kg	11.4	2.7	1		04/09/14 13:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	1.9	1		04/09/14 13:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	4.1	1		04/09/14 13:25	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	106-93-4	
Dibromomethane	ND	ug/kg	5.7	2.9	1		04/09/14 13:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	2.2	1		04/09/14 13:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	2.3	1		04/09/14 13:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1.9	1		04/09/14 13:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.4	4.1	1		04/09/14 13:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1.7	1		04/09/14 13:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	2.5	1		04/09/14 13:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1.6	1		04/09/14 13:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	2.2	1		04/09/14 13:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1.9	1		04/09/14 13:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	2.2	1		04/09/14 13:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	1.9	1		04/09/14 13:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.7	1.7	1		04/09/14 13:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1.7	1		04/09/14 13:25	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.7	1.9	1		04/09/14 13:25	108-20-3	
Ethylbenzene	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	2.3	1		04/09/14 13:25	87-68-3	
2-Hexanone	ND	ug/kg	57.1	4.5	1		04/09/14 13:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	2.2	1		04/09/14 13:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	1.9	1		04/09/14 13:25	99-87-6	
Methylene Chloride	ND	ug/kg	22.8	3.4	1		04/09/14 13:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	57.1	4.2	1		04/09/14 13:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1.7	1		04/09/14 13:25	1634-04-4	
Naphthalene	ND	ug/kg	5.7	1.4	1		04/09/14 13:25	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	1.9	1		04/09/14 13:25	103-65-1	
Styrene	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	2.4	1		04/09/14 13:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	2.2	1		04/09/14 13:25	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1.9	1		04/09/14 13:25	127-18-4	
Toluene	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	2.5	1		04/09/14 13:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1.8	1		04/09/14 13:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	2.4	1		04/09/14 13:25	79-00-5	
Trichloroethene	ND	ug/kg	5.7	2.4	1		04/09/14 13:25	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-01 (3.5') **Lab ID: 92195246002** Collected: 03/27/14 13:35 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	5.7	2.5	1		04/09/14 13:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	1.8	1		04/09/14 13:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	2.3	1		04/09/14 13:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	2.1	1		04/09/14 13:25	108-67-8	
Vinyl acetate	ND	ug/kg	57.1	10.1	1		04/09/14 13:25	108-05-4	
Vinyl chloride	ND	ug/kg	11.4	2.1	1		04/09/14 13:25	75-01-4	
Xylene (Total)	ND	ug/kg	11.4	4.1	1		04/09/14 13:25	1330-20-7	
m&p-Xylene	ND	ug/kg	11.4	4.1	1		04/09/14 13:25	179601-23-1	
o-Xylene	ND	ug/kg	5.7	2.2	1		04/09/14 13:25	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		04/09/14 13:25	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		04/09/14 13:25	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-132		1		04/09/14 13:25	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.2**	%	0.10	0.10	1		04/01/14 14:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-02 **Lab ID: 92195246003** Collected: 03/27/14 13:45 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	351	80.7	1	03/30/14 16:38	04/10/14 14:25	83-32-9	
Acenaphthylene	ND	ug/kg	351	82.9	1	03/30/14 16:38	04/10/14 14:25	208-96-8	
Aniline	ND	ug/kg	351	94.6	1	03/30/14 16:38	04/10/14 14:25	62-53-3	
Anthracene	ND	ug/kg	351	78.6	1	03/30/14 16:38	04/10/14 14:25	120-12-7	
Benzo(a)anthracene	ND	ug/kg	351	64.8	1	03/30/14 16:38	04/10/14 14:25	56-55-3	
Benzo(a)pyrene	ND	ug/kg	351	66.9	1	03/30/14 16:38	04/10/14 14:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	351	60.6	1	03/30/14 16:38	04/10/14 14:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	351	89.2	1	03/30/14 16:38	04/10/14 14:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	351	69.1	1	03/30/14 16:38	04/10/14 14:25	207-08-9	
Benzoic Acid	ND	ug/kg	1750	63.7	1	03/30/14 16:38	04/10/14 14:25	65-85-0	
Benzyl alcohol	ND	ug/kg	701	70.1	1	03/30/14 16:38	04/10/14 14:25	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	351	63.7	1	03/30/14 16:38	04/10/14 14:25	101-55-3	
Butylbenzylphthalate	ND	ug/kg	351	74.4	1	03/30/14 16:38	04/10/14 14:25	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	701	72.2	1	03/30/14 16:38	04/10/14 14:25	59-50-7	
4-Chloroaniline	ND	ug/kg	1750	97.7	1	03/30/14 16:38	04/10/14 14:25	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	351	81.8	1	03/30/14 16:38	04/10/14 14:25	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	351	89.2	1	03/30/14 16:38	04/10/14 14:25	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	351	93.5	1	03/30/14 16:38	04/10/14 14:25	108-60-1	
2-Chloronaphthalene	ND	ug/kg	351	69.1	1	03/30/14 16:38	04/10/14 14:25	91-58-7	
2-Chlorophenol	ND	ug/kg	351	95.6	1	03/30/14 16:38	04/10/14 14:25	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	351	72.2	1	03/30/14 16:38	04/10/14 14:25	7005-72-3	
Chrysene	ND	ug/kg	351	46.7	1	03/30/14 16:38	04/10/14 14:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	351	74.4	1	03/30/14 16:38	04/10/14 14:25	53-70-3	
Dibenzofuran	ND	ug/kg	351	57.4	1	03/30/14 16:38	04/10/14 14:25	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	351	93.5	1	03/30/14 16:38	04/10/14 14:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	351	79.7	1	03/30/14 16:38	04/10/14 14:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	351	98.8	1	03/30/14 16:38	04/10/14 14:25	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1750	76.5	1	03/30/14 16:38	04/10/14 14:25	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	351	76.5	1	03/30/14 16:38	04/10/14 14:25	120-83-2	
Diethylphthalate	ND	ug/kg	351	54.2	1	03/30/14 16:38	04/10/14 14:25	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	351	138	1	03/30/14 16:38	04/10/14 14:25	105-67-9	
Dimethylphthalate	ND	ug/kg	351	71.2	1	03/30/14 16:38	04/10/14 14:25	131-11-3	
Di-n-butylphthalate	ND	ug/kg	351	57.4	1	03/30/14 16:38	04/10/14 14:25	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	701	70.1	1	03/30/14 16:38	04/10/14 14:25	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1750	57.4	1	03/30/14 16:38	04/10/14 14:25	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	351	65.9	1	03/30/14 16:38	04/10/14 14:25	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	351	73.3	1	03/30/14 16:38	04/10/14 14:25	606-20-2	
Di-n-octylphthalate	ND	ug/kg	351	73.3	1	03/30/14 16:38	04/10/14 14:25	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	351	95.6	1	03/30/14 16:38	04/10/14 14:25	117-81-7	
Fluoranthene	ND	ug/kg	351	51.0	1	03/30/14 16:38	04/10/14 14:25	206-44-0	
Fluorene	ND	ug/kg	351	72.2	1	03/30/14 16:38	04/10/14 14:25	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	351	60.6	1	03/30/14 16:38	04/10/14 14:25	87-68-3	
Hexachlorobenzene	ND	ug/kg	351	44.6	1	03/30/14 16:38	04/10/14 14:25	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	351	64.8	1	03/30/14 16:38	04/10/14 14:25	77-47-4	
Hexachloroethane	ND	ug/kg	351	92.4	1	03/30/14 16:38	04/10/14 14:25	67-72-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-02 **Lab ID: 92195246003** Collected: 03/27/14 13:45 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	351	72.2	1	03/30/14 16:38	04/10/14 14:25	193-39-5	
Isophorone	ND	ug/kg	351	78.6	1	03/30/14 16:38	04/10/14 14:25	78-59-1	
1-Methylnaphthalene	ND	ug/kg	351	91.4	1	03/30/14 16:38	04/10/14 14:25	90-12-0	
2-Methylnaphthalene	ND	ug/kg	351	75.4	1	03/30/14 16:38	04/10/14 14:25	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	351	106	1	03/30/14 16:38	04/10/14 14:25	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	351	138	1	03/30/14 16:38	04/10/14 14:25		
Naphthalene	ND	ug/kg	351	86.1	1	03/30/14 16:38	04/10/14 14:25	91-20-3	
2-Nitroaniline	ND	ug/kg	1750	108	1	03/30/14 16:38	04/10/14 14:25	88-74-4	
3-Nitroaniline	ND	ug/kg	1750	95.6	1	03/30/14 16:38	04/10/14 14:25	99-09-2	
4-Nitroaniline	ND	ug/kg	701	98.8	1	03/30/14 16:38	04/10/14 14:25	100-01-6	
Nitrobenzene	ND	ug/kg	351	95.6	1	03/30/14 16:38	04/10/14 14:25	98-95-3	
2-Nitrophenol	ND	ug/kg	351	85.0	1	03/30/14 16:38	04/10/14 14:25	88-75-5	
4-Nitrophenol	ND	ug/kg	1750	62.7	1	03/30/14 16:38	04/10/14 14:25	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	351	114	1	03/30/14 16:38	04/10/14 14:25	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	351	66.9	1	03/30/14 16:38	04/10/14 14:25	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	351	104	1	03/30/14 16:38	04/10/14 14:25	86-30-6	
Pentachlorophenol	ND	ug/kg	1750	63.7	1	03/30/14 16:38	04/10/14 14:25	87-86-5	
Phenanthrene	ND	ug/kg	351	58.4	1	03/30/14 16:38	04/10/14 14:25	85-01-8	
Phenol	ND	ug/kg	351	105	1	03/30/14 16:38	04/10/14 14:25	108-95-2	
Pyrene	ND	ug/kg	351	59.5	1	03/30/14 16:38	04/10/14 14:25	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	351	68.0	1	03/30/14 16:38	04/10/14 14:25	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	351	108	1	03/30/14 16:38	04/10/14 14:25	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	351	77.6	1	03/30/14 16:38	04/10/14 14:25	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	36	%	23-110		1	03/30/14 16:38	04/10/14 14:25	4165-60-0	
2-Fluorobiphenyl (S)	35	%	30-110		1	03/30/14 16:38	04/10/14 14:25	321-60-8	
Terphenyl-d14 (S)	53	%	28-110		1	03/30/14 16:38	04/10/14 14:25	1718-51-0	
Phenol-d6 (S)	37	%	22-110		1	03/30/14 16:38	04/10/14 14:25	13127-88-3	
2-Fluorophenol (S)	37	%	13-110		1	03/30/14 16:38	04/10/14 14:25	367-12-4	
2,4,6-Tribromophenol (S)	36	%	27-110		1	03/30/14 16:38	04/10/14 14:25	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**53.4J**	ug/kg	143	14.3	1		04/09/14 14:04	67-64-1	
Benzene	ND	ug/kg	7.2	2.3	1		04/09/14 14:04	71-43-2	
Bromobenzene	ND	ug/kg	7.2	2.9	1		04/09/14 14:04	108-86-1	
Bromochloromethane	ND	ug/kg	7.2	2.4	1		04/09/14 14:04	74-97-5	
Bromodichloromethane	ND	ug/kg	7.2	2.7	1		04/09/14 14:04	75-27-4	
Bromoform	ND	ug/kg	7.2	3.3	1		04/09/14 14:04	75-25-2	
Bromomethane	ND	ug/kg	14.3	3.6	1		04/09/14 14:04	74-83-9	
2-Butanone (MEK)	ND	ug/kg	143	4.2	1		04/09/14 14:04	78-93-3	
n-Butylbenzene	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.2	2.3	1		04/09/14 14:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.2	2.9	1		04/09/14 14:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	7.2	3.7	1		04/09/14 14:04	56-23-5	
Chlorobenzene	ND	ug/kg	7.2	2.7	1		04/09/14 14:04	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-02 **Lab ID: 92195246003** Collected: 03/27/14 13:45 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	14.3	3.4	1		04/09/14 14:04	75-00-3	
Chloroform	ND	ug/kg	7.2	2.3	1		04/09/14 14:04	67-66-3	
Chloromethane	ND	ug/kg	14.3	3.4	1		04/09/14 14:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.2	2.4	1		04/09/14 14:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.2	5.2	1		04/09/14 14:04	96-12-8	
Dibromochloromethane	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	106-93-4	
Dibromomethane	ND	ug/kg	7.2	3.6	1		04/09/14 14:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.2	2.7	1		04/09/14 14:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.2	2.9	1		04/09/14 14:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.2	2.4	1		04/09/14 14:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.3	5.2	1		04/09/14 14:04	75-71-8	1g
1,1-Dichloroethane	ND	ug/kg	7.2	2.1	1		04/09/14 14:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.2	3.1	1		04/09/14 14:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.2	2.0	1		04/09/14 14:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.2	2.7	1		04/09/14 14:04	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.2	2.4	1		04/09/14 14:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.2	2.7	1		04/09/14 14:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.2	2.4	1		04/09/14 14:04	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.2	2.1	1		04/09/14 14:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.2	2.1	1		04/09/14 14:04	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.2	2.4	1		04/09/14 14:04	108-20-3	
Ethylbenzene	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	7.2	2.9	1		04/09/14 14:04	87-68-3	
2-Hexanone	ND	ug/kg	71.6	5.6	1		04/09/14 14:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.2	2.7	1		04/09/14 14:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.2	2.4	1		04/09/14 14:04	99-87-6	
Methylene Chloride	ND	ug/kg	28.6	4.3	1		04/09/14 14:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	71.6	5.3	1		04/09/14 14:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.2	2.1	1		04/09/14 14:04	1634-04-4	
Naphthalene	ND	ug/kg	7.2	1.7	1		04/09/14 14:04	91-20-3	
n-Propylbenzene	ND	ug/kg	7.2	2.4	1		04/09/14 14:04	103-65-1	
Styrene	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.2	3.0	1		04/09/14 14:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.2	2.7	1		04/09/14 14:04	79-34-5	
Tetrachloroethene	ND	ug/kg	7.2	2.4	1		04/09/14 14:04	127-18-4	
Toluene	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.2	3.1	1		04/09/14 14:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.2	2.3	1		04/09/14 14:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.2	3.0	1		04/09/14 14:04	79-00-5	
Trichloroethene	ND	ug/kg	7.2	3.0	1		04/09/14 14:04	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-02 **Lab ID: 92195246003** Collected: 03/27/14 13:45 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	7.2	3.1	1		04/09/14 14:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.2	2.3	1		04/09/14 14:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.2	2.9	1		04/09/14 14:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.2	2.6	1		04/09/14 14:04	108-67-8	
Vinyl acetate	ND	ug/kg	71.6	12.6	1		04/09/14 14:04	108-05-4	
Vinyl chloride	ND	ug/kg	14.3	2.6	1		04/09/14 14:04	75-01-4	
Xylene (Total)	ND	ug/kg	14.3	5.2	1		04/09/14 14:04	1330-20-7	
m&p-Xylene	ND	ug/kg	14.3	5.2	1		04/09/14 14:04	179601-23-1	
o-Xylene	ND	ug/kg	7.2	2.7	1		04/09/14 14:04	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		04/09/14 14:04	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		04/09/14 14:04	460-00-4	
1,2-Dichloroethane-d4 (S)	137	%	70-132		1		04/09/14 14:04	17060-07-0	S3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.9**	%	0.10	0.10	1		04/01/14 14:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-03 **Lab ID: 92195246004** Collected: 03/27/14 13:50 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**90.8J**	ug/kg	377	86.7	1	03/30/14 16:38	04/10/14 14:53	83-32-9	
Acenaphthylene	ND	ug/kg	377	89.0	1	03/30/14 16:38	04/10/14 14:53	208-96-8	
Aniline	ND	ug/kg	377	102	1	03/30/14 16:38	04/10/14 14:53	62-53-3	
Anthracene	**178J**	ug/kg	377	84.5	1	03/30/14 16:38	04/10/14 14:53	120-12-7	
Benzo(a)anthracene	**442**	ug/kg	377	69.6	1	03/30/14 16:38	04/10/14 14:53	56-55-3	
Benzo(a)pyrene	**443**	ug/kg	377	71.9	1	03/30/14 16:38	04/10/14 14:53	50-32-8	
Benzo(b)fluoranthene	**300J**	ug/kg	377	65.1	1	03/30/14 16:38	04/10/14 14:53	205-99-2	
Benzo(g,h,i)perylene	**288J**	ug/kg	377	95.9	1	03/30/14 16:38	04/10/14 14:53	191-24-2	
Benzo(k)fluoranthene	**321J**	ug/kg	377	74.2	1	03/30/14 16:38	04/10/14 14:53	207-08-9	
Benzoic Acid	ND	ug/kg	1880	68.5	1	03/30/14 16:38	04/10/14 14:53	65-85-0	
Benzyl alcohol	ND	ug/kg	753	75.3	1	03/30/14 16:38	04/10/14 14:53	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	68.5	1	03/30/14 16:38	04/10/14 14:53	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	79.9	1	03/30/14 16:38	04/10/14 14:53	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	753	77.6	1	03/30/14 16:38	04/10/14 14:53	59-50-7	
4-Chloroaniline	ND	ug/kg	1880	105	1	03/30/14 16:38	04/10/14 14:53	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	87.9	1	03/30/14 16:38	04/10/14 14:53	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	95.9	1	03/30/14 16:38	04/10/14 14:53	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	377	100	1	03/30/14 16:38	04/10/14 14:53	108-60-1	
2-Chloronaphthalene	ND	ug/kg	377	74.2	1	03/30/14 16:38	04/10/14 14:53	91-58-7	
2-Chlorophenol	ND	ug/kg	377	103	1	03/30/14 16:38	04/10/14 14:53	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	77.6	1	03/30/14 16:38	04/10/14 14:53	7005-72-3	
Chrysene	**536**	ug/kg	377	50.2	1	03/30/14 16:38	04/10/14 14:53	218-01-9	
Dibenz(a,h)anthracene	**95.6J**	ug/kg	377	79.9	1	03/30/14 16:38	04/10/14 14:53	53-70-3	
Dibenzofuran	ND	ug/kg	377	61.6	1	03/30/14 16:38	04/10/14 14:53	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	377	100	1	03/30/14 16:38	04/10/14 14:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	377	85.6	1	03/30/14 16:38	04/10/14 14:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	377	106	1	03/30/14 16:38	04/10/14 14:53	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1880	82.2	1	03/30/14 16:38	04/10/14 14:53	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	377	82.2	1	03/30/14 16:38	04/10/14 14:53	120-83-2	
Diethylphthalate	ND	ug/kg	377	58.2	1	03/30/14 16:38	04/10/14 14:53	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	377	148	1	03/30/14 16:38	04/10/14 14:53	105-67-9	
Dimethylphthalate	ND	ug/kg	377	76.5	1	03/30/14 16:38	04/10/14 14:53	131-11-3	
Di-n-butylphthalate	ND	ug/kg	377	61.6	1	03/30/14 16:38	04/10/14 14:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	753	75.3	1	03/30/14 16:38	04/10/14 14:53	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1880	61.6	1	03/30/14 16:38	04/10/14 14:53	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	70.8	1	03/30/14 16:38	04/10/14 14:53	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	377	78.7	1	03/30/14 16:38	04/10/14 14:53	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	78.7	1	03/30/14 16:38	04/10/14 14:53	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	103	1	03/30/14 16:38	04/10/14 14:53	117-81-7	
Fluoranthene	**1180**	ug/kg	377	54.8	1	03/30/14 16:38	04/10/14 14:53	206-44-0	
Fluorene	ND	ug/kg	377	77.6	1	03/30/14 16:38	04/10/14 14:53	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	377	65.1	1	03/30/14 16:38	04/10/14 14:53	87-68-3	
Hexachlorobenzene	ND	ug/kg	377	47.9	1	03/30/14 16:38	04/10/14 14:53	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	377	69.6	1	03/30/14 16:38	04/10/14 14:53	77-47-4	
Hexachloroethane	ND	ug/kg	377	99.3	1	03/30/14 16:38	04/10/14 14:53	67-72-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-03 **Lab ID: 92195246004** Collected: 03/27/14 13:50 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	**220J**	ug/kg	377	77.6	1	03/30/14 16:38	04/10/14 14:53	193-39-5	
Isophorone	ND	ug/kg	377	84.5	1	03/30/14 16:38	04/10/14 14:53	78-59-1	
1-Methylnaphthalene	ND	ug/kg	377	98.1	1	03/30/14 16:38	04/10/14 14:53	90-12-0	
2-Methylnaphthalene	ND	ug/kg	377	81.0	1	03/30/14 16:38	04/10/14 14:53	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	114	1	03/30/14 16:38	04/10/14 14:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	377	148	1	03/30/14 16:38	04/10/14 14:53		
Naphthalene	ND	ug/kg	377	92.4	1	03/30/14 16:38	04/10/14 14:53	91-20-3	
2-Nitroaniline	ND	ug/kg	1880	116	1	03/30/14 16:38	04/10/14 14:53	88-74-4	
3-Nitroaniline	ND	ug/kg	1880	103	1	03/30/14 16:38	04/10/14 14:53	99-09-2	
4-Nitroaniline	ND	ug/kg	753	106	1	03/30/14 16:38	04/10/14 14:53	100-01-6	
Nitrobenzene	ND	ug/kg	377	103	1	03/30/14 16:38	04/10/14 14:53	98-95-3	
2-Nitrophenol	ND	ug/kg	377	91.3	1	03/30/14 16:38	04/10/14 14:53	88-75-5	
4-Nitrophenol	ND	ug/kg	1880	67.3	1	03/30/14 16:38	04/10/14 14:53	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	377	122	1	03/30/14 16:38	04/10/14 14:53	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	71.9	1	03/30/14 16:38	04/10/14 14:53	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	112	1	03/30/14 16:38	04/10/14 14:53	86-30-6	
Pentachlorophenol	ND	ug/kg	1880	68.5	1	03/30/14 16:38	04/10/14 14:53	87-86-5	
Phenanthrene	**1080**	ug/kg	377	62.8	1	03/30/14 16:38	04/10/14 14:53	85-01-8	
Phenol	ND	ug/kg	377	113	1	03/30/14 16:38	04/10/14 14:53	108-95-2	
Pyrene	**1230**	ug/kg	377	63.9	1	03/30/14 16:38	04/10/14 14:53	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	377	73.0	1	03/30/14 16:38	04/10/14 14:53	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	377	116	1	03/30/14 16:38	04/10/14 14:53	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	83.3	1	03/30/14 16:38	04/10/14 14:53	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	42	%	23-110		1	03/30/14 16:38	04/10/14 14:53	4165-60-0	
2-Fluorobiphenyl (S)	41	%	30-110		1	03/30/14 16:38	04/10/14 14:53	321-60-8	
Terphenyl-d14 (S)	48	%	28-110		1	03/30/14 16:38	04/10/14 14:53	1718-51-0	
Phenol-d6 (S)	31	%	22-110		1	03/30/14 16:38	04/10/14 14:53	13127-88-3	
2-Fluorophenol (S)	30	%	13-110		1	03/30/14 16:38	04/10/14 14:53	367-12-4	
2,4,6-Tribromophenol (S)	44	%	27-110		1	03/30/14 16:38	04/10/14 14:53	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**48.1J**	ug/kg	111	11.1	1		04/09/14 14:44	67-64-1	
Benzene	ND	ug/kg	5.5	1.8	1		04/09/14 14:44	71-43-2	
Bromobenzene	ND	ug/kg	5.5	2.2	1		04/09/14 14:44	108-86-1	
Bromochloromethane	ND	ug/kg	5.5	1.9	1		04/09/14 14:44	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	2.1	1		04/09/14 14:44	75-27-4	
Bromoform	ND	ug/kg	5.5	2.5	1		04/09/14 14:44	75-25-2	
Bromomethane	ND	ug/kg	11.1	2.8	1		04/09/14 14:44	74-83-9	
2-Butanone (MEK)	ND	ug/kg	111	3.2	1		04/09/14 14:44	78-93-3	
n-Butylbenzene	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.5	1.8	1		04/09/14 14:44	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.5	2.2	1		04/09/14 14:44	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.5	2.9	1		04/09/14 14:44	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	2.1	1		04/09/14 14:44	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-03 **Lab ID: 92195246004** Collected: 03/27/14 13:50 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	11.1	2.7	1		04/09/14 14:44	75-00-3	
Chloroform	ND	ug/kg	5.5	1.8	1		04/09/14 14:44	67-66-3	
Chloromethane	ND	ug/kg	11.1	2.7	1		04/09/14 14:44	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.5	1.9	1		04/09/14 14:44	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	4.0	1		04/09/14 14:44	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	106-93-4	
Dibromomethane	ND	ug/kg	5.5	2.8	1		04/09/14 14:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.5	2.1	1		04/09/14 14:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	2.2	1		04/09/14 14:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1.9	1		04/09/14 14:44	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.1	4.0	1		04/09/14 14:44	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1.7	1		04/09/14 14:44	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	2.4	1		04/09/14 14:44	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1.5	1		04/09/14 14:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	2.1	1		04/09/14 14:44	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1.9	1		04/09/14 14:44	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.5	2.1	1		04/09/14 14:44	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.5	1.9	1		04/09/14 14:44	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.5	1.7	1		04/09/14 14:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1.7	1		04/09/14 14:44	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.5	1.9	1		04/09/14 14:44	108-20-3	
Ethylbenzene	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.5	2.2	1		04/09/14 14:44	87-68-3	
2-Hexanone	ND	ug/kg	55.3	4.3	1		04/09/14 14:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	2.1	1		04/09/14 14:44	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.5	1.9	1		04/09/14 14:44	99-87-6	
Methylene Chloride	ND	ug/kg	22.1	3.3	1		04/09/14 14:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.3	4.1	1		04/09/14 14:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1.7	1		04/09/14 14:44	1634-04-4	
Naphthalene	ND	ug/kg	5.5	1.3	1		04/09/14 14:44	91-20-3	
n-Propylbenzene	ND	ug/kg	5.5	1.9	1		04/09/14 14:44	103-65-1	
Styrene	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.5	2.3	1		04/09/14 14:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	2.1	1		04/09/14 14:44	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1.9	1		04/09/14 14:44	127-18-4	
Toluene	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	2.4	1		04/09/14 14:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1.8	1		04/09/14 14:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	2.3	1		04/09/14 14:44	79-00-5	
Trichloroethene	ND	ug/kg	5.5	2.3	1		04/09/14 14:44	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-03 **Lab ID: 92195246004** Collected: 03/27/14 13:50 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	5.5	2.4	1		04/09/14 14:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.5	1.8	1		04/09/14 14:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.5	2.2	1		04/09/14 14:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.5	2.0	1		04/09/14 14:44	108-67-8	
Vinyl acetate	ND	ug/kg	55.3	9.7	1		04/09/14 14:44	108-05-4	
Vinyl chloride	ND	ug/kg	11.1	2.0	1		04/09/14 14:44	75-01-4	
Xylene (Total)	ND	ug/kg	11.1	4.0	1		04/09/14 14:44	1330-20-7	
m&p-Xylene	ND	ug/kg	11.1	4.0	1		04/09/14 14:44	179601-23-1	
o-Xylene	ND	ug/kg	5.5	2.1	1		04/09/14 14:44	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		04/09/14 14:44	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		04/09/14 14:44	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-132		1		04/09/14 14:44	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.4**	%	0.10	0.10	1		04/01/14 14:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-04 **Lab ID: 92195246005** Collected: 03/27/14 14:00 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	376	86.7	1	03/30/14 16:38	04/10/14 15:22	83-32-9	
Acenaphthylene	ND	ug/kg	376	89.0	1	03/30/14 16:38	04/10/14 15:22	208-96-8	
Aniline	ND	ug/kg	376	102	1	03/30/14 16:38	04/10/14 15:22	62-53-3	
Anthracene	ND	ug/kg	376	84.4	1	03/30/14 16:38	04/10/14 15:22	120-12-7	
Benzo(a)anthracene	**321J**	ug/kg	376	69.6	1	03/30/14 16:38	04/10/14 15:22	56-55-3	
Benzo(a)pyrene	**373J**	ug/kg	376	71.9	1	03/30/14 16:38	04/10/14 15:22	50-32-8	
Benzo(b)fluoranthene	**331J**	ug/kg	376	65.0	1	03/30/14 16:38	04/10/14 15:22	205-99-2	
Benzo(g,h,i)perylene	**260J**	ug/kg	376	95.8	1	03/30/14 16:38	04/10/14 15:22	191-24-2	
Benzo(k)fluoranthene	**323J**	ug/kg	376	74.2	1	03/30/14 16:38	04/10/14 15:22	207-08-9	
Benzoic Acid	ND	ug/kg	1880	68.4	1	03/30/14 16:38	04/10/14 15:22	65-85-0	
Benzyl alcohol	ND	ug/kg	753	75.3	1	03/30/14 16:38	04/10/14 15:22	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	376	68.4	1	03/30/14 16:38	04/10/14 15:22	101-55-3	
Butylbenzylphthalate	ND	ug/kg	376	79.9	1	03/30/14 16:38	04/10/14 15:22	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	753	77.6	1	03/30/14 16:38	04/10/14 15:22	59-50-7	
4-Chloroaniline	ND	ug/kg	1880	105	1	03/30/14 16:38	04/10/14 15:22	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	376	87.8	1	03/30/14 16:38	04/10/14 15:22	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	376	95.8	1	03/30/14 16:38	04/10/14 15:22	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	376	100	1	03/30/14 16:38	04/10/14 15:22	108-60-1	
2-Chloronaphthalene	ND	ug/kg	376	74.2	1	03/30/14 16:38	04/10/14 15:22	91-58-7	
2-Chlorophenol	ND	ug/kg	376	103	1	03/30/14 16:38	04/10/14 15:22	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	376	77.6	1	03/30/14 16:38	04/10/14 15:22	7005-72-3	
Chrysene	**436**	ug/kg	376	50.2	1	03/30/14 16:38	04/10/14 15:22	218-01-9	
Dibenz(a,h)anthracene	**96.3J**	ug/kg	376	79.9	1	03/30/14 16:38	04/10/14 15:22	53-70-3	
Dibenzofuran	ND	ug/kg	376	61.6	1	03/30/14 16:38	04/10/14 15:22	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	376	100	1	03/30/14 16:38	04/10/14 15:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	376	85.6	1	03/30/14 16:38	04/10/14 15:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	376	106	1	03/30/14 16:38	04/10/14 15:22	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1880	82.1	1	03/30/14 16:38	04/10/14 15:22	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	376	82.1	1	03/30/14 16:38	04/10/14 15:22	120-83-2	
Diethylphthalate	ND	ug/kg	376	58.2	1	03/30/14 16:38	04/10/14 15:22	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	376	148	1	03/30/14 16:38	04/10/14 15:22	105-67-9	
Dimethylphthalate	ND	ug/kg	376	76.4	1	03/30/14 16:38	04/10/14 15:22	131-11-3	
Di-n-butylphthalate	ND	ug/kg	376	61.6	1	03/30/14 16:38	04/10/14 15:22	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	753	75.3	1	03/30/14 16:38	04/10/14 15:22	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1880	61.6	1	03/30/14 16:38	04/10/14 15:22	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	376	70.7	1	03/30/14 16:38	04/10/14 15:22	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	376	78.7	1	03/30/14 16:38	04/10/14 15:22	606-20-2	
Di-n-octylphthalate	ND	ug/kg	376	78.7	1	03/30/14 16:38	04/10/14 15:22	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	376	103	1	03/30/14 16:38	04/10/14 15:22	117-81-7	
Fluoranthene	**586**	ug/kg	376	54.8	1	03/30/14 16:38	04/10/14 15:22	206-44-0	
Fluorene	ND	ug/kg	376	77.6	1	03/30/14 16:38	04/10/14 15:22	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	376	65.0	1	03/30/14 16:38	04/10/14 15:22	87-68-3	
Hexachlorobenzene	ND	ug/kg	376	47.9	1	03/30/14 16:38	04/10/14 15:22	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	376	69.6	1	03/30/14 16:38	04/10/14 15:22	77-47-4	
Hexachloroethane	ND	ug/kg	376	99.2	1	03/30/14 16:38	04/10/14 15:22	67-72-1	

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-04 **Lab ID: 92195246005** Collected: 03/27/14 14:00 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	**230J**	ug/kg	376	77.6	1	03/30/14 16:38	04/10/14 15:22	193-39-5	
Isophorone	ND	ug/kg	376	84.4	1	03/30/14 16:38	04/10/14 15:22	78-59-1	
1-Methylnaphthalene	ND	ug/kg	376	98.1	1	03/30/14 16:38	04/10/14 15:22	90-12-0	
2-Methylnaphthalene	ND	ug/kg	376	81.0	1	03/30/14 16:38	04/10/14 15:22	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	376	114	1	03/30/14 16:38	04/10/14 15:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	376	148	1	03/30/14 16:38	04/10/14 15:22		
Naphthalene	ND	ug/kg	376	92.4	1	03/30/14 16:38	04/10/14 15:22	91-20-3	
2-Nitroaniline	ND	ug/kg	1880	116	1	03/30/14 16:38	04/10/14 15:22	88-74-4	
3-Nitroaniline	ND	ug/kg	1880	103	1	03/30/14 16:38	04/10/14 15:22	99-09-2	
4-Nitroaniline	ND	ug/kg	753	106	1	03/30/14 16:38	04/10/14 15:22	100-01-6	
Nitrobenzene	ND	ug/kg	376	103	1	03/30/14 16:38	04/10/14 15:22	98-95-3	
2-Nitrophenol	ND	ug/kg	376	91.3	1	03/30/14 16:38	04/10/14 15:22	88-75-5	
4-Nitrophenol	ND	ug/kg	1880	67.3	1	03/30/14 16:38	04/10/14 15:22	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	376	122	1	03/30/14 16:38	04/10/14 15:22	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	376	71.9	1	03/30/14 16:38	04/10/14 15:22	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	376	112	1	03/30/14 16:38	04/10/14 15:22	86-30-6	
Pentachlorophenol	ND	ug/kg	1880	68.4	1	03/30/14 16:38	04/10/14 15:22	87-86-5	
Phenanthrene	**255J**	ug/kg	376	62.7	1	03/30/14 16:38	04/10/14 15:22	85-01-8	
Phenol	ND	ug/kg	376	113	1	03/30/14 16:38	04/10/14 15:22	108-95-2	
Pyrene	**549**	ug/kg	376	63.9	1	03/30/14 16:38	04/10/14 15:22	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	376	73.0	1	03/30/14 16:38	04/10/14 15:22	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	376	116	1	03/30/14 16:38	04/10/14 15:22	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	376	83.3	1	03/30/14 16:38	04/10/14 15:22	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	43	%	23-110		1	03/30/14 16:38	04/10/14 15:22	4165-60-0	
2-Fluorobiphenyl (S)	41	%	30-110		1	03/30/14 16:38	04/10/14 15:22	321-60-8	
Terphenyl-d14 (S)	72	%	28-110		1	03/30/14 16:38	04/10/14 15:22	1718-51-0	
Phenol-d6 (S)	43	%	22-110		1	03/30/14 16:38	04/10/14 15:22	13127-88-3	
2-Fluorophenol (S)	44	%	13-110		1	03/30/14 16:38	04/10/14 15:22	367-12-4	
2,4,6-Tribromophenol (S)	65	%	27-110		1	03/30/14 16:38	04/10/14 15:22	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**40.0J**	ug/kg	98.0	9.8	1		04/09/14 15:23	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1		04/09/14 15:23	71-43-2	
Bromobenzene	ND	ug/kg	4.9	2.0	1		04/09/14 15:23	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		04/09/14 15:23	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.9	1		04/09/14 15:23	75-27-4	
Bromoform	ND	ug/kg	4.9	2.3	1		04/09/14 15:23	75-25-2	
Bromomethane	ND	ug/kg	9.8	2.5	1		04/09/14 15:23	74-83-9	
2-Butanone (MEK)	ND	ug/kg	98.0	2.8	1		04/09/14 15:23	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1.6	1		04/09/14 15:23	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	2.0	1		04/09/14 15:23	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	2.5	1		04/09/14 15:23	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.9	1		04/09/14 15:23	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-04 **Lab ID: 92195246005** Collected: 03/27/14 14:00 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	9.8	2.4	1		04/09/14 15:23	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		04/09/14 15:23	67-66-3	
Chloromethane	ND	ug/kg	9.8	2.4	1		04/09/14 15:23	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1.7	1		04/09/14 15:23	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		04/09/14 15:23	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	106-93-4	
Dibromomethane	ND	ug/kg	4.9	2.5	1		04/09/14 15:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		04/09/14 15:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	2.0	1		04/09/14 15:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		04/09/14 15:23	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	3.5	1		04/09/14 15:23	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		04/09/14 15:23	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.2	1		04/09/14 15:23	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		04/09/14 15:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.9	1		04/09/14 15:23	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/09/14 15:23	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1.9	1		04/09/14 15:23	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/09/14 15:23	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/09/14 15:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/09/14 15:23	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1.7	1		04/09/14 15:23	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	2.0	1		04/09/14 15:23	87-68-3	
2-Hexanone	ND	ug/kg	49.0	3.8	1		04/09/14 15:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.9	1		04/09/14 15:23	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1.7	1		04/09/14 15:23	99-87-6	
Methylene Chloride	ND	ug/kg	19.6	2.9	1		04/09/14 15:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.0	3.6	1		04/09/14 15:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		04/09/14 15:23	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1.2	1		04/09/14 15:23	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1.7	1		04/09/14 15:23	103-65-1	
Styrene	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	2.1	1		04/09/14 15:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.9	1		04/09/14 15:23	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		04/09/14 15:23	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.2	1		04/09/14 15:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		04/09/14 15:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.1	1		04/09/14 15:23	79-00-5	
Trichloroethene	ND	ug/kg	4.9	2.1	1		04/09/14 15:23	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-04 **Lab ID: 92195246005** Collected: 03/27/14 14:00 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	4.9	2.2	1		04/09/14 15:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1.6	1		04/09/14 15:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	2.0	1		04/09/14 15:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 15:23	108-67-8	
Vinyl acetate	ND	ug/kg	49.0	8.6	1		04/09/14 15:23	108-05-4	
Vinyl chloride	ND	ug/kg	9.8	1.8	1		04/09/14 15:23	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	3.5	1		04/09/14 15:23	1330-20-7	
m&p-Xylene	ND	ug/kg	9.8	3.5	1		04/09/14 15:23	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.9	1		04/09/14 15:23	95-47-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		1		04/09/14 15:23	2037-26-5	
4-Bromofluorobenzene (S)	83	%	70-130		1		04/09/14 15:23	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70-132		1		04/09/14 15:23	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.3**	%	0.10	0.10	1		04/01/14 14:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-05 **Lab ID: 92195246006** Collected: 03/27/14 14:05 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	374	86.1	1	03/30/14 16:38	04/10/14 15:50	83-32-9	
Acenaphthylene	ND	ug/kg	374	88.4	1	03/30/14 16:38	04/10/14 15:50	208-96-8	
Aniline	ND	ug/kg	374	101	1	03/30/14 16:38	04/10/14 15:50	62-53-3	
Anthracene	ND	ug/kg	374	83.9	1	03/30/14 16:38	04/10/14 15:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	374	69.1	1	03/30/14 16:38	04/10/14 15:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	374	71.4	1	03/30/14 16:38	04/10/14 15:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	374	64.6	1	03/30/14 16:38	04/10/14 15:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	374	95.2	1	03/30/14 16:38	04/10/14 15:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	374	73.7	1	03/30/14 16:38	04/10/14 15:50	207-08-9	
Benzoic Acid	ND	ug/kg	1870	68.0	1	03/30/14 16:38	04/10/14 15:50	65-85-0	
Benzyl alcohol	ND	ug/kg	748	74.8	1	03/30/14 16:38	04/10/14 15:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	374	68.0	1	03/30/14 16:38	04/10/14 15:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	374	79.3	1	03/30/14 16:38	04/10/14 15:50	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	748	77.1	1	03/30/14 16:38	04/10/14 15:50	59-50-7	
4-Chloroaniline	ND	ug/kg	1870	104	1	03/30/14 16:38	04/10/14 15:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	374	87.3	1	03/30/14 16:38	04/10/14 15:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	374	95.2	1	03/30/14 16:38	04/10/14 15:50	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	374	99.7	1	03/30/14 16:38	04/10/14 15:50	108-60-1	
2-Chloronaphthalene	ND	ug/kg	374	73.7	1	03/30/14 16:38	04/10/14 15:50	91-58-7	
2-Chlorophenol	ND	ug/kg	374	102	1	03/30/14 16:38	04/10/14 15:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	374	77.1	1	03/30/14 16:38	04/10/14 15:50	7005-72-3	
Chrysene	ND	ug/kg	374	49.9	1	03/30/14 16:38	04/10/14 15:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	374	79.3	1	03/30/14 16:38	04/10/14 15:50	53-70-3	
Dibenzofuran	ND	ug/kg	374	61.2	1	03/30/14 16:38	04/10/14 15:50	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	374	99.7	1	03/30/14 16:38	04/10/14 15:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	374	85.0	1	03/30/14 16:38	04/10/14 15:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	374	105	1	03/30/14 16:38	04/10/14 15:50	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1870	81.6	1	03/30/14 16:38	04/10/14 15:50	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	374	81.6	1	03/30/14 16:38	04/10/14 15:50	120-83-2	
Diethylphthalate	ND	ug/kg	374	57.8	1	03/30/14 16:38	04/10/14 15:50	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	374	147	1	03/30/14 16:38	04/10/14 15:50	105-67-9	
Dimethylphthalate	ND	ug/kg	374	75.9	1	03/30/14 16:38	04/10/14 15:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	374	61.2	1	03/30/14 16:38	04/10/14 15:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	748	74.8	1	03/30/14 16:38	04/10/14 15:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1870	61.2	1	03/30/14 16:38	04/10/14 15:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	374	70.3	1	03/30/14 16:38	04/10/14 15:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	374	78.2	1	03/30/14 16:38	04/10/14 15:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	374	78.2	1	03/30/14 16:38	04/10/14 15:50	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	374	102	1	03/30/14 16:38	04/10/14 15:50	117-81-7	
Fluoranthene	ND	ug/kg	374	54.4	1	03/30/14 16:38	04/10/14 15:50	206-44-0	
Fluorene	ND	ug/kg	374	77.1	1	03/30/14 16:38	04/10/14 15:50	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	374	64.6	1	03/30/14 16:38	04/10/14 15:50	87-68-3	
Hexachlorobenzene	ND	ug/kg	374	47.6	1	03/30/14 16:38	04/10/14 15:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	374	69.1	1	03/30/14 16:38	04/10/14 15:50	77-47-4	
Hexachloroethane	ND	ug/kg	374	98.6	1	03/30/14 16:38	04/10/14 15:50	67-72-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-05 **Lab ID: 92195246006** Collected: 03/27/14 14:05 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	374	77.1	1	03/30/14 16:38	04/10/14 15:50	193-39-5	
Isophorone	ND	ug/kg	374	83.9	1	03/30/14 16:38	04/10/14 15:50	78-59-1	
1-Methylnaphthalene	ND	ug/kg	374	97.5	1	03/30/14 16:38	04/10/14 15:50	90-12-0	
2-Methylnaphthalene	ND	ug/kg	374	80.5	1	03/30/14 16:38	04/10/14 15:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	374	113	1	03/30/14 16:38	04/10/14 15:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	374	147	1	03/30/14 16:38	04/10/14 15:50		
Naphthalene	ND	ug/kg	374	91.8	1	03/30/14 16:38	04/10/14 15:50	91-20-3	
2-Nitroaniline	ND	ug/kg	1870	116	1	03/30/14 16:38	04/10/14 15:50	88-74-4	
3-Nitroaniline	ND	ug/kg	1870	102	1	03/30/14 16:38	04/10/14 15:50	99-09-2	
4-Nitroaniline	ND	ug/kg	748	105	1	03/30/14 16:38	04/10/14 15:50	100-01-6	
Nitrobenzene	ND	ug/kg	374	102	1	03/30/14 16:38	04/10/14 15:50	98-95-3	
2-Nitrophenol	ND	ug/kg	374	90.7	1	03/30/14 16:38	04/10/14 15:50	88-75-5	
4-Nitrophenol	ND	ug/kg	1870	66.9	1	03/30/14 16:38	04/10/14 15:50	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	374	121	1	03/30/14 16:38	04/10/14 15:50	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	374	71.4	1	03/30/14 16:38	04/10/14 15:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	374	111	1	03/30/14 16:38	04/10/14 15:50	86-30-6	
Pentachlorophenol	ND	ug/kg	1870	68.0	1	03/30/14 16:38	04/10/14 15:50	87-86-5	
Phenanthrene	ND	ug/kg	374	62.3	1	03/30/14 16:38	04/10/14 15:50	85-01-8	
Phenol	ND	ug/kg	374	112	1	03/30/14 16:38	04/10/14 15:50	108-95-2	
Pyrene	ND	ug/kg	374	63.5	1	03/30/14 16:38	04/10/14 15:50	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	374	72.5	1	03/30/14 16:38	04/10/14 15:50	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	374	116	1	03/30/14 16:38	04/10/14 15:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	374	82.7	1	03/30/14 16:38	04/10/14 15:50	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	43	%	23-110		1	03/30/14 16:38	04/10/14 15:50	4165-60-0	
2-Fluorobiphenyl (S)	42	%	30-110		1	03/30/14 16:38	04/10/14 15:50	321-60-8	
Terphenyl-d14 (S)	58	%	28-110		1	03/30/14 16:38	04/10/14 15:50	1718-51-0	
Phenol-d6 (S)	44	%	22-110		1	03/30/14 16:38	04/10/14 15:50	13127-88-3	
2-Fluorophenol (S)	40	%	13-110		1	03/30/14 16:38	04/10/14 15:50	367-12-4	
2,4,6-Tribromophenol (S)	61	%	27-110		1	03/30/14 16:38	04/10/14 15:50	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**23.2J**	ug/kg	97.4	9.7	1		04/09/14 16:03	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1		04/09/14 16:03	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1.9	1		04/09/14 16:03	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		04/09/14 16:03	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	75-27-4	
Bromoform	ND	ug/kg	4.9	2.2	1		04/09/14 16:03	75-25-2	
Bromomethane	ND	ug/kg	9.7	2.4	1		04/09/14 16:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.4	2.8	1		04/09/14 16:03	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1.6	1		04/09/14 16:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1.9	1		04/09/14 16:03	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	2.5	1		04/09/14 16:03	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-05 **Lab ID: 92195246006** Collected: 03/27/14 14:05 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	9.7	2.3	1		04/09/14 16:03	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		04/09/14 16:03	67-66-3	
Chloromethane	ND	ug/kg	9.7	2.3	1		04/09/14 16:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1.7	1		04/09/14 16:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		04/09/14 16:03	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	106-93-4	
Dibromomethane	ND	ug/kg	4.9	2.4	1		04/09/14 16:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		04/09/14 16:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		04/09/14 16:03	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.7	3.5	1		04/09/14 16:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		04/09/14 16:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.1	1		04/09/14 16:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		04/09/14 16:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/09/14 16:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/09/14 16:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/09/14 16:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/09/14 16:03	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1.7	1		04/09/14 16:03	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1.9	1		04/09/14 16:03	87-68-3	
2-Hexanone	ND	ug/kg	48.7	3.8	1		04/09/14 16:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1.7	1		04/09/14 16:03	99-87-6	
Methylene Chloride	ND	ug/kg	19.5	2.9	1		04/09/14 16:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.7	3.6	1		04/09/14 16:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		04/09/14 16:03	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1.2	1		04/09/14 16:03	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1.7	1		04/09/14 16:03	103-65-1	
Styrene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	2.0	1		04/09/14 16:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		04/09/14 16:03	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.1	1		04/09/14 16:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		04/09/14 16:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.0	1		04/09/14 16:03	79-00-5	
Trichloroethene	ND	ug/kg	4.9	2.0	1		04/09/14 16:03	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-05 **Lab ID: 92195246006** Collected: 03/27/14 14:05 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	4.9	2.1	1		04/09/14 16:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1.6	1		04/09/14 16:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1.9	1		04/09/14 16:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	108-67-8	
Vinyl acetate	ND	ug/kg	48.7	8.6	1		04/09/14 16:03	108-05-4	
Vinyl chloride	ND	ug/kg	9.7	1.8	1		04/09/14 16:03	75-01-4	
Xylene (Total)	ND	ug/kg	9.7	3.5	1		04/09/14 16:03	1330-20-7	
m&p-Xylene	ND	ug/kg	9.7	3.5	1		04/09/14 16:03	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.8	1		04/09/14 16:03	95-47-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		1		04/09/14 16:03	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		04/09/14 16:03	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-132		1		04/09/14 16:03	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.8**	%	0.10	0.10	1		04/01/14 14:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-06 **Lab ID: 92195246007** Collected: 03/27/14 14:10 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	362	83.3	1	03/30/14 16:38	04/10/14 16:18	83-32-9	
Acenaphthylene	ND	ug/kg	362	85.5	1	03/30/14 16:38	04/10/14 16:18	208-96-8	
Aniline	ND	ug/kg	362	97.5	1	03/30/14 16:38	04/10/14 16:18	62-53-3	
Anthracene	ND	ug/kg	362	81.1	1	03/30/14 16:38	04/10/14 16:18	120-12-7	
Benzo(a)anthracene	**84.4J**	ug/kg	362	66.8	1	03/30/14 16:38	04/10/14 16:18	56-55-3	
Benzo(a)pyrene	**88.8J**	ug/kg	362	69.0	1	03/30/14 16:38	04/10/14 16:18	50-32-8	
Benzo(b)fluoranthene	**93.8J**	ug/kg	362	62.5	1	03/30/14 16:38	04/10/14 16:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	362	92.0	1	03/30/14 16:38	04/10/14 16:18	191-24-2	
Benzo(k)fluoranthene	**71.6J**	ug/kg	362	71.2	1	03/30/14 16:38	04/10/14 16:18	207-08-9	
Benzoic Acid	ND	ug/kg	1810	65.7	1	03/30/14 16:38	04/10/14 16:18	65-85-0	
Benzyl alcohol	ND	ug/kg	723	72.3	1	03/30/14 16:38	04/10/14 16:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	362	65.7	1	03/30/14 16:38	04/10/14 16:18	101-55-3	
Butylbenzylphthalate	ND	ug/kg	362	76.7	1	03/30/14 16:38	04/10/14 16:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	723	74.5	1	03/30/14 16:38	04/10/14 16:18	59-50-7	
4-Chloroaniline	ND	ug/kg	1810	101	1	03/30/14 16:38	04/10/14 16:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	362	84.4	1	03/30/14 16:38	04/10/14 16:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	362	92.0	1	03/30/14 16:38	04/10/14 16:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	362	96.4	1	03/30/14 16:38	04/10/14 16:18	108-60-1	
2-Chloronaphthalene	ND	ug/kg	362	71.2	1	03/30/14 16:38	04/10/14 16:18	91-58-7	
2-Chlorophenol	ND	ug/kg	362	98.6	1	03/30/14 16:38	04/10/14 16:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	362	74.5	1	03/30/14 16:38	04/10/14 16:18	7005-72-3	
Chrysene	**112J**	ug/kg	362	48.2	1	03/30/14 16:38	04/10/14 16:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	362	76.7	1	03/30/14 16:38	04/10/14 16:18	53-70-3	
Dibenzofuran	ND	ug/kg	362	59.2	1	03/30/14 16:38	04/10/14 16:18	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	362	96.4	1	03/30/14 16:38	04/10/14 16:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	362	82.2	1	03/30/14 16:38	04/10/14 16:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	362	102	1	03/30/14 16:38	04/10/14 16:18	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1810	78.9	1	03/30/14 16:38	04/10/14 16:18	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	362	78.9	1	03/30/14 16:38	04/10/14 16:18	120-83-2	
Diethylphthalate	ND	ug/kg	362	55.9	1	03/30/14 16:38	04/10/14 16:18	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	362	142	1	03/30/14 16:38	04/10/14 16:18	105-67-9	
Dimethylphthalate	ND	ug/kg	362	73.4	1	03/30/14 16:38	04/10/14 16:18	131-11-3	
Di-n-butylphthalate	ND	ug/kg	362	59.2	1	03/30/14 16:38	04/10/14 16:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	723	72.3	1	03/30/14 16:38	04/10/14 16:18	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1810	59.2	1	03/30/14 16:38	04/10/14 16:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	362	67.9	1	03/30/14 16:38	04/10/14 16:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	362	75.6	1	03/30/14 16:38	04/10/14 16:18	606-20-2	
Di-n-octylphthalate	ND	ug/kg	362	75.6	1	03/30/14 16:38	04/10/14 16:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	362	98.6	1	03/30/14 16:38	04/10/14 16:18	117-81-7	
Fluoranthene	**154J**	ug/kg	362	52.6	1	03/30/14 16:38	04/10/14 16:18	206-44-0	
Fluorene	ND	ug/kg	362	74.5	1	03/30/14 16:38	04/10/14 16:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	362	62.5	1	03/30/14 16:38	04/10/14 16:18	87-68-3	
Hexachlorobenzene	ND	ug/kg	362	46.0	1	03/30/14 16:38	04/10/14 16:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	362	66.8	1	03/30/14 16:38	04/10/14 16:18	77-47-4	
Hexachloroethane	ND	ug/kg	362	95.3	1	03/30/14 16:38	04/10/14 16:18	67-72-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-06 **Lab ID: 92195246007** Collected: 03/27/14 14:10 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	362	74.5	1	03/30/14 16:38	04/10/14 16:18	193-39-5	
Isophorone	ND	ug/kg	362	81.1	1	03/30/14 16:38	04/10/14 16:18	78-59-1	
1-Methylnaphthalene	ND	ug/kg	362	94.2	1	03/30/14 16:38	04/10/14 16:18	90-12-0	
2-Methylnaphthalene	ND	ug/kg	362	77.8	1	03/30/14 16:38	04/10/14 16:18	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	362	110	1	03/30/14 16:38	04/10/14 16:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	362	142	1	03/30/14 16:38	04/10/14 16:18		
Naphthalene	ND	ug/kg	362	88.8	1	03/30/14 16:38	04/10/14 16:18	91-20-3	
2-Nitroaniline	ND	ug/kg	1810	112	1	03/30/14 16:38	04/10/14 16:18	88-74-4	
3-Nitroaniline	ND	ug/kg	1810	98.6	1	03/30/14 16:38	04/10/14 16:18	99-09-2	
4-Nitroaniline	ND	ug/kg	723	102	1	03/30/14 16:38	04/10/14 16:18	100-01-6	
Nitrobenzene	ND	ug/kg	362	98.6	1	03/30/14 16:38	04/10/14 16:18	98-95-3	
2-Nitrophenol	ND	ug/kg	362	87.7	1	03/30/14 16:38	04/10/14 16:18	88-75-5	
4-Nitrophenol	ND	ug/kg	1810	64.6	1	03/30/14 16:38	04/10/14 16:18	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	362	117	1	03/30/14 16:38	04/10/14 16:18	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	362	69.0	1	03/30/14 16:38	04/10/14 16:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	362	107	1	03/30/14 16:38	04/10/14 16:18	86-30-6	
Pentachlorophenol	ND	ug/kg	1810	65.7	1	03/30/14 16:38	04/10/14 16:18	87-86-5	
Phenanthrene	**92.4J**	ug/kg	362	60.3	1	03/30/14 16:38	04/10/14 16:18	85-01-8	
Phenol	ND	ug/kg	362	108	1	03/30/14 16:38	04/10/14 16:18	108-95-2	
Pyrene	**144J**	ug/kg	362	61.4	1	03/30/14 16:38	04/10/14 16:18	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	362	70.1	1	03/30/14 16:38	04/10/14 16:18	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	362	112	1	03/30/14 16:38	04/10/14 16:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	362	80.0	1	03/30/14 16:38	04/10/14 16:18	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%	23-110		1	03/30/14 16:38	04/10/14 16:18	4165-60-0	
2-Fluorobiphenyl (S)	60	%	30-110		1	03/30/14 16:38	04/10/14 16:18	321-60-8	
Terphenyl-d14 (S)	59	%	28-110		1	03/30/14 16:38	04/10/14 16:18	1718-51-0	
Phenol-d6 (S)	61	%	22-110		1	03/30/14 16:38	04/10/14 16:18	13127-88-3	
2-Fluorophenol (S)	62	%	13-110		1	03/30/14 16:38	04/10/14 16:18	367-12-4	
2,4,6-Tribromophenol (S)	65	%	27-110		1	03/30/14 16:38	04/10/14 16:18	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**44.9J**	ug/kg	97.3	9.7	1		04/09/14 16:43	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1		04/09/14 16:43	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1.9	1		04/09/14 16:43	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		04/09/14 16:43	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	75-27-4	
Bromoform	ND	ug/kg	4.9	2.2	1		04/09/14 16:43	75-25-2	
Bromomethane	ND	ug/kg	9.7	2.4	1		04/09/14 16:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.3	2.8	1		04/09/14 16:43	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1.6	1		04/09/14 16:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1.9	1		04/09/14 16:43	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	2.5	1		04/09/14 16:43	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-06 **Lab ID: 92195246007** Collected: 03/27/14 14:10 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	9.7	2.3	1		04/09/14 16:43	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		04/09/14 16:43	67-66-3	
Chloromethane	ND	ug/kg	9.7	2.3	1		04/09/14 16:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1.7	1		04/09/14 16:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		04/09/14 16:43	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	106-93-4	
Dibromomethane	ND	ug/kg	4.9	2.4	1		04/09/14 16:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		04/09/14 16:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		04/09/14 16:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.7	3.5	1		04/09/14 16:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		04/09/14 16:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.1	1		04/09/14 16:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		04/09/14 16:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/09/14 16:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/09/14 16:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/09/14 16:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/09/14 16:43	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1.7	1		04/09/14 16:43	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1.9	1		04/09/14 16:43	87-68-3	
2-Hexanone	ND	ug/kg	48.7	3.8	1		04/09/14 16:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1.7	1		04/09/14 16:43	99-87-6	
Methylene Chloride	ND	ug/kg	19.5	2.9	1		04/09/14 16:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.7	3.6	1		04/09/14 16:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		04/09/14 16:43	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1.2	1		04/09/14 16:43	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1.7	1		04/09/14 16:43	103-65-1	
Styrene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	2.0	1		04/09/14 16:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		04/09/14 16:43	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.1	1		04/09/14 16:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		04/09/14 16:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.0	1		04/09/14 16:43	79-00-5	
Trichloroethene	ND	ug/kg	4.9	2.0	1		04/09/14 16:43	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-06 **Lab ID: 92195246007** Collected: 03/27/14 14:10 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	4.9	2.1	1		04/09/14 16:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1.6	1		04/09/14 16:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1.9	1		04/09/14 16:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	108-67-8	
Vinyl acetate	ND	ug/kg	48.7	8.6	1		04/09/14 16:43	108-05-4	
Vinyl chloride	ND	ug/kg	9.7	1.8	1		04/09/14 16:43	75-01-4	
Xylene (Total)	ND	ug/kg	9.7	3.5	1		04/09/14 16:43	1330-20-7	
m&p-Xylene	ND	ug/kg	9.7	3.5	1		04/09/14 16:43	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.8	1		04/09/14 16:43	95-47-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		04/09/14 16:43	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		04/09/14 16:43	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-132		1		04/09/14 16:43	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.7**	%	0.10	0.10	1		04/01/14 14:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-07 **Lab ID: 92195246008** Collected: 03/27/14 14:15 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3770	869	10	03/30/14 16:38	04/10/14 16:46	83-32-9	
Acenaphthylene	ND	ug/kg	3770	891	10	03/30/14 16:38	04/10/14 16:46	208-96-8	
Aniline	ND	ug/kg	3770	1020	10	03/30/14 16:38	04/10/14 16:46	62-53-3	
Anthracene	ND	ug/kg	3770	846	10	03/30/14 16:38	04/10/14 16:46	120-12-7	
Benzo(a)anthracene	**762J**	ug/kg	3770	697	10	03/30/14 16:38	04/10/14 16:46	56-55-3	
Benzo(a)pyrene	ND	ug/kg	3770	720	10	03/30/14 16:38	04/10/14 16:46	50-32-8	
Benzo(b)fluoranthene	**745J**	ug/kg	3770	651	10	03/30/14 16:38	04/10/14 16:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3770	960	10	03/30/14 16:38	04/10/14 16:46	191-24-2	
Benzo(k)fluoranthene	**767J**	ug/kg	3770	743	10	03/30/14 16:38	04/10/14 16:46	207-08-9	
Benzoic Acid	ND	ug/kg	18900	686	10	03/30/14 16:38	04/10/14 16:46	65-85-0	
Benzyl alcohol	ND	ug/kg	7540	754	10	03/30/14 16:38	04/10/14 16:46	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3770	686	10	03/30/14 16:38	04/10/14 16:46	101-55-3	
Butylbenzylphthalate	**1060J**	ug/kg	3770	800	10	03/30/14 16:38	04/10/14 16:46	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7540	777	10	03/30/14 16:38	04/10/14 16:46	59-50-7	
4-Chloroaniline	ND	ug/kg	18900	1050	10	03/30/14 16:38	04/10/14 16:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3770	880	10	03/30/14 16:38	04/10/14 16:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3770	960	10	03/30/14 16:38	04/10/14 16:46	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3770	1010	10	03/30/14 16:38	04/10/14 16:46	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3770	743	10	03/30/14 16:38	04/10/14 16:46	91-58-7	
2-Chlorophenol	ND	ug/kg	3770	1030	10	03/30/14 16:38	04/10/14 16:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3770	777	10	03/30/14 16:38	04/10/14 16:46	7005-72-3	
Chrysene	**1220J**	ug/kg	3770	503	10	03/30/14 16:38	04/10/14 16:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	3770	800	10	03/30/14 16:38	04/10/14 16:46	53-70-3	
Dibenzofuran	ND	ug/kg	3770	617	10	03/30/14 16:38	04/10/14 16:46	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	3770	1010	10	03/30/14 16:38	04/10/14 16:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3770	857	10	03/30/14 16:38	04/10/14 16:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3770	1060	10	03/30/14 16:38	04/10/14 16:46	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	18900	823	10	03/30/14 16:38	04/10/14 16:46	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	3770	823	10	03/30/14 16:38	04/10/14 16:46	120-83-2	
Diethylphthalate	ND	ug/kg	3770	583	10	03/30/14 16:38	04/10/14 16:46	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3770	1490	10	03/30/14 16:38	04/10/14 16:46	105-67-9	
Dimethylphthalate	ND	ug/kg	3770	766	10	03/30/14 16:38	04/10/14 16:46	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3770	617	10	03/30/14 16:38	04/10/14 16:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	7540	754	10	03/30/14 16:38	04/10/14 16:46	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18900	617	10	03/30/14 16:38	04/10/14 16:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3770	709	10	03/30/14 16:38	04/10/14 16:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3770	789	10	03/30/14 16:38	04/10/14 16:46	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3770	789	10	03/30/14 16:38	04/10/14 16:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3770	1030	10	03/30/14 16:38	04/10/14 16:46	117-81-7	
Fluoranthene	**2110J**	ug/kg	3770	549	10	03/30/14 16:38	04/10/14 16:46	206-44-0	
Fluorene	ND	ug/kg	3770	777	10	03/30/14 16:38	04/10/14 16:46	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	3770	651	10	03/30/14 16:38	04/10/14 16:46	87-68-3	
Hexachlorobenzene	ND	ug/kg	3770	480	10	03/30/14 16:38	04/10/14 16:46	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	3770	697	10	03/30/14 16:38	04/10/14 16:46	77-47-4	
Hexachloroethane	ND	ug/kg	3770	994	10	03/30/14 16:38	04/10/14 16:46	67-72-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-07 **Lab ID: 92195246008** Collected: 03/27/14 14:15 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3770	777	10	03/30/14 16:38	04/10/14 16:46	193-39-5	
Isophorone	ND	ug/kg	3770	846	10	03/30/14 16:38	04/10/14 16:46	78-59-1	
1-Methylnaphthalene	ND	ug/kg	3770	983	10	03/30/14 16:38	04/10/14 16:46	90-12-0	
2-Methylnaphthalene	ND	ug/kg	3770	811	10	03/30/14 16:38	04/10/14 16:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3770	1140	10	03/30/14 16:38	04/10/14 16:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	3770	1490	10	03/30/14 16:38	04/10/14 16:46		
Naphthalene	ND	ug/kg	3770	926	10	03/30/14 16:38	04/10/14 16:46	91-20-3	
2-Nitroaniline	ND	ug/kg	18900	1170	10	03/30/14 16:38	04/10/14 16:46	88-74-4	
3-Nitroaniline	ND	ug/kg	18900	1030	10	03/30/14 16:38	04/10/14 16:46	99-09-2	
4-Nitroaniline	ND	ug/kg	7540	1060	10	03/30/14 16:38	04/10/14 16:46	100-01-6	
Nitrobenzene	ND	ug/kg	3770	1030	10	03/30/14 16:38	04/10/14 16:46	98-95-3	
2-Nitrophenol	ND	ug/kg	3770	914	10	03/30/14 16:38	04/10/14 16:46	88-75-5	
4-Nitrophenol	ND	ug/kg	18900	674	10	03/30/14 16:38	04/10/14 16:46	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	3770	1220	10	03/30/14 16:38	04/10/14 16:46	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	3770	720	10	03/30/14 16:38	04/10/14 16:46	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3770	1120	10	03/30/14 16:38	04/10/14 16:46	86-30-6	
Pentachlorophenol	ND	ug/kg	18900	686	10	03/30/14 16:38	04/10/14 16:46	87-86-5	
Phenanthrene	**1180J**	ug/kg	3770	629	10	03/30/14 16:38	04/10/14 16:46	85-01-8	
Phenol	ND	ug/kg	3770	1130	10	03/30/14 16:38	04/10/14 16:46	108-95-2	
Pyrene	**1790J**	ug/kg	3770	640	10	03/30/14 16:38	04/10/14 16:46	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	3770	731	10	03/30/14 16:38	04/10/14 16:46	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	3770	1170	10	03/30/14 16:38	04/10/14 16:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3770	834	10	03/30/14 16:38	04/10/14 16:46	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	03/30/14 16:38	04/10/14 16:46	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110		10	03/30/14 16:38	04/10/14 16:46	321-60-8	
Terphenyl-d14 (S)	0	%	28-110		10	03/30/14 16:38	04/10/14 16:46	1718-51-0	
Phenol-d6 (S)	0	%	22-110		10	03/30/14 16:38	04/10/14 16:46	13127-88-3	
2-Fluorophenol (S)	0	%	13-110		10	03/30/14 16:38	04/10/14 16:46	367-12-4	
2,4,6-Tribromophenol (S)	0	%	27-110		10	03/30/14 16:38	04/10/14 16:46	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**216**	ug/kg	107	10.7	1		04/09/14 17:22	67-64-1	
Benzene	ND	ug/kg	5.4	1.7	1		04/09/14 17:22	71-43-2	
Bromobenzene	ND	ug/kg	5.4	2.1	1		04/09/14 17:22	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	1.8	1		04/09/14 17:22	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	2.0	1		04/09/14 17:22	75-27-4	
Bromoform	ND	ug/kg	5.4	2.5	1		04/09/14 17:22	75-25-2	
Bromomethane	ND	ug/kg	10.7	2.7	1		04/09/14 17:22	74-83-9	
2-Butanone (MEK)	**23.0J**	ug/kg	107	3.1	1		04/09/14 17:22	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	1.9	1		04/09/14 17:22	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	1.7	1		04/09/14 17:22	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.4	2.1	1		04/09/14 17:22	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.4	2.8	1		04/09/14 17:22	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	2.0	1		04/09/14 17:22	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-07 **Lab ID: 92195246008** Collected: 03/27/14 14:15 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	10.7	2.6	1		04/09/14 17:22	75-00-3	
Chloroform	ND	ug/kg	5.4	1.7	1		04/09/14 17:22	67-66-3	
Chloromethane	ND	ug/kg	10.7	2.6	1		04/09/14 17:22	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	1.8	1		04/09/14 17:22	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	1.9	1		04/09/14 17:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	3.9	1		04/09/14 17:22	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	1.9	1		04/09/14 17:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1.9	1		04/09/14 17:22	106-93-4	
Dibromomethane	ND	ug/kg	5.4	2.7	1		04/09/14 17:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	2.0	1		04/09/14 17:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	2.1	1		04/09/14 17:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1.8	1		04/09/14 17:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.7	3.9	1		04/09/14 17:22	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1.6	1		04/09/14 17:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	2.4	1		04/09/14 17:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1.9	1		04/09/14 17:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1.5	1		04/09/14 17:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	2.0	1		04/09/14 17:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1.8	1		04/09/14 17:22	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	2.0	1		04/09/14 17:22	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	1.8	1		04/09/14 17:22	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	1.6	1		04/09/14 17:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1.9	1		04/09/14 17:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1.6	1		04/09/14 17:22	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.4	1.8	1		04/09/14 17:22	108-20-3	
Ethylbenzene	ND	ug/kg	5.4	1.9	1		04/09/14 17:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	2.1	1		04/09/14 17:22	87-68-3	
2-Hexanone	ND	ug/kg	53.7	4.2	1		04/09/14 17:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	2.0	1		04/09/14 17:22	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	1.8	1		04/09/14 17:22	99-87-6	
Methylene Chloride	ND	ug/kg	21.5	3.2	1		04/09/14 17:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.7	4.0	1		04/09/14 17:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1.6	1		04/09/14 17:22	1634-04-4	
Naphthalene	ND	ug/kg	5.4	1.3	1		04/09/14 17:22	91-20-3	
n-Propylbenzene	ND	ug/kg	5.4	1.8	1		04/09/14 17:22	103-65-1	
Styrene	ND	ug/kg	5.4	1.9	1		04/09/14 17:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	2.3	1		04/09/14 17:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	2.0	1		04/09/14 17:22	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1.8	1		04/09/14 17:22	127-18-4	
Toluene	**3.6J**	ug/kg	5.4	1.9	1		04/09/14 17:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	2.4	1		04/09/14 17:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1.7	1		04/09/14 17:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1.9	1		04/09/14 17:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	2.3	1		04/09/14 17:22	79-00-5	
Trichloroethene	ND	ug/kg	5.4	2.3	1		04/09/14 17:22	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-07 **Lab ID: 92195246008** Collected: 03/27/14 14:15 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	5.4	2.4	1		04/09/14 17:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	1.7	1		04/09/14 17:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	2.1	1		04/09/14 17:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1.9	1		04/09/14 17:22	108-67-8	
Vinyl acetate	ND	ug/kg	53.7	9.5	1		04/09/14 17:22	108-05-4	
Vinyl chloride	ND	ug/kg	10.7	1.9	1		04/09/14 17:22	75-01-4	
Xylene (Total)	ND	ug/kg	10.7	3.9	1		04/09/14 17:22	1330-20-7	
m&p-Xylene	ND	ug/kg	10.7	3.9	1		04/09/14 17:22	179601-23-1	
o-Xylene	ND	ug/kg	5.4	2.0	1		04/09/14 17:22	95-47-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		1		04/09/14 17:22	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		04/09/14 17:22	460-00-4	
1,2-Dichloroethane-d4 (S)	126	%	70-132		1		04/09/14 17:22	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.5**	%	0.10	0.10	1		04/01/14 14:04		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-08 (1') **Lab ID: 92195246009** Collected: 03/27/14 14:20 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	360	83.0	1	03/30/14 16:38	04/10/14 17:15	83-32-9	
Acenaphthylene	ND	ug/kg	360	85.2	1	03/30/14 16:38	04/10/14 17:15	208-96-8	
Aniline	ND	ug/kg	360	97.2	1	03/30/14 16:38	04/10/14 17:15	62-53-3	
Anthracene	ND	ug/kg	360	80.8	1	03/30/14 16:38	04/10/14 17:15	120-12-7	
Benzo(a)anthracene	**92.7J**	ug/kg	360	66.6	1	03/30/14 16:38	04/10/14 17:15	56-55-3	
Benzo(a)pyrene	**95.0J**	ug/kg	360	68.8	1	03/30/14 16:38	04/10/14 17:15	50-32-8	
Benzo(b)fluoranthene	**72.7J**	ug/kg	360	62.2	1	03/30/14 16:38	04/10/14 17:15	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	360	91.7	1	03/30/14 16:38	04/10/14 17:15	191-24-2	
Benzo(k)fluoranthene	**72.6J**	ug/kg	360	71.0	1	03/30/14 16:38	04/10/14 17:15	207-08-9	
Benzoic Acid	ND	ug/kg	1800	65.5	1	03/30/14 16:38	04/10/14 17:15	65-85-0	
Benzyl alcohol	ND	ug/kg	721	72.1	1	03/30/14 16:38	04/10/14 17:15	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	360	65.5	1	03/30/14 16:38	04/10/14 17:15	101-55-3	
Butylbenzylphthalate	ND	ug/kg	360	76.4	1	03/30/14 16:38	04/10/14 17:15	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	721	74.2	1	03/30/14 16:38	04/10/14 17:15	59-50-7	
4-Chloroaniline	ND	ug/kg	1800	100	1	03/30/14 16:38	04/10/14 17:15	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	360	84.1	1	03/30/14 16:38	04/10/14 17:15	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	360	91.7	1	03/30/14 16:38	04/10/14 17:15	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	360	96.1	1	03/30/14 16:38	04/10/14 17:15	108-60-1	
2-Chloronaphthalene	ND	ug/kg	360	71.0	1	03/30/14 16:38	04/10/14 17:15	91-58-7	
2-Chlorophenol	ND	ug/kg	360	98.3	1	03/30/14 16:38	04/10/14 17:15	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	360	74.2	1	03/30/14 16:38	04/10/14 17:15	7005-72-3	
Chrysene	**121J**	ug/kg	360	48.0	1	03/30/14 16:38	04/10/14 17:15	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	360	76.4	1	03/30/14 16:38	04/10/14 17:15	53-70-3	
Dibenzofuran	ND	ug/kg	360	59.0	1	03/30/14 16:38	04/10/14 17:15	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	360	96.1	1	03/30/14 16:38	04/10/14 17:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	360	81.9	1	03/30/14 16:38	04/10/14 17:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	360	102	1	03/30/14 16:38	04/10/14 17:15	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1800	78.6	1	03/30/14 16:38	04/10/14 17:15	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	360	78.6	1	03/30/14 16:38	04/10/14 17:15	120-83-2	
Diethylphthalate	ND	ug/kg	360	55.7	1	03/30/14 16:38	04/10/14 17:15	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	360	142	1	03/30/14 16:38	04/10/14 17:15	105-67-9	
Dimethylphthalate	ND	ug/kg	360	73.2	1	03/30/14 16:38	04/10/14 17:15	131-11-3	
Di-n-butylphthalate	ND	ug/kg	360	59.0	1	03/30/14 16:38	04/10/14 17:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	721	72.1	1	03/30/14 16:38	04/10/14 17:15	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1800	59.0	1	03/30/14 16:38	04/10/14 17:15	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	360	67.7	1	03/30/14 16:38	04/10/14 17:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	360	75.3	1	03/30/14 16:38	04/10/14 17:15	606-20-2	
Di-n-octylphthalate	ND	ug/kg	360	75.3	1	03/30/14 16:38	04/10/14 17:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	360	98.3	1	03/30/14 16:38	04/10/14 17:15	117-81-7	
Fluoranthene	**233J**	ug/kg	360	52.4	1	03/30/14 16:38	04/10/14 17:15	206-44-0	
Fluorene	ND	ug/kg	360	74.2	1	03/30/14 16:38	04/10/14 17:15	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	360	62.2	1	03/30/14 16:38	04/10/14 17:15	87-68-3	
Hexachlorobenzene	ND	ug/kg	360	45.9	1	03/30/14 16:38	04/10/14 17:15	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	360	66.6	1	03/30/14 16:38	04/10/14 17:15	77-47-4	
Hexachloroethane	ND	ug/kg	360	95.0	1	03/30/14 16:38	04/10/14 17:15	67-72-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-08 (1') **Lab ID: 92195246009** Collected: 03/27/14 14:20 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	360	74.2	1	03/30/14 16:38	04/10/14 17:15	193-39-5	
Isophorone	ND	ug/kg	360	80.8	1	03/30/14 16:38	04/10/14 17:15	78-59-1	
1-Methylnaphthalene	ND	ug/kg	360	93.9	1	03/30/14 16:38	04/10/14 17:15	90-12-0	
2-Methylnaphthalene	ND	ug/kg	360	77.5	1	03/30/14 16:38	04/10/14 17:15	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	360	109	1	03/30/14 16:38	04/10/14 17:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	360	142	1	03/30/14 16:38	04/10/14 17:15		
Naphthalene	ND	ug/kg	360	88.4	1	03/30/14 16:38	04/10/14 17:15	91-20-3	
2-Nitroaniline	ND	ug/kg	1800	111	1	03/30/14 16:38	04/10/14 17:15	88-74-4	
3-Nitroaniline	ND	ug/kg	1800	98.3	1	03/30/14 16:38	04/10/14 17:15	99-09-2	
4-Nitroaniline	ND	ug/kg	721	102	1	03/30/14 16:38	04/10/14 17:15	100-01-6	
Nitrobenzene	ND	ug/kg	360	98.3	1	03/30/14 16:38	04/10/14 17:15	98-95-3	
2-Nitrophenol	ND	ug/kg	360	87.3	1	03/30/14 16:38	04/10/14 17:15	88-75-5	
4-Nitrophenol	ND	ug/kg	1800	64.4	1	03/30/14 16:38	04/10/14 17:15	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	360	117	1	03/30/14 16:38	04/10/14 17:15	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	360	68.8	1	03/30/14 16:38	04/10/14 17:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	360	107	1	03/30/14 16:38	04/10/14 17:15	86-30-6	
Pentachlorophenol	ND	ug/kg	1800	65.5	1	03/30/14 16:38	04/10/14 17:15	87-86-5	
Phenanthrene	**211J**	ug/kg	360	60.1	1	03/30/14 16:38	04/10/14 17:15	85-01-8	
Phenol	ND	ug/kg	360	108	1	03/30/14 16:38	04/10/14 17:15	108-95-2	
Pyrene	**263J**	ug/kg	360	61.1	1	03/30/14 16:38	04/10/14 17:15	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	360	69.9	1	03/30/14 16:38	04/10/14 17:15	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	360	111	1	03/30/14 16:38	04/10/14 17:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	360	79.7	1	03/30/14 16:38	04/10/14 17:15	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%	23-110		1	03/30/14 16:38	04/10/14 17:15	4165-60-0	
2-Fluorobiphenyl (S)	63	%	30-110		1	03/30/14 16:38	04/10/14 17:15	321-60-8	
Terphenyl-d14 (S)	67	%	28-110		1	03/30/14 16:38	04/10/14 17:15	1718-51-0	
Phenol-d6 (S)	61	%	22-110		1	03/30/14 16:38	04/10/14 17:15	13127-88-3	
2-Fluorophenol (S)	63	%	13-110		1	03/30/14 16:38	04/10/14 17:15	367-12-4	
2,4,6-Tribromophenol (S)	66	%	27-110		1	03/30/14 16:38	04/10/14 17:15	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**48.6J**	ug/kg	91.0	9.1	1		04/09/14 18:22	67-64-1	
Benzene	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1.8	1		04/09/14 18:22	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1.7	1		04/09/14 18:22	75-27-4	
Bromoform	ND	ug/kg	4.5	2.1	1		04/09/14 18:22	75-25-2	
Bromomethane	ND	ug/kg	9.1	2.3	1		04/09/14 18:22	74-83-9	
2-Butanone (MEK)	ND	ug/kg	91.0	2.6	1		04/09/14 18:22	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1.8	1		04/09/14 18:22	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.5	2.4	1		04/09/14 18:22	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1.7	1		04/09/14 18:22	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-08 (1') **Lab ID: 92195246009** Collected: 03/27/14 14:20 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	9.1	2.2	1		04/09/14 18:22	75-00-3	
Chloroform	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	67-66-3	
Chloromethane	ND	ug/kg	9.1	2.2	1		04/09/14 18:22	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.5	3.3	1		04/09/14 18:22	96-12-8	
Dibromochloromethane	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	106-93-4	
Dibromomethane	ND	ug/kg	4.5	2.3	1		04/09/14 18:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1.7	1		04/09/14 18:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1.8	1		04/09/14 18:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.1	3.3	1		04/09/14 18:22	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1.4	1		04/09/14 18:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	2.0	1		04/09/14 18:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1.3	1		04/09/14 18:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1.7	1		04/09/14 18:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1.7	1		04/09/14 18:22	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1.4	1		04/09/14 18:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1.4	1		04/09/14 18:22	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	108-20-3	
Ethylbenzene	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1.8	1		04/09/14 18:22	87-68-3	
2-Hexanone	ND	ug/kg	45.5	3.5	1		04/09/14 18:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1.7	1		04/09/14 18:22	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	99-87-6	
Methylene Chloride	ND	ug/kg	18.2	2.7	1		04/09/14 18:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.5	3.4	1		04/09/14 18:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1.4	1		04/09/14 18:22	1634-04-4	
Naphthalene	ND	ug/kg	4.5	1.1	1		04/09/14 18:22	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	103-65-1	
Styrene	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1.9	1		04/09/14 18:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1.7	1		04/09/14 18:22	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	127-18-4	
Toluene	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	2.0	1		04/09/14 18:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1.9	1		04/09/14 18:22	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1.9	1		04/09/14 18:22	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-08 (1') **Lab ID: 92195246009** Collected: 03/27/14 14:20 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	4.5	2.0	1		04/09/14 18:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1.5	1		04/09/14 18:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1.8	1		04/09/14 18:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1.6	1		04/09/14 18:22	108-67-8	
Vinyl acetate	ND	ug/kg	45.5	8.0	1		04/09/14 18:22	108-05-4	
Vinyl chloride	ND	ug/kg	9.1	1.6	1		04/09/14 18:22	75-01-4	
Xylene (Total)	ND	ug/kg	9.1	3.3	1		04/09/14 18:22	1330-20-7	
m&p-Xylene	ND	ug/kg	9.1	3.3	1		04/09/14 18:22	179601-23-1	
o-Xylene	ND	ug/kg	4.5	1.7	1		04/09/14 18:22	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		04/09/14 18:22	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		04/09/14 18:22	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-132		1		04/09/14 18:22	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.4**	%	0.10	0.10	1		04/01/14 14:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-08 (4') **Lab ID: 92195246010** Collected: 03/27/14 14:30 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	333	76.7	1	03/30/14 16:38	04/10/14 17:43	83-32-9	
Acenaphthylene	ND	ug/kg	333	78.7	1	03/30/14 16:38	04/10/14 17:43	208-96-8	
Aniline	ND	ug/kg	333	89.8	1	03/30/14 16:38	04/10/14 17:43	62-53-3	
Anthracene	ND	ug/kg	333	74.7	1	03/30/14 16:38	04/10/14 17:43	120-12-7	
Benzo(a)anthracene	ND	ug/kg	333	61.6	1	03/30/14 16:38	04/10/14 17:43	56-55-3	
Benzo(a)pyrene	ND	ug/kg	333	63.6	1	03/30/14 16:38	04/10/14 17:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	333	57.5	1	03/30/14 16:38	04/10/14 17:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	333	84.8	1	03/30/14 16:38	04/10/14 17:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	333	65.6	1	03/30/14 16:38	04/10/14 17:43	207-08-9	
Benzoic Acid	ND	ug/kg	1670	60.5	1	03/30/14 16:38	04/10/14 17:43	65-85-0	
Benzyl alcohol	ND	ug/kg	666	66.6	1	03/30/14 16:38	04/10/14 17:43	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	333	60.5	1	03/30/14 16:38	04/10/14 17:43	101-55-3	
Butylbenzylphthalate	ND	ug/kg	333	70.6	1	03/30/14 16:38	04/10/14 17:43	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	666	68.6	1	03/30/14 16:38	04/10/14 17:43	59-50-7	
4-Chloroaniline	ND	ug/kg	1670	92.8	1	03/30/14 16:38	04/10/14 17:43	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	333	77.7	1	03/30/14 16:38	04/10/14 17:43	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	333	84.8	1	03/30/14 16:38	04/10/14 17:43	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	333	88.8	1	03/30/14 16:38	04/10/14 17:43	108-60-1	
2-Chloronaphthalene	ND	ug/kg	333	65.6	1	03/30/14 16:38	04/10/14 17:43	91-58-7	
2-Chlorophenol	ND	ug/kg	333	90.8	1	03/30/14 16:38	04/10/14 17:43	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	333	68.6	1	03/30/14 16:38	04/10/14 17:43	7005-72-3	
Chrysene	ND	ug/kg	333	44.4	1	03/30/14 16:38	04/10/14 17:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	333	70.6	1	03/30/14 16:38	04/10/14 17:43	53-70-3	
Dibenzofuran	ND	ug/kg	333	54.5	1	03/30/14 16:38	04/10/14 17:43	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	333	88.8	1	03/30/14 16:38	04/10/14 17:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	333	75.7	1	03/30/14 16:38	04/10/14 17:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	333	93.8	1	03/30/14 16:38	04/10/14 17:43	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1670	72.7	1	03/30/14 16:38	04/10/14 17:43	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	333	72.7	1	03/30/14 16:38	04/10/14 17:43	120-83-2	
Diethylphthalate	ND	ug/kg	333	51.5	1	03/30/14 16:38	04/10/14 17:43	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	333	131	1	03/30/14 16:38	04/10/14 17:43	105-67-9	
Dimethylphthalate	ND	ug/kg	333	67.6	1	03/30/14 16:38	04/10/14 17:43	131-11-3	
Di-n-butylphthalate	ND	ug/kg	333	54.5	1	03/30/14 16:38	04/10/14 17:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	666	66.6	1	03/30/14 16:38	04/10/14 17:43	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1670	54.5	1	03/30/14 16:38	04/10/14 17:43	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	333	62.6	1	03/30/14 16:38	04/10/14 17:43	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	333	69.6	1	03/30/14 16:38	04/10/14 17:43	606-20-2	
Di-n-octylphthalate	ND	ug/kg	333	69.6	1	03/30/14 16:38	04/10/14 17:43	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	333	90.8	1	03/30/14 16:38	04/10/14 17:43	117-81-7	
Fluoranthene	ND	ug/kg	333	48.4	1	03/30/14 16:38	04/10/14 17:43	206-44-0	
Fluorene	ND	ug/kg	333	68.6	1	03/30/14 16:38	04/10/14 17:43	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	333	57.5	1	03/30/14 16:38	04/10/14 17:43	87-68-3	
Hexachlorobenzene	ND	ug/kg	333	42.4	1	03/30/14 16:38	04/10/14 17:43	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	333	61.6	1	03/30/14 16:38	04/10/14 17:43	77-47-4	
Hexachloroethane	ND	ug/kg	333	87.8	1	03/30/14 16:38	04/10/14 17:43	67-72-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-08 (4') **Lab ID: 92195246010** Collected: 03/27/14 14:30 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	333	68.6	1	03/30/14 16:38	04/10/14 17:43	193-39-5	
Isophorone	ND	ug/kg	333	74.7	1	03/30/14 16:38	04/10/14 17:43	78-59-1	
1-Methylnaphthalene	ND	ug/kg	333	86.8	1	03/30/14 16:38	04/10/14 17:43	90-12-0	
2-Methylnaphthalene	ND	ug/kg	333	71.6	1	03/30/14 16:38	04/10/14 17:43	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	333	101	1	03/30/14 16:38	04/10/14 17:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	333	131	1	03/30/14 16:38	04/10/14 17:43		
Naphthalene	ND	ug/kg	333	81.7	1	03/30/14 16:38	04/10/14 17:43	91-20-3	
2-Nitroaniline	ND	ug/kg	1670	103	1	03/30/14 16:38	04/10/14 17:43	88-74-4	
3-Nitroaniline	ND	ug/kg	1670	90.8	1	03/30/14 16:38	04/10/14 17:43	99-09-2	
4-Nitroaniline	ND	ug/kg	666	93.8	1	03/30/14 16:38	04/10/14 17:43	100-01-6	
Nitrobenzene	ND	ug/kg	333	90.8	1	03/30/14 16:38	04/10/14 17:43	98-95-3	
2-Nitrophenol	ND	ug/kg	333	80.7	1	03/30/14 16:38	04/10/14 17:43	88-75-5	
4-Nitrophenol	ND	ug/kg	1670	59.5	1	03/30/14 16:38	04/10/14 17:43	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	333	108	1	03/30/14 16:38	04/10/14 17:43	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	333	63.6	1	03/30/14 16:38	04/10/14 17:43	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	333	98.9	1	03/30/14 16:38	04/10/14 17:43	86-30-6	
Pentachlorophenol	ND	ug/kg	1670	60.5	1	03/30/14 16:38	04/10/14 17:43	87-86-5	
Phenanthrene	ND	ug/kg	333	55.5	1	03/30/14 16:38	04/10/14 17:43	85-01-8	
Phenol	ND	ug/kg	333	99.9	1	03/30/14 16:38	04/10/14 17:43	108-95-2	
Pyrene	ND	ug/kg	333	56.5	1	03/30/14 16:38	04/10/14 17:43	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	333	64.6	1	03/30/14 16:38	04/10/14 17:43	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	333	103	1	03/30/14 16:38	04/10/14 17:43	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	333	73.7	1	03/30/14 16:38	04/10/14 17:43	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	42	%	23-110		1	03/30/14 16:38	04/10/14 17:43	4165-60-0	
2-Fluorobiphenyl (S)	41	%	30-110		1	03/30/14 16:38	04/10/14 17:43	321-60-8	
Terphenyl-d14 (S)	57	%	28-110		1	03/30/14 16:38	04/10/14 17:43	1718-51-0	
Phenol-d6 (S)	43	%	22-110		1	03/30/14 16:38	04/10/14 17:43	13127-88-3	
2-Fluorophenol (S)	42	%	13-110		1	03/30/14 16:38	04/10/14 17:43	367-12-4	
2,4,6-Tribromophenol (S)	40	%	27-110		1	03/30/14 16:38	04/10/14 17:43	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**11.9J**	ug/kg	97.6	9.8	1		04/09/14 18:41	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1		04/09/14 18:41	71-43-2	
Bromobenzene	ND	ug/kg	4.9	2.0	1		04/09/14 18:41	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		04/09/14 18:41	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.9	1		04/09/14 18:41	75-27-4	
Bromoform	ND	ug/kg	4.9	2.2	1		04/09/14 18:41	75-25-2	
Bromomethane	ND	ug/kg	9.8	2.4	1		04/09/14 18:41	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.6	2.8	1		04/09/14 18:41	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1.6	1		04/09/14 18:41	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	2.0	1		04/09/14 18:41	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	2.5	1		04/09/14 18:41	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.9	1		04/09/14 18:41	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-08 (4') **Lab ID: 92195246010** Collected: 03/27/14 14:30 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	9.8	2.3	1		04/09/14 18:41	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		04/09/14 18:41	67-66-3	
Chloromethane	ND	ug/kg	9.8	2.3	1		04/09/14 18:41	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1.7	1		04/09/14 18:41	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		04/09/14 18:41	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	106-93-4	
Dibromomethane	ND	ug/kg	4.9	2.4	1		04/09/14 18:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		04/09/14 18:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	2.0	1		04/09/14 18:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		04/09/14 18:41	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	3.5	1		04/09/14 18:41	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		04/09/14 18:41	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.1	1		04/09/14 18:41	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		04/09/14 18:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.9	1		04/09/14 18:41	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/09/14 18:41	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1.9	1		04/09/14 18:41	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/09/14 18:41	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/09/14 18:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/09/14 18:41	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1.7	1		04/09/14 18:41	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	2.0	1		04/09/14 18:41	87-68-3	
2-Hexanone	ND	ug/kg	48.8	3.8	1		04/09/14 18:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.9	1		04/09/14 18:41	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1.7	1		04/09/14 18:41	99-87-6	
Methylene Chloride	ND	ug/kg	19.5	2.9	1		04/09/14 18:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.8	3.6	1		04/09/14 18:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		04/09/14 18:41	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1.2	1		04/09/14 18:41	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1.7	1		04/09/14 18:41	103-65-1	
Styrene	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	2.0	1		04/09/14 18:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.9	1		04/09/14 18:41	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		04/09/14 18:41	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.1	1		04/09/14 18:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		04/09/14 18:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.0	1		04/09/14 18:41	79-00-5	
Trichloroethene	ND	ug/kg	4.9	2.0	1		04/09/14 18:41	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-08 (4') **Lab ID: 92195246010** Collected: 03/27/14 14:30 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	4.9	2.1	1		04/09/14 18:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1.6	1		04/09/14 18:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	2.0	1		04/09/14 18:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1.8	1		04/09/14 18:41	108-67-8	
Vinyl acetate	ND	ug/kg	48.8	8.6	1		04/09/14 18:41	108-05-4	
Vinyl chloride	ND	ug/kg	9.8	1.8	1		04/09/14 18:41	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	3.5	1		04/09/14 18:41	1330-20-7	
m&p-Xylene	ND	ug/kg	9.8	3.5	1		04/09/14 18:41	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.9	1		04/09/14 18:41	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		04/09/14 18:41	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		04/09/14 18:41	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	70-132		1		04/09/14 18:41	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**0.90**	%	0.10	0.10	1		04/01/14 14:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-09 (2') **Lab ID: 92195246011** Collected: 03/27/14 14:35 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	339	78.0	1	03/30/14 16:38	04/10/14 19:08	83-32-9	
Acenaphthylene	ND	ug/kg	339	80.0	1	03/30/14 16:38	04/10/14 19:08	208-96-8	
Aniline	ND	ug/kg	339	91.3	1	03/30/14 16:38	04/10/14 19:08	62-53-3	
Anthracene	ND	ug/kg	339	75.9	1	03/30/14 16:38	04/10/14 19:08	120-12-7	
Benzo(a)anthracene	**87.2J**	ug/kg	339	62.6	1	03/30/14 16:38	04/10/14 19:08	56-55-3	
Benzo(a)pyrene	**91.8J**	ug/kg	339	64.6	1	03/30/14 16:38	04/10/14 19:08	50-32-8	
Benzo(b)fluoranthene	**76.3J**	ug/kg	339	58.5	1	03/30/14 16:38	04/10/14 19:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	339	86.2	1	03/30/14 16:38	04/10/14 19:08	191-24-2	
Benzo(k)fluoranthene	**80.2J**	ug/kg	339	66.7	1	03/30/14 16:38	04/10/14 19:08	207-08-9	
Benzoic Acid	ND	ug/kg	1690	61.5	1	03/30/14 16:38	04/10/14 19:08	65-85-0	
Benzyl alcohol	ND	ug/kg	677	67.7	1	03/30/14 16:38	04/10/14 19:08	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	339	61.5	1	03/30/14 16:38	04/10/14 19:08	101-55-3	
Butylbenzylphthalate	ND	ug/kg	339	71.8	1	03/30/14 16:38	04/10/14 19:08	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	677	69.8	1	03/30/14 16:38	04/10/14 19:08	59-50-7	
4-Chloroaniline	ND	ug/kg	1690	94.4	1	03/30/14 16:38	04/10/14 19:08	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	339	79.0	1	03/30/14 16:38	04/10/14 19:08	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	339	86.2	1	03/30/14 16:38	04/10/14 19:08	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	339	90.3	1	03/30/14 16:38	04/10/14 19:08	108-60-1	
2-Chloronaphthalene	ND	ug/kg	339	66.7	1	03/30/14 16:38	04/10/14 19:08	91-58-7	
2-Chlorophenol	ND	ug/kg	339	92.3	1	03/30/14 16:38	04/10/14 19:08	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	339	69.8	1	03/30/14 16:38	04/10/14 19:08	7005-72-3	
Chrysene	**99.2J**	ug/kg	339	45.1	1	03/30/14 16:38	04/10/14 19:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	339	71.8	1	03/30/14 16:38	04/10/14 19:08	53-70-3	
Dibenzofuran	ND	ug/kg	339	55.4	1	03/30/14 16:38	04/10/14 19:08	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	339	90.3	1	03/30/14 16:38	04/10/14 19:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	339	76.9	1	03/30/14 16:38	04/10/14 19:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	339	95.4	1	03/30/14 16:38	04/10/14 19:08	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1690	73.9	1	03/30/14 16:38	04/10/14 19:08	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	339	73.9	1	03/30/14 16:38	04/10/14 19:08	120-83-2	
Diethylphthalate	ND	ug/kg	339	52.3	1	03/30/14 16:38	04/10/14 19:08	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	339	133	1	03/30/14 16:38	04/10/14 19:08	105-67-9	
Dimethylphthalate	ND	ug/kg	339	68.7	1	03/30/14 16:38	04/10/14 19:08	131-11-3	
Di-n-butylphthalate	ND	ug/kg	339	55.4	1	03/30/14 16:38	04/10/14 19:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	677	67.7	1	03/30/14 16:38	04/10/14 19:08	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1690	55.4	1	03/30/14 16:38	04/10/14 19:08	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	339	63.6	1	03/30/14 16:38	04/10/14 19:08	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	339	70.8	1	03/30/14 16:38	04/10/14 19:08	606-20-2	
Di-n-octylphthalate	ND	ug/kg	339	70.8	1	03/30/14 16:38	04/10/14 19:08	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	339	92.3	1	03/30/14 16:38	04/10/14 19:08	117-81-7	
Fluoranthene	**137J**	ug/kg	339	49.2	1	03/30/14 16:38	04/10/14 19:08	206-44-0	
Fluorene	ND	ug/kg	339	69.8	1	03/30/14 16:38	04/10/14 19:08	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	339	58.5	1	03/30/14 16:38	04/10/14 19:08	87-68-3	
Hexachlorobenzene	ND	ug/kg	339	43.1	1	03/30/14 16:38	04/10/14 19:08	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	339	62.6	1	03/30/14 16:38	04/10/14 19:08	77-47-4	
Hexachloroethane	ND	ug/kg	339	89.2	1	03/30/14 16:38	04/10/14 19:08	67-72-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-09 (2') **Lab ID: 92195246011** Collected: 03/27/14 14:35 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Indeno(1,2,3-cd)pyrene	ND	ug/kg	339	69.8	1	03/30/14 16:38	04/10/14 19:08	193-39-5	
Isophorone	ND	ug/kg	339	75.9	1	03/30/14 16:38	04/10/14 19:08	78-59-1	
1-Methylnaphthalene	ND	ug/kg	339	88.2	1	03/30/14 16:38	04/10/14 19:08	90-12-0	
2-Methylnaphthalene	ND	ug/kg	339	72.8	1	03/30/14 16:38	04/10/14 19:08	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	339	103	1	03/30/14 16:38	04/10/14 19:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	339	133	1	03/30/14 16:38	04/10/14 19:08		
Naphthalene	ND	ug/kg	339	83.1	1	03/30/14 16:38	04/10/14 19:08	91-20-3	
2-Nitroaniline	ND	ug/kg	1690	105	1	03/30/14 16:38	04/10/14 19:08	88-74-4	
3-Nitroaniline	ND	ug/kg	1690	92.3	1	03/30/14 16:38	04/10/14 19:08	99-09-2	
4-Nitroaniline	ND	ug/kg	677	95.4	1	03/30/14 16:38	04/10/14 19:08	100-01-6	
Nitrobenzene	ND	ug/kg	339	92.3	1	03/30/14 16:38	04/10/14 19:08	98-95-3	
2-Nitrophenol	ND	ug/kg	339	82.1	1	03/30/14 16:38	04/10/14 19:08	88-75-5	
4-Nitrophenol	ND	ug/kg	1690	60.5	1	03/30/14 16:38	04/10/14 19:08	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	339	110	1	03/30/14 16:38	04/10/14 19:08	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	339	64.6	1	03/30/14 16:38	04/10/14 19:08	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	339	101	1	03/30/14 16:38	04/10/14 19:08	86-30-6	
Pentachlorophenol	ND	ug/kg	1690	61.5	1	03/30/14 16:38	04/10/14 19:08	87-86-5	
Phenanthrene	ND	ug/kg	339	56.4	1	03/30/14 16:38	04/10/14 19:08	85-01-8	
Phenol	ND	ug/kg	339	102	1	03/30/14 16:38	04/10/14 19:08	108-95-2	
Pyrene	**131J**	ug/kg	339	57.4	1	03/30/14 16:38	04/10/14 19:08	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	339	65.7	1	03/30/14 16:38	04/10/14 19:08	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	339	105	1	03/30/14 16:38	04/10/14 19:08	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	339	74.9	1	03/30/14 16:38	04/10/14 19:08	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	40	%	23-110		1	03/30/14 16:38	04/10/14 19:08	4165-60-0	
2-Fluorobiphenyl (S)	39	%	30-110		1	03/30/14 16:38	04/10/14 19:08	321-60-8	
Terphenyl-d14 (S)	47	%	28-110		1	03/30/14 16:38	04/10/14 19:08	1718-51-0	
Phenol-d6 (S)	40	%	22-110		1	03/30/14 16:38	04/10/14 19:08	13127-88-3	
2-Fluorophenol (S)	39	%	13-110		1	03/30/14 16:38	04/10/14 19:08	367-12-4	
2,4,6-Tribromophenol (S)	43	%	27-110		1	03/30/14 16:38	04/10/14 19:08	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**69.2J**	ug/kg	101	10.1	1		04/09/14 19:21	67-64-1	
Benzene	ND	ug/kg	5.0	1.6	1		04/09/14 19:21	71-43-2	
Bromobenzene	ND	ug/kg	5.0	2.0	1		04/09/14 19:21	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		04/09/14 19:21	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		04/09/14 19:21	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		04/09/14 19:21	75-25-2	
Bromomethane	ND	ug/kg	10.1	2.5	1		04/09/14 19:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	101	2.9	1		04/09/14 19:21	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1.6	1		04/09/14 19:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	2.0	1		04/09/14 19:21	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		04/09/14 19:21	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		04/09/14 19:21	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-09 (2') **Lab ID: 92195246011** Collected: 03/27/14 14:35 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Chloroethane	ND	ug/kg	10.1	2.4	1		04/09/14 19:21	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		04/09/14 19:21	67-66-3	
Chloromethane	ND	ug/kg	10.1	2.4	1		04/09/14 19:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1.7	1		04/09/14 19:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		04/09/14 19:21	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	106-93-4	
Dibromomethane	ND	ug/kg	5.0	2.5	1		04/09/14 19:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		04/09/14 19:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		04/09/14 19:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		04/09/14 19:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.1	3.6	1		04/09/14 19:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		04/09/14 19:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		04/09/14 19:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1		04/09/14 19:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		04/09/14 19:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		04/09/14 19:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1.9	1		04/09/14 19:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		04/09/14 19:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1.5	1		04/09/14 19:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		04/09/14 19:21	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1.7	1		04/09/14 19:21	108-20-3	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	2.0	1		04/09/14 19:21	87-68-3	
2-Hexanone	ND	ug/kg	50.3	3.9	1		04/09/14 19:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		04/09/14 19:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1.7	1		04/09/14 19:21	99-87-6	
Methylene Chloride	ND	ug/kg	20.1	3.0	1		04/09/14 19:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.3	3.7	1		04/09/14 19:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		04/09/14 19:21	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1.2	1		04/09/14 19:21	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1.7	1		04/09/14 19:21	103-65-1	
Styrene	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	2.1	1		04/09/14 19:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		04/09/14 19:21	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		04/09/14 19:21	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		04/09/14 19:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		04/09/14 19:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		04/09/14 19:21	79-00-5	
Trichloroethene	ND	ug/kg	5.0	2.1	1		04/09/14 19:21	79-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-HA-09 (2') **Lab ID: 92195246011** Collected: 03/27/14 14:35 Received: 03/29/14 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		04/09/14 19:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1.6	1		04/09/14 19:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	2.0	1		04/09/14 19:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1.8	1		04/09/14 19:21	108-67-8	
Vinyl acetate	ND	ug/kg	50.3	8.9	1		04/09/14 19:21	108-05-4	
Vinyl chloride	ND	ug/kg	10.1	1.8	1		04/09/14 19:21	75-01-4	
Xylene (Total)	ND	ug/kg	10.1	3.6	1		04/09/14 19:21	1330-20-7	
m&p-Xylene	ND	ug/kg	10.1	3.6	1		04/09/14 19:21	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		04/09/14 19:21	95-47-6	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		04/09/14 19:21	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		04/09/14 19:21	460-00-4	
1,2-Dichloroethane-d4 (S)	125	%	70-132		1		04/09/14 19:21	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**2.5**	%	0.10	0.10	1		04/01/14 14:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-TMW-01 **Lab ID: 92195246012** Collected: 03/28/14 09:30 Received: 03/29/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	10.0	0.25	1	04/02/14 10:00	04/07/14 16:32	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.21	1	04/02/14 10:00	04/07/14 16:32	208-96-8	
Aniline	ND	ug/L	10.0	2.0	1	04/02/14 10:00	04/07/14 16:32	62-53-3	
Anthracene	ND	ug/L	10.0	0.14	1	04/02/14 10:00	04/07/14 16:32	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.33	1	04/02/14 10:00	04/07/14 16:32	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.30	1	04/02/14 10:00	04/07/14 16:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.28	1	04/02/14 10:00	04/07/14 16:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.38	1	04/02/14 10:00	04/07/14 16:32	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	0.43	1	04/02/14 10:00	04/07/14 16:32	207-08-9	
Benzoic Acid	ND	ug/L	50.0	11.5	1	04/02/14 10:00	04/07/14 16:32	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	2.4	1	04/02/14 10:00	04/07/14 16:32	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	04/02/14 10:00	04/07/14 16:32	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	04/02/14 10:00	04/07/14 16:32	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	04/02/14 10:00	04/07/14 16:32	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	04/02/14 10:00	04/07/14 16:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	04/02/14 10:00	04/07/14 16:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	04/02/14 10:00	04/07/14 16:32	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.95	1	04/02/14 10:00	04/07/14 16:32	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	04/02/14 10:00	04/07/14 16:32	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	04/02/14 10:00	04/07/14 16:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	04/02/14 10:00	04/07/14 16:32	7005-72-3	
Chrysene	ND	ug/L	10.0	0.21	1	04/02/14 10:00	04/07/14 16:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.55	1	04/02/14 10:00	04/07/14 16:32	53-70-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	04/02/14 10:00	04/07/14 16:32	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	0.88	1	04/02/14 10:00	04/07/14 16:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	0.81	1	04/02/14 10:00	04/07/14 16:32	541-73-1	
1,4-Dichlorobenzene	**1.2J**	ug/L	10.0	0.95	1	04/02/14 10:00	04/07/14 16:32	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	04/02/14 10:00	04/07/14 16:32	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	04/02/14 10:00	04/07/14 16:32	120-83-2	
Diethylphthalate	ND	ug/L	10.0	0.58	1	04/02/14 10:00	04/07/14 16:32	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	04/02/14 10:00	04/07/14 16:32	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	04/02/14 10:00	04/07/14 16:32	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	04/02/14 10:00	04/07/14 16:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	2.6	1	04/02/14 10:00	04/07/14 16:32	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	04/02/14 10:00	04/07/14 16:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	04/02/14 10:00	04/07/14 16:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	04/02/14 10:00	04/07/14 16:32	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	04/02/14 10:00	04/07/14 16:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.79	1	04/02/14 10:00	04/07/14 16:32	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.21	1	04/02/14 10:00	04/07/14 16:32	206-44-0	
Fluorene	ND	ug/L	10.0	0.21	1	04/02/14 10:00	04/07/14 16:32	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.94	1	04/02/14 10:00	04/07/14 16:32	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	04/02/14 10:00	04/07/14 16:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	04/02/14 10:00	04/07/14 16:32	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	04/02/14 10:00	04/07/14 16:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.29	1	04/02/14 10:00	04/07/14 16:32	193-39-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-TMW-01 **Lab ID: 92195246012** Collected: 03/28/14 09:30 Received: 03/29/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Isophorone	ND	ug/L	10.0	0.89	1	04/02/14 10:00	04/07/14 16:32	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	0.32	1	04/02/14 10:00	04/07/14 16:32	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	0.28	1	04/02/14 10:00	04/07/14 16:32	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	04/02/14 10:00	04/07/14 16:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	04/02/14 10:00	04/07/14 16:32		
Naphthalene	ND	ug/L	10.0	0.34	1	04/02/14 10:00	04/07/14 16:32	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	2.0	1	04/02/14 10:00	04/07/14 16:32	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	04/02/14 10:00	04/07/14 16:32	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	04/02/14 10:00	04/07/14 16:32	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	04/02/14 10:00	04/07/14 16:32	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	04/02/14 10:00	04/07/14 16:32	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	04/02/14 10:00	04/07/14 16:32	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.91	1	04/02/14 10:00	04/07/14 16:32	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	04/02/14 10:00	04/07/14 16:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	04/02/14 10:00	04/07/14 16:32	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	04/02/14 10:00	04/07/14 16:32	87-86-5	
Phenanthrene	ND	ug/L	10.0	0.22	1	04/02/14 10:00	04/07/14 16:32	85-01-8	
Phenol	ND	ug/L	10.0	1.9	1	04/02/14 10:00	04/07/14 16:32	108-95-2	
Pyrene	ND	ug/L	10.0	0.19	1	04/02/14 10:00	04/07/14 16:32	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	0.98	1	04/02/14 10:00	04/07/14 16:32	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	04/02/14 10:00	04/07/14 16:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	04/02/14 10:00	04/07/14 16:32	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%	21-110		1	04/02/14 10:00	04/07/14 16:32	4165-60-0	
2-Fluorobiphenyl (S)	81	%	27-110		1	04/02/14 10:00	04/07/14 16:32	321-60-8	
Terphenyl-d14 (S)	79	%	31-107		1	04/02/14 10:00	04/07/14 16:32	1718-51-0	
Phenol-d6 (S)	55	%	10-110		1	04/02/14 10:00	04/07/14 16:32	13127-88-3	
2-Fluorophenol (S)	49	%	12-110		1	04/02/14 10:00	04/07/14 16:32	367-12-4	
2,4,6-Tribromophenol (S)	92	%	27-110		1	04/02/14 10:00	04/07/14 16:32	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		04/02/14 23:05	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		04/02/14 23:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		04/02/14 23:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		04/02/14 23:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		04/02/14 23:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		04/02/14 23:05	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		04/02/14 23:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		04/02/14 23:05	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		04/02/14 23:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		04/02/14 23:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		04/02/14 23:05	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		04/02/14 23:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		04/02/14 23:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		04/02/14 23:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		04/02/14 23:05	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-TMW-01 **Lab ID: 92195246012** Collected: 03/28/14 09:30 Received: 03/29/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		04/02/14 23:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		04/02/14 23:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		04/02/14 23:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		04/02/14 23:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		04/02/14 23:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		04/02/14 23:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		04/02/14 23:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		04/02/14 23:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		04/02/14 23:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		04/02/14 23:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		04/02/14 23:05	75-35-4	
cis-1,2-Dichloroethene	**0.39J**	ug/L	1.0	0.19	1		04/02/14 23:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		04/02/14 23:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		04/02/14 23:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		04/02/14 23:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		04/02/14 23:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		04/02/14 23:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		04/02/14 23:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		04/02/14 23:05	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		04/02/14 23:05	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/02/14 23:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		04/02/14 23:05	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		04/02/14 23:05	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		04/02/14 23:05	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		04/02/14 23:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		04/02/14 23:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		04/02/14 23:05	1634-04-4	
Naphthalene	**0.30J**	ug/L	1.0	0.24	1		04/02/14 23:05	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		04/02/14 23:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		04/02/14 23:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		04/02/14 23:05	79-34-5	
Tetrachloroethene	**1.8**	ug/L	1.0	0.46	1		04/02/14 23:05	127-18-4	
Toluene	**0.56J**	ug/L	1.0	0.26	1		04/02/14 23:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		04/02/14 23:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		04/02/14 23:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		04/02/14 23:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		04/02/14 23:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		04/02/14 23:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		04/02/14 23:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		04/02/14 23:05	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		04/02/14 23:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		04/02/14 23:05	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		04/02/14 23:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/02/14 23:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		04/02/14 23:05	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Sample: 87-TMW-01 **Lab ID: 92195246012** Collected: 03/28/14 09:30 Received: 03/29/14 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/02/14 23:05	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		04/02/14 23:05	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/02/14 23:05	2037-26-5	

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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

QC Batch: MSV/26292 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92195246012

METHOD BLANK: 1169929 Matrix: Water
Associated Lab Samples: 92195246012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/02/14 15:22	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/02/14 15:22	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/02/14 15:22	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/02/14 15:22	
1,1-Dichloroethane	ug/L	ND	1.0	04/02/14 15:22	
1,1-Dichloroethene	ug/L	ND	1.0	04/02/14 15:22	
1,1-Dichloropropene	ug/L	ND	1.0	04/02/14 15:22	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/02/14 15:22	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/02/14 15:22	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/02/14 15:22	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/02/14 15:22	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/02/14 15:22	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/02/14 15:22	
1,2-Dichloroethane	ug/L	ND	1.0	04/02/14 15:22	
1,2-Dichloropropane	ug/L	ND	1.0	04/02/14 15:22	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/02/14 15:22	
1,3-Dichloropropane	ug/L	ND	1.0	04/02/14 15:22	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/02/14 15:22	
2,2-Dichloropropane	ug/L	ND	1.0	04/02/14 15:22	
2-Butanone (MEK)	ug/L	ND	5.0	04/02/14 15:22	
2-Chlorotoluene	ug/L	ND	1.0	04/02/14 15:22	
2-Hexanone	ug/L	ND	5.0	04/02/14 15:22	
4-Chlorotoluene	ug/L	ND	1.0	04/02/14 15:22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/02/14 15:22	
Acetone	ug/L	ND	25.0	04/02/14 15:22	
Benzene	ug/L	ND	1.0	04/02/14 15:22	
Bromobenzene	ug/L	ND	1.0	04/02/14 15:22	
Bromochloromethane	ug/L	ND	1.0	04/02/14 15:22	
Bromodichloromethane	ug/L	ND	1.0	04/02/14 15:22	
Bromoform	ug/L	ND	1.0	04/02/14 15:22	
Bromomethane	ug/L	ND	2.0	04/02/14 15:22	
Carbon tetrachloride	ug/L	ND	1.0	04/02/14 15:22	
Chlorobenzene	ug/L	ND	1.0	04/02/14 15:22	
Chloroethane	ug/L	ND	1.0	04/02/14 15:22	
Chloroform	ug/L	ND	1.0	04/02/14 15:22	
Chloromethane	ug/L	ND	1.0	04/02/14 15:22	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/02/14 15:22	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/02/14 15:22	
Dibromochloromethane	ug/L	ND	1.0	04/02/14 15:22	
Dibromomethane	ug/L	ND	1.0	04/02/14 15:22	
Dichlorodifluoromethane	ug/L	ND	1.0	04/02/14 15:22	
Diisopropyl ether	ug/L	ND	1.0	04/02/14 15:22	
Ethylbenzene	ug/L	ND	1.0	04/02/14 15:22	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

METHOD BLANK: 1169929 Matrix: Water
Associated Lab Samples: 92195246012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	04/02/14 15:22	
m&p-Xylene	ug/L	ND	2.0	04/02/14 15:22	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/02/14 15:22	
Methylene Chloride	ug/L	ND	2.0	04/02/14 15:22	
Naphthalene	ug/L	ND	1.0	04/02/14 15:22	
o-Xylene	ug/L	ND	1.0	04/02/14 15:22	
p-Isopropyltoluene	ug/L	ND	1.0	04/02/14 15:22	
Styrene	ug/L	ND	1.0	04/02/14 15:22	
Tetrachloroethene	ug/L	ND	1.0	04/02/14 15:22	
Toluene	ug/L	ND	1.0	04/02/14 15:22	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/02/14 15:22	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/02/14 15:22	
Trichloroethene	ug/L	ND	1.0	04/02/14 15:22	
Trichlorofluoromethane	ug/L	ND	1.0	04/02/14 15:22	
Vinyl acetate	ug/L	ND	2.0	04/02/14 15:22	
Vinyl chloride	ug/L	ND	1.0	04/02/14 15:22	
Xylene (Total)	ug/L	ND	2.0	04/02/14 15:22	
1,2-Dichloroethane-d4 (S)	%	95	70-130	04/02/14 15:22	
4-Bromofluorobenzene (S)	%	95	70-130	04/02/14 15:22	
Toluene-d8 (S)	%	100	70-130	04/02/14 15:22	

LABORATORY CONTROL SAMPLE: 1169930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.1	112	70-130	
1,1,1-Trichloroethane	ug/L	50	52.3	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.6	105	70-130	
1,1,2-Trichloroethane	ug/L	50	53.2	106	70-130	
1,1-Dichloroethane	ug/L	50	49.2	98	70-130	
1,1-Dichloroethene	ug/L	50	51.8	104	70-132	
1,1-Dichloropropene	ug/L	50	52.0	104	70-130	
1,2,3-Trichlorobenzene	ug/L	50	56.8	114	70-135	
1,2,3-Trichloropropane	ug/L	50	51.9	104	70-130	
1,2,4-Trichlorobenzene	ug/L	50	55.8	112	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	52.1	104	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	55.5	111	70-130	
1,2-Dichlorobenzene	ug/L	50	55.9	112	70-130	
1,2-Dichloroethane	ug/L	50	49.7	99	70-130	
1,2-Dichloropropane	ug/L	50	51.6	103	70-130	
1,3-Dichlorobenzene	ug/L	50	55.7	111	70-130	
1,3-Dichloropropane	ug/L	50	53.4	107	70-130	
1,4-Dichlorobenzene	ug/L	50	55.0	110	70-130	
2,2-Dichloropropane	ug/L	50	55.4	111	58-145	
2-Butanone (MEK)	ug/L	100	94.8	95	70-145	
2-Chlorotoluene	ug/L	50	54.0	108	70-130	

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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

LABORATORY CONTROL SAMPLE: 1169930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	106	106	70-144	
4-Chlorotoluene	ug/L	50	57.0	114	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	70-140	
Acetone	ug/L	100	96.5	97	50-175	
Benzene	ug/L	50	52.8	106	70-130	
Bromobenzene	ug/L	50	55.9	112	70-130	
Bromochloromethane	ug/L	50	47.5	95	70-130	
Bromodichloromethane	ug/L	50	55.0	110	70-130	
Bromoform	ug/L	50	49.6	99	70-130	
Bromomethane	ug/L	50	54.4	109	54-130	
Carbon tetrachloride	ug/L	50	53.7	107	70-132	
Chlorobenzene	ug/L	50	53.1	106	70-130	
Chloroethane	ug/L	50	44.9	90	64-134	
Chloroform	ug/L	50	49.4	99	70-130	
Chloromethane	ug/L	50	48.4	97	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	70-131	
cis-1,3-Dichloropropene	ug/L	50	55.7	111	70-130	
Dibromochloromethane	ug/L	50	50.3	101	70-130	
Dibromomethane	ug/L	50	51.0	102	70-131	
Dichlorodifluoromethane	ug/L	50	52.4	105	56-130	
Diisopropyl ether	ug/L	50	49.4	99	70-130	
Ethylbenzene	ug/L	50	54.5	109	70-130	
Hexachloro-1,3-butadiene	ug/L	50	60.2	120	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	50.3	101	70-130	
Methylene Chloride	ug/L	50	51.3	103	63-130	
Naphthalene	ug/L	50	57.5	115	70-138	
o-Xylene	ug/L	50	55.2	110	70-130	
p-Isopropyltoluene	ug/L	50	61.3	123	70-130	
Styrene	ug/L	50	58.0	116	70-130	
Tetrachloroethene	ug/L	50	55.0	110	70-130	
Toluene	ug/L	50	52.2	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.8	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.4	103	70-132	
Trichloroethene	ug/L	50	51.9	104	70-130	
Trichlorofluoromethane	ug/L	50	50.6	101	62-133	
Vinyl acetate	ug/L	100	104	104	66-157	
Vinyl chloride	ug/L	50	50.3	101	69-130	
Xylene (Total)	ug/L	150	169	113	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			102	70-130	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1170664 1170665

Parameter	Units	92194753001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	55.1	55.5	110	111	70-166	1	30	
Benzene	ug/L	ND	50	50	51.1	51.5	102	103	70-148	1	30	
Chlorobenzene	ug/L	ND	50	50	51.9	51.4	104	103	70-146	1	30	
Toluene	ug/L	ND	50	50	49.5	49.4	99	99	70-155	0	30	
Trichloroethene	ug/L	ND	50	50	52.6	52.7	105	105	69-151	0	30	
1,2-Dichloroethane-d4 (S)	%						95	94	70-130			
4-Bromofluorobenzene (S)	%						98	96	70-130			
Toluene-d8 (S)	%						99	100	70-130			

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

QC Batch: MSV/26361 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92195246001, 92195246002, 92195246003, 92195246004, 92195246005, 92195246006, 92195246007, 92195246008, 92195246009, 92195246010, 92195246011

METHOD BLANK: 1173628 Matrix: Solid
Associated Lab Samples: 92195246001, 92195246002, 92195246003, 92195246004, 92195246005, 92195246006, 92195246007, 92195246008, 92195246009, 92195246010, 92195246011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	4.3	04/09/14 12:06	
1,1,1-Trichloroethane	ug/kg	ND	4.3	04/09/14 12:06	
1,1,2,2-Tetrachloroethane	ug/kg	ND	4.3	04/09/14 12:06	
1,1,2-Trichloroethane	ug/kg	ND	4.3	04/09/14 12:06	
1,1-Dichloroethane	ug/kg	ND	4.3	04/09/14 12:06	
1,1-Dichloroethene	ug/kg	ND	4.3	04/09/14 12:06	
1,1-Dichloropropene	ug/kg	ND	4.3	04/09/14 12:06	
1,2,3-Trichlorobenzene	ug/kg	ND	4.3	04/09/14 12:06	
1,2,3-Trichloropropane	ug/kg	ND	4.3	04/09/14 12:06	
1,2,4-Trichlorobenzene	ug/kg	ND	4.3	04/09/14 12:06	
1,2,4-Trimethylbenzene	ug/kg	ND	4.3	04/09/14 12:06	
1,2-Dibromo-3-chloropropane	ug/kg	ND	4.3	04/09/14 12:06	
1,2-Dibromoethane (EDB)	ug/kg	ND	4.3	04/09/14 12:06	
1,2-Dichlorobenzene	ug/kg	ND	4.3	04/09/14 12:06	
1,2-Dichloroethane	ug/kg	ND	4.3	04/09/14 12:06	
1,2-Dichloropropane	ug/kg	ND	4.3	04/09/14 12:06	
1,3,5-Trimethylbenzene	ug/kg	ND	4.3	04/09/14 12:06	
1,3-Dichlorobenzene	ug/kg	ND	4.3	04/09/14 12:06	
1,3-Dichloropropane	ug/kg	ND	4.3	04/09/14 12:06	
1,4-Dichlorobenzene	ug/kg	ND	4.3	04/09/14 12:06	
2,2-Dichloropropane	ug/kg	ND	4.3	04/09/14 12:06	
2-Butanone (MEK)	ug/kg	ND	86.1	04/09/14 12:06	
2-Chlorotoluene	ug/kg	ND	4.3	04/09/14 12:06	
2-Hexanone	ug/kg	ND	43.0	04/09/14 12:06	
4-Chlorotoluene	ug/kg	ND	4.3	04/09/14 12:06	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	43.0	04/09/14 12:06	
Acetone	ug/kg	ND	86.1	04/09/14 12:06	
Benzene	ug/kg	ND	4.3	04/09/14 12:06	
Bromobenzene	ug/kg	ND	4.3	04/09/14 12:06	
Bromochloromethane	ug/kg	ND	4.3	04/09/14 12:06	
Bromodichloromethane	ug/kg	ND	4.3	04/09/14 12:06	
Bromoform	ug/kg	ND	4.3	04/09/14 12:06	
Bromomethane	ug/kg	ND	8.6	04/09/14 12:06	
Carbon tetrachloride	ug/kg	ND	4.3	04/09/14 12:06	
Chlorobenzene	ug/kg	ND	4.3	04/09/14 12:06	
Chloroethane	ug/kg	ND	8.6	04/09/14 12:06	
Chloroform	ug/kg	ND	4.3	04/09/14 12:06	
Chloromethane	ug/kg	ND	8.6	04/09/14 12:06	
cis-1,2-Dichloroethene	ug/kg	ND	4.3	04/09/14 12:06	
cis-1,3-Dichloropropene	ug/kg	ND	4.3	04/09/14 12:06	
Dibromochloromethane	ug/kg	ND	4.3	04/09/14 12:06	

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

METHOD BLANK: 1173628 Matrix: Solid
Associated Lab Samples: 92195246001, 92195246002, 92195246003, 92195246004, 92195246005, 92195246006, 92195246007, 92195246008, 92195246009, 92195246010, 92195246011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	4.3	04/09/14 12:06	
Dichlorodifluoromethane	ug/kg	ND	8.6	04/09/14 12:06	
Diisopropyl ether	ug/kg	ND	4.3	04/09/14 12:06	
Ethylbenzene	ug/kg	ND	4.3	04/09/14 12:06	
Hexachloro-1,3-butadiene	ug/kg	ND	4.3	04/09/14 12:06	
Isopropylbenzene (Cumene)	ug/kg	ND	4.3	04/09/14 12:06	
m&p-Xylene	ug/kg	ND	8.6	04/09/14 12:06	
Methyl-tert-butyl ether	ug/kg	ND	4.3	04/09/14 12:06	
Methylene Chloride	ug/kg	ND	17.2	04/09/14 12:06	
n-Butylbenzene	ug/kg	ND	4.3	04/09/14 12:06	
n-Propylbenzene	ug/kg	ND	4.3	04/09/14 12:06	
Naphthalene	ug/kg	ND	4.3	04/09/14 12:06	
o-Xylene	ug/kg	ND	4.3	04/09/14 12:06	
p-Isopropyltoluene	ug/kg	ND	4.3	04/09/14 12:06	
sec-Butylbenzene	ug/kg	ND	4.3	04/09/14 12:06	
Styrene	ug/kg	ND	4.3	04/09/14 12:06	
tert-Butylbenzene	ug/kg	ND	4.3	04/09/14 12:06	
Tetrachloroethene	ug/kg	ND	4.3	04/09/14 12:06	
Toluene	ug/kg	ND	4.3	04/09/14 12:06	
trans-1,2-Dichloroethene	ug/kg	ND	4.3	04/09/14 12:06	
trans-1,3-Dichloropropene	ug/kg	ND	4.3	04/09/14 12:06	
Trichloroethene	ug/kg	ND	4.3	04/09/14 12:06	
Trichlorofluoromethane	ug/kg	ND	4.3	04/09/14 12:06	
Vinyl acetate	ug/kg	ND	43.0	04/09/14 12:06	
Vinyl chloride	ug/kg	ND	8.6	04/09/14 12:06	
Xylene (Total)	ug/kg	ND	8.6	04/09/14 12:06	
1,2-Dichloroethane-d4 (S)	%	77	70-132	04/09/14 12:06	
4-Bromofluorobenzene (S)	%	99	70-130	04/09/14 12:06	
Toluene-d8 (S)	%	98	70-130	04/09/14 12:06	

LABORATORY CONTROL SAMPLE: 1173629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	41.6	46.2	111	70-131	
1,1,1-Trichloroethane	ug/kg	41.6	43.0	103	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	41.6	47.3	114	70-130	
1,1,2-Trichloroethane	ug/kg	41.6	47.2	114	70-132	
1,1-Dichloroethane	ug/kg	41.6	38.9	94	70-143	
1,1-Dichloroethene	ug/kg	41.6	37.3	90	70-137	
1,1-Dichloropropene	ug/kg	41.6	43.4	104	70-135	
1,2,3-Trichlorobenzene	ug/kg	41.6	45.4	109	69-153	
1,2,3-Trichloropropane	ug/kg	41.6	48.3	116	70-130	
1,2,4-Trichlorobenzene	ug/kg	41.6	44.9	108	55-171	
1,2,4-Trimethylbenzene	ug/kg	41.6	46.4	112	70-149	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

LABORATORY CONTROL SAMPLE: 1173629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	41.6	45.7	110	68-141	
1,2-Dibromoethane (EDB)	ug/kg	41.6	44.0	106	70-130	
1,2-Dichlorobenzene	ug/kg	41.6	46.3	111	70-140	
1,2-Dichloroethane	ug/kg	41.6	41.6	100	70-137	
1,2-Dichloropropane	ug/kg	41.6	43.8	105	70-133	
1,3,5-Trimethylbenzene	ug/kg	41.6	47.5	114	70-143	
1,3-Dichlorobenzene	ug/kg	41.6	46.3	111	70-144	
1,3-Dichloropropane	ug/kg	41.6	43.5	105	70-132	
1,4-Dichlorobenzene	ug/kg	41.6	46.0	111	70-142	
2,2-Dichloropropane	ug/kg	41.6	42.5	102	68-152	
2-Butanone (MEK)	ug/kg	83.2	84.5	102	70-149	
2-Chlorotoluene	ug/kg	41.6	44.8	108	70-141	
2-Hexanone	ug/kg	83.2	107	129	70-149	
4-Chlorotoluene	ug/kg	41.6	47.1	113	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	83.2	100	120	70-153	
Acetone	ug/kg	83.2	58.2J	70	70-157	
Benzene	ug/kg	41.6	44.8	108	70-130	
Bromobenzene	ug/kg	41.6	44.1	106	70-141	
Bromochloromethane	ug/kg	41.6	35.8	86	70-149	
Bromodichloromethane	ug/kg	41.6	42.9	103	70-130	
Bromoform	ug/kg	41.6	46.8	113	70-131	
Bromomethane	ug/kg	41.6	44.9	108	64-136	
Carbon tetrachloride	ug/kg	41.6	43.2	104	70-154	
Chlorobenzene	ug/kg	41.6	46.5	112	70-135	
Chloroethane	ug/kg	41.6	41.2	99	68-151	
Chloroform	ug/kg	41.6	39.2	94	70-130	
Chloromethane	ug/kg	41.6	42.6	102	70-132	
cis-1,2-Dichloroethene	ug/kg	41.6	39.5	95	70-140	
cis-1,3-Dichloropropene	ug/kg	41.6	43.7	105	70-137	
Dibromochloromethane	ug/kg	41.6	45.5	109	70-130	
Dibromomethane	ug/kg	41.6	44.4	107	70-136	
Dichlorodifluoromethane	ug/kg	41.6	43.3	104	36-148	
Diisopropyl ether	ug/kg	41.6	43.7	105	70-139	
Ethylbenzene	ug/kg	41.6	47.5	114	70-137	
Hexachloro-1,3-butadiene	ug/kg	41.6	45.6	110	70-145	
Isopropylbenzene (Cumene)	ug/kg	41.6	49.5	119	70-141	
m&p-Xylene	ug/kg	83.2	97.9	118	70-140	
Methyl-tert-butyl ether	ug/kg	41.6	39.3	94	45-150	
Methylene Chloride	ug/kg	41.6	40.3	97	70-133	
n-Butylbenzene	ug/kg	41.6	46.8	112	65-155	
n-Propylbenzene	ug/kg	41.6	49.0	118	70-148	
Naphthalene	ug/kg	41.6	44.2	106	70-148	
o-Xylene	ug/kg	41.6	48.3	116	70-141	
p-Isopropyltoluene	ug/kg	41.6	47.7	115	70-148	
sec-Butylbenzene	ug/kg	41.6	48.5	117	70-145	
Styrene	ug/kg	41.6	49.4	119	70-138	
tert-Butylbenzene	ug/kg	41.6	48.8	117	70-143	
Tetrachloroethene	ug/kg	41.6	44.8	108	70-140	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

LABORATORY CONTROL SAMPLE: 1173629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/kg	41.6	46.4	111	70-130	
trans-1,2-Dichloroethene	ug/kg	41.6	37.9	91	70-136	
trans-1,3-Dichloropropene	ug/kg	41.6	46.4	112	70-138	
Trichloroethene	ug/kg	41.6	43.4	104	70-132	
Trichlorofluoromethane	ug/kg	41.6	43.6	105	69-134	
Vinyl acetate	ug/kg	83.2	122	147	24-161	F3
Vinyl chloride	ug/kg	41.6	40.9	98	55-140	
Xylene (Total)	ug/kg	125	146	117	70-141	
1,2-Dichloroethane-d4 (S)	%			93	70-132	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1174949

Parameter	Units	92195246006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	67.4	48.7	72	49-180	
Benzene	ug/kg	ND	67.4	55.0	82	50-166	
Chlorobenzene	ug/kg	ND	67.4	46.2	68	43-169	
Toluene	ug/kg	ND	67.4	45.4	67	52-163	
Trichloroethene	ug/kg	ND	67.4	44.8	66	49-167	
1,2-Dichloroethane-d4 (S)	%				130	70-132	
4-Bromofluorobenzene (S)	%				88	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 1174948

Parameter	Units	92195246001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

SAMPLE DUPLICATE: 1174948

Parameter	Units	92195246001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	87.5J	79.2J		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	3.4J	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

SAMPLE DUPLICATE: 1174948

Parameter	Units	92195246001 Result	Dup Result	RPD	Max RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	120	117	5		
4-Bromofluorobenzene (S)	%	82	83	8		
Toluene-d8 (S)	%	92	98	13		

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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

QC Batch: OEXT/26755 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92195246001, 92195246002, 92195246003, 92195246004, 92195246005, 92195246006, 92195246007, 92195246008, 92195246009, 92195246010, 92195246011

METHOD BLANK: 1167862 Matrix: Solid
Associated Lab Samples: 92195246001, 92195246002, 92195246003, 92195246004, 92195246005, 92195246006, 92195246007, 92195246008, 92195246009, 92195246010, 92195246011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	04/07/14 17:29	
1,2-Dichlorobenzene	ug/kg	ND	330	04/07/14 17:29	
1,3-Dichlorobenzene	ug/kg	ND	330	04/07/14 17:29	
1,4-Dichlorobenzene	ug/kg	ND	330	04/07/14 17:29	
1-Methylnaphthalene	ug/kg	ND	330	04/07/14 17:29	
2,4,5-Trichlorophenol	ug/kg	ND	330	04/07/14 17:29	
2,4,6-Trichlorophenol	ug/kg	ND	330	04/07/14 17:29	
2,4-Dichlorophenol	ug/kg	ND	330	04/07/14 17:29	
2,4-Dimethylphenol	ug/kg	ND	330	04/07/14 17:29	
2,4-Dinitrophenol	ug/kg	ND	1650	04/07/14 17:29	
2,4-Dinitrotoluene	ug/kg	ND	330	04/07/14 17:29	
2,6-Dinitrotoluene	ug/kg	ND	330	04/07/14 17:29	
2-Chloronaphthalene	ug/kg	ND	330	04/07/14 17:29	
2-Chlorophenol	ug/kg	ND	330	04/07/14 17:29	
2-Methylnaphthalene	ug/kg	ND	330	04/07/14 17:29	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	04/07/14 17:29	
2-Nitroaniline	ug/kg	ND	1650	04/07/14 17:29	
2-Nitrophenol	ug/kg	ND	330	04/07/14 17:29	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	04/07/14 17:29	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	04/07/14 17:29	
3-Nitroaniline	ug/kg	ND	1650	04/07/14 17:29	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	04/07/14 17:29	
4-Bromophenylphenyl ether	ug/kg	ND	330	04/07/14 17:29	
4-Chloro-3-methylphenol	ug/kg	ND	660	04/07/14 17:29	
4-Chloroaniline	ug/kg	ND	1650	04/07/14 17:29	
4-Chlorophenylphenyl ether	ug/kg	ND	330	04/07/14 17:29	
4-Nitroaniline	ug/kg	ND	660	04/07/14 17:29	
4-Nitrophenol	ug/kg	ND	1650	04/07/14 17:29	
Acenaphthene	ug/kg	ND	330	04/07/14 17:29	
Acenaphthylene	ug/kg	ND	330	04/07/14 17:29	
Aniline	ug/kg	ND	330	04/07/14 17:29	
Anthracene	ug/kg	ND	330	04/07/14 17:29	
Benzo(a)anthracene	ug/kg	ND	330	04/07/14 17:29	
Benzo(a)pyrene	ug/kg	ND	330	04/07/14 17:29	
Benzo(b)fluoranthene	ug/kg	ND	330	04/07/14 17:29	
Benzo(g,h,i)perylene	ug/kg	ND	330	04/07/14 17:29	
Benzo(k)fluoranthene	ug/kg	ND	330	04/07/14 17:29	
Benzoic Acid	ug/kg	ND	1650	04/07/14 17:29	
Benzyl alcohol	ug/kg	ND	660	04/07/14 17:29	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	04/07/14 17:29	
bis(2-Chloroethyl) ether	ug/kg	ND	330	04/07/14 17:29	

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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

METHOD BLANK: 1167862 Matrix: Solid
Associated Lab Samples: 92195246001, 92195246002, 92195246003, 92195246004, 92195246005, 92195246006, 92195246007, 92195246008, 92195246009, 92195246010, 92195246011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	04/07/14 17:29	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	04/07/14 17:29	
Butylbenzylphthalate	ug/kg	ND	330	04/07/14 17:29	
Chrysene	ug/kg	ND	330	04/07/14 17:29	
Di-n-butylphthalate	ug/kg	ND	330	04/07/14 17:29	
Di-n-octylphthalate	ug/kg	ND	330	04/07/14 17:29	
Dibenz(a,h)anthracene	ug/kg	ND	330	04/07/14 17:29	
Dibenzofuran	ug/kg	ND	330	04/07/14 17:29	
Diethylphthalate	ug/kg	ND	330	04/07/14 17:29	
Dimethylphthalate	ug/kg	ND	330	04/07/14 17:29	
Fluoranthene	ug/kg	ND	330	04/07/14 17:29	
Fluorene	ug/kg	ND	330	04/07/14 17:29	
Hexachloro-1,3-butadiene	ug/kg	ND	330	04/07/14 17:29	
Hexachlorobenzene	ug/kg	ND	330	04/07/14 17:29	
Hexachlorocyclopentadiene	ug/kg	ND	330	04/07/14 17:29	
Hexachloroethane	ug/kg	ND	330	04/07/14 17:29	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	04/07/14 17:29	
Isophorone	ug/kg	ND	330	04/07/14 17:29	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	04/07/14 17:29	
N-Nitrosodimethylamine	ug/kg	ND	330	04/07/14 17:29	
N-Nitrosodiphenylamine	ug/kg	ND	330	04/07/14 17:29	
Naphthalene	ug/kg	ND	330	04/07/14 17:29	
Nitrobenzene	ug/kg	ND	330	04/07/14 17:29	
Pentachlorophenol	ug/kg	ND	1650	04/07/14 17:29	
Phenanthrene	ug/kg	ND	330	04/07/14 17:29	
Phenol	ug/kg	ND	330	04/07/14 17:29	
Pyrene	ug/kg	ND	330	04/07/14 17:29	
2,4,6-Tribromophenol (S)	%	71	27-110	04/07/14 17:29	
2-Fluorobiphenyl (S)	%	68	30-110	04/07/14 17:29	
2-Fluorophenol (S)	%	69	13-110	04/07/14 17:29	
Nitrobenzene-d5 (S)	%	66	23-110	04/07/14 17:29	
Phenol-d6 (S)	%	71	22-110	04/07/14 17:29	
Terphenyl-d14 (S)	%	72	28-110	04/07/14 17:29	

LABORATORY CONTROL SAMPLE: 1167863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1000	60	39-101	
1,2-Dichlorobenzene	ug/kg	1670	1030	62	36-110	
1,3-Dichlorobenzene	ug/kg	1670	1020	61	35-110	
1,4-Dichlorobenzene	ug/kg	1670	1070	64	35-110	
1-Methylnaphthalene	ug/kg	1670	1040	62	45-105	
2,4,5-Trichlorophenol	ug/kg	1670	1210	72	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	1080	65	45-111	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

LABORATORY CONTROL SAMPLE: 1167863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/kg	1670	1140	69	51-116	
2,4-Dimethylphenol	ug/kg	1670	1020	61	42-103	
2,4-Dinitrophenol	ug/kg	8330	4140	50	28-103	
2,4-Dinitrotoluene	ug/kg	1670	1560	94	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1520	91	48-112	
2-Chloronaphthalene	ug/kg	1670	967	58	44-105	
2-Chlorophenol	ug/kg	1670	1110	66	36-110	
2-Methylnaphthalene	ug/kg	1670	1050	63	39-112	
2-Methylphenol(o-Cresol)	ug/kg	1670	1100	66	39-101	
2-Nitroaniline	ug/kg	3330	3060	92	44-111	
2-Nitrophenol	ug/kg	1670	1160	70	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1110	67	43-103	
3,3'-Dichlorobenzidine	ug/kg	3330	3000	90	10-150	
3-Nitroaniline	ug/kg	3330	2980	89	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	1990	60	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	1180	71	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	2780	83	43-127	
4-Chloroaniline	ug/kg	3330	2260	68	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	1210	73	44-115	
4-Nitroaniline	ug/kg	3330	3220	97	37-111	
4-Nitrophenol	ug/kg	8330	7440	89	21-152	
Acenaphthene	ug/kg	1670	1070	64	38-117	
Acenaphthylene	ug/kg	1670	1110	67	46-107	
Aniline	ug/kg	1670	840	50	29-110	
Anthracene	ug/kg	1670	1310	78	50-110	
Benzo(a)anthracene	ug/kg	1670	1340	81	47-116	
Benzo(a)pyrene	ug/kg	1670	1440	87	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1410	85	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1380	83	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1190	72	45-117	
Benzoic Acid	ug/kg	8330	4490	54	16-110	
Benzyl alcohol	ug/kg	3330	2290	69	38-105	
bis(2-Chloroethoxy)methane	ug/kg	1670	941	56	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	995	60	19-119	
bis(2-Chloroisopropyl) ether	ug/kg	1670	930	56	21-110	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1460	87	35-116	
Butylbenzylphthalate	ug/kg	1670	1450	87	38-110	
Chrysene	ug/kg	1670	1400	84	49-110	
Di-n-butylphthalate	ug/kg	1670	1370	82	43-109	
Di-n-octylphthalate	ug/kg	1670	1370	82	37-109	
Dibenz(a,h)anthracene	ug/kg	1670	1440	86	43-116	
Dibenzofuran	ug/kg	1670	1290	77	45-106	
Diethylphthalate	ug/kg	1670	1340	80	41-114	
Dimethylphthalate	ug/kg	1670	1330	80	43-110	
Fluoranthene	ug/kg	1670	1400	84	50-114	
Fluorene	ug/kg	1670	1310	79	46-114	
Hexachloro-1,3-butadiene	ug/kg	1670	1050	63	28-111	
Hexachlorobenzene	ug/kg	1670	1280	77	46-120	

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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

LABORATORY CONTROL SAMPLE: 1167863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1670	547	33	18-119	
Hexachloroethane	ug/kg	1670	972	58	33-110	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1470	88	42-115	
Isophorone	ug/kg	1670	1050	63	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	757	45	43-104	
N-Nitrosodimethylamine	ug/kg	1670	832	50	29-110	
N-Nitrosodiphenylamine	ug/kg	1670	1040	62	48-113	
Naphthalene	ug/kg	1670	1070	64	41-110	
Nitrobenzene	ug/kg	1670	1020	61	38-110	
Pentachlorophenol	ug/kg	3330	2330	70	32-128	
Phenanthrene	ug/kg	1670	1230	74	50-110	
Phenol	ug/kg	1670	1160	70	28-106	
Pyrene	ug/kg	1670	1300	78	45-114	
2,4,6-Tribromophenol (S)	%			85	27-110	
2-Fluorobiphenyl (S)	%			59	30-110	
2-Fluorophenol (S)	%			63	13-110	
Nitrobenzene-d5 (S)	%			60	23-110	
Phenol-d6 (S)	%			64	22-110	
Terphenyl-d14 (S)	%			80	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1167864 1167865

Parameter	Units	92195246010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1690	1690	855	823	51	49	18-119	4	30	
1,2-Dichlorobenzene	ug/kg	ND	1690	1690	835	844	50	50	50-110	1	30	
1,3-Dichlorobenzene	ug/kg	ND	1690	1690	801	810	48	48	27-110	1	30	
1,4-Dichlorobenzene	ug/kg	ND	1690	1690	866	864	52	51	28-110	0	30	
1-Methylnaphthalene	ug/kg	ND	1690	1690	844	875	50	52	24-116	4	30	
2,4,5-Trichlorophenol	ug/kg	ND	1690	1690	913	930	54	55	28-110	2	30	
2,4,6-Trichlorophenol	ug/kg	ND	1690	1690	829	793	49	47	17-117	5	30	
2,4-Dichlorophenol	ug/kg	ND	1690	1690	887	892	53	53	21-128	1	30	
2,4-Dimethylphenol	ug/kg	ND	1690	1690	758	734	45	44	10-120	3	30	
2,4-Dinitrophenol	ug/kg	ND	8410	8410	3280	3670	39	44	10-107	11	30	
2,4-Dinitrotoluene	ug/kg	ND	1690	1690	1130	1170	67	69	36-109	3	30	
2,6-Dinitrotoluene	ug/kg	ND	1690	1690	1050	1090	62	65	32-110	4	30	
2-Chloronaphthalene	ug/kg	ND	1690	1690	788	772	47	46	30-107	2	30	
2-Chlorophenol	ug/kg	ND	1690	1690	856	877	51	52	14-106	2	30	
2-Methylnaphthalene	ug/kg	ND	1690	1690	846	870	50	52	10-135	3	30	
2-Methylphenol(o-Cresol)	ug/kg	ND	1690	1690	851	868	51	52	10-124	2	30	
2-Nitroaniline	ug/kg	ND	3360	3360	2150	2210	64	66	26-116	3	30	
2-Nitrophenol	ug/kg	ND	1690	1690	935	915	56	54	28-103	2	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1690	1690	860	907	51	54	10-109	5	30	
3,3'-Dichlorobenzidine	ug/kg	ND	3360	3360	2150	2090	64	62	10-150	3	30	
3-Nitroaniline	ug/kg	ND	3360	3360	2130	2250	63	67	22-110	5	30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	3360	3360	1620	1700	48	50	13-121	5	30	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1167864 1167865

Parameter	Units	92195246010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromophenylphenyl ether	ug/kg	ND	1690	1690	879	836	52	50	31-109	5	30	
4-Chloro-3-methylphenol	ug/kg	ND	3360	3360	1980	2160	59	64	13-128	9	30	
4-Chloroaniline	ug/kg	ND	3360	3360	1810	1840	54	55	18-102	1	30	
4-Chlorophenylphenyl ether	ug/kg	ND	1690	1690	884	908	53	54	29-112	3	30	
4-Nitroaniline	ug/kg	ND	3360	3360	2390	2570	71	77	16-111	8	30	
4-Nitrophenol	ug/kg	ND	8410	8410	5270	5530	63	66	14-135	5	30	
Acenaphthene	ug/kg	ND	1690	1690	813	819	48	49	26-114	1	30	
Acenaphthylene	ug/kg	ND	1690	1690	850	842	51	50	32-108	1	30	
Aniline	ug/kg	ND	1690	1690	682	682	41	41	10-107	0	30	
Anthracene	ug/kg	ND	1690	1690	992	965	59	57	32-111	3	30	
Benzo(a)anthracene	ug/kg	ND	1690	1690	1010	990	60	59	25-117	2	30	
Benzo(a)pyrene	ug/kg	ND	1690	1690	1020	1020	61	60	25-106	1	30	
Benzo(b)fluoranthene	ug/kg	ND	1690	1690	1020	979	61	58	24-110	4	30	
Benzo(g,h,i)perylene	ug/kg	ND	1690	1690	935	895	56	53	19-112	4	30	
Benzo(k)fluoranthene	ug/kg	ND	1690	1690	859	890	51	53	24-114	3	30	
Benzoic Acid	ug/kg	ND	8410	8410	1930	1890	23	22	10-110	2	30	
Benzyl alcohol	ug/kg	ND	3360	3360	1740	1790	52	53	24-106	3	30	
bis(2-Chloroethoxy)methane	ug/kg	ND	1690	1690	763	740	45	44	13-119	3	30	
bis(2-Chloroethyl) ether	ug/kg	ND	1690	1690	760	892	45	53	10-134	16	30	
bis(2-Chloroisopropyl) ether	ug/kg	ND	1690	1690	723	721	43	43	10-113	0	30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1690	1690	1170	1130	69	67	10-125	4	30	
Butylbenzylphthalate	ug/kg	ND	1690	1690	1150	1110	68	66	18-110	3	30	
Chrysene	ug/kg	ND	1690	1690	1020	1000	60	60	30-110	1	30	
Di-n-butylphthalate	ug/kg	ND	1690	1690	1050	1010	62	60	19-112	4	30	
Di-n-octylphthalate	ug/kg	ND	1690	1690	1150	1090	68	65	17-105	6	30	
Dibenz(a,h)anthracene	ug/kg	ND	1690	1690	982	944	58	56	23-111	4	30	
Dibenzofuran	ug/kg	ND	1690	1690	953	967	57	57	35-103	1	30	
Diethylphthalate	ug/kg	ND	1690	1690	945	979	56	58	27-113	4	30	
Dimethylphthalate	ug/kg	ND	1690	1690	933	944	55	56	26-111	1	30	
Fluoranthene	ug/kg	ND	1690	1690	1090	1070	65	63	33-109	3	30	
Fluorene	ug/kg	ND	1690	1690	954	985	57	59	32-113	3	30	
Hexachloro-1,3-butadiene	ug/kg	ND	1690	1690	862	821	51	49	16-116	5	30	
Hexachlorobenzene	ug/kg	ND	1690	1690	943	895	56	53	27-120	5	30	
Hexachlorocyclopentadiene	ug/kg	ND	1690	1690	479	416	28	25	10-108	14	30	
Hexachloroethane	ug/kg	ND	1690	1690	805	801	48	48	10-117	0	30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1690	1690	996	968	59	58	10-122	3	30	
Isophorone	ug/kg	ND	1690	1690	845	852	50	51	28-114	1	30	
N-Nitroso-di-n-propylamine	ug/kg	ND	1690	1690	650	664	39	39	27-113	2	30	
N-Nitrosodimethylamine	ug/kg	ND	1690	1690	667	667	40	40	10-109	0	30	
N-Nitrosodiphenylamine	ug/kg	ND	1690	1690	789	741	47	44	10-128	6	30	
Naphthalene	ug/kg	ND	1690	1690	859	821	51	49	25-110	4	30	
Nitrobenzene	ug/kg	ND	1690	1690	777	784	46	47	18-114	1	30	
Pentachlorophenol	ug/kg	ND	3360	3360	1790	1700	53	51	10-122	5	30	
Phenanthrene	ug/kg	ND	1690	1690	948	911	56	54	30-114	4	30	
Phenol	ug/kg	ND	1690	1690	878	881	52	52	11-102	0	30	
Pyrene	ug/kg	ND	1690	1690	1010	1000	60	60	25-116	0	30	
2,4,6-Tribromophenol (S)	%						64	60	27-110			

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1167864 1167865

Parameter	Units	92195246010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Fluorobiphenyl (S)	%						48	46	30-110			
2-Fluorophenol (S)	%						49	49	13-110			
Nitrobenzene-d5 (S)	%						49	48	23-110			
Phenol-d6 (S)	%						47	48	22-110			
Terphenyl-d14 (S)	%						64	61	28-110			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

QC Batch: OEXT/26804 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92195246012

METHOD BLANK: 1169541 Matrix: Water
Associated Lab Samples: 92195246012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	04/07/14 11:15	
1,2-Dichlorobenzene	ug/L	ND	10.0	04/07/14 11:15	
1,3-Dichlorobenzene	ug/L	ND	10.0	04/07/14 11:15	
1,4-Dichlorobenzene	ug/L	ND	10.0	04/07/14 11:15	
1-Methylnaphthalene	ug/L	ND	10.0	04/07/14 11:15	
2,4,5-Trichlorophenol	ug/L	ND	10.0	04/07/14 11:15	
2,4,6-Trichlorophenol	ug/L	ND	10.0	04/07/14 11:15	
2,4-Dichlorophenol	ug/L	ND	10.0	04/07/14 11:15	
2,4-Dimethylphenol	ug/L	ND	10.0	04/07/14 11:15	
2,4-Dinitrophenol	ug/L	ND	50.0	04/07/14 11:15	
2,4-Dinitrotoluene	ug/L	ND	10.0	04/07/14 11:15	
2,6-Dinitrotoluene	ug/L	ND	10.0	04/07/14 11:15	
2-Chloronaphthalene	ug/L	ND	10.0	04/07/14 11:15	
2-Chlorophenol	ug/L	ND	10.0	04/07/14 11:15	
2-Methylnaphthalene	ug/L	ND	10.0	04/07/14 11:15	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	04/07/14 11:15	
2-Nitroaniline	ug/L	ND	50.0	04/07/14 11:15	
2-Nitrophenol	ug/L	ND	10.0	04/07/14 11:15	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	04/07/14 11:15	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	04/07/14 11:15	
3-Nitroaniline	ug/L	ND	50.0	04/07/14 11:15	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	04/07/14 11:15	
4-Bromophenylphenyl ether	ug/L	ND	10.0	04/07/14 11:15	
4-Chloro-3-methylphenol	ug/L	ND	20.0	04/07/14 11:15	
4-Chloroaniline	ug/L	ND	20.0	04/07/14 11:15	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	04/07/14 11:15	
4-Nitroaniline	ug/L	ND	20.0	04/07/14 11:15	
4-Nitrophenol	ug/L	ND	50.0	04/07/14 11:15	
Acenaphthene	ug/L	ND	10.0	04/07/14 11:15	
Acenaphthylene	ug/L	ND	10.0	04/07/14 11:15	
Aniline	ug/L	ND	10.0	04/07/14 11:15	
Anthracene	ug/L	ND	10.0	04/07/14 11:15	
Benzo(a)anthracene	ug/L	ND	10.0	04/07/14 11:15	
Benzo(a)pyrene	ug/L	ND	10.0	04/07/14 11:15	
Benzo(b)fluoranthene	ug/L	ND	10.0	04/07/14 11:15	
Benzo(g,h,i)perylene	ug/L	ND	10.0	04/07/14 11:15	
Benzo(k)fluoranthene	ug/L	ND	10.0	04/07/14 11:15	
Benzoic Acid	ug/L	ND	50.0	04/07/14 11:15	
Benzyl alcohol	ug/L	ND	20.0	04/07/14 11:15	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	04/07/14 11:15	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	04/07/14 11:15	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	04/07/14 11:15	
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	04/07/14 11:15	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

METHOD BLANK: 1169541 Matrix: Water
Associated Lab Samples: 92195246012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	10.0	04/07/14 11:15	
Chrysene	ug/L	ND	10.0	04/07/14 11:15	
Di-n-butylphthalate	ug/L	ND	10.0	04/07/14 11:15	
Di-n-octylphthalate	ug/L	ND	10.0	04/07/14 11:15	
Dibenz(a,h)anthracene	ug/L	ND	10.0	04/07/14 11:15	
Dibenzofuran	ug/L	ND	10.0	04/07/14 11:15	
Diethylphthalate	ug/L	ND	10.0	04/07/14 11:15	
Dimethylphthalate	ug/L	ND	10.0	04/07/14 11:15	
Fluoranthene	ug/L	ND	10.0	04/07/14 11:15	
Fluorene	ug/L	ND	10.0	04/07/14 11:15	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	04/07/14 11:15	
Hexachlorobenzene	ug/L	ND	10.0	04/07/14 11:15	
Hexachlorocyclopentadiene	ug/L	ND	10.0	04/07/14 11:15	
Hexachloroethane	ug/L	ND	10.0	04/07/14 11:15	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	04/07/14 11:15	
Isophorone	ug/L	ND	10.0	04/07/14 11:15	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	04/07/14 11:15	
N-Nitrosodimethylamine	ug/L	ND	10.0	04/07/14 11:15	
N-Nitrosodiphenylamine	ug/L	ND	10.0	04/07/14 11:15	
Naphthalene	ug/L	ND	10.0	04/07/14 11:15	
Nitrobenzene	ug/L	ND	10.0	04/07/14 11:15	
Pentachlorophenol	ug/L	ND	25.0	04/07/14 11:15	
Phenanthrene	ug/L	ND	10.0	04/07/14 11:15	
Phenol	ug/L	ND	10.0	04/07/14 11:15	
Pyrene	ug/L	ND	10.0	04/07/14 11:15	
2,4,6-Tribromophenol (S)	%	94	27-110	04/07/14 11:15	
2-Fluorobiphenyl (S)	%	79	27-110	04/07/14 11:15	
2-Fluorophenol (S)	%	49	12-110	04/07/14 11:15	
Nitrobenzene-d5 (S)	%	77	21-110	04/07/14 11:15	
Phenol-d6 (S)	%	45	10-110	04/07/14 11:15	
Terphenyl-d14 (S)	%	94	31-107	04/07/14 11:15	

LABORATORY CONTROL SAMPLE: 1169542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	39.3	79	10-110	
1,2-Dichlorobenzene	ug/L	50	39.5	79	10-110	
1,3-Dichlorobenzene	ug/L	50	37.5	75	10-110	
1,4-Dichlorobenzene	ug/L	50	40.2	80	10-110	
1-Methylnaphthalene	ug/L	50	44.9	90	21-110	
2,4,5-Trichlorophenol	ug/L	50	47.1	94	23-116	
2,4,6-Trichlorophenol	ug/L	50	44.5	89	21-114	
2,4-Dichlorophenol	ug/L	50	49.6	99	22-120	
2,4-Dimethylphenol	ug/L	50	44.2	88	15-109	
2,4-Dinitrophenol	ug/L	250	141	56	10-103	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

LABORATORY CONTROL SAMPLE: 1169542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	50	52.1	104	24-119	
2,6-Dinitrotoluene	ug/L	50	53.4	107	25-116	
2-Chloronaphthalene	ug/L	50	41.7	83	18-110	
2-Chlorophenol	ug/L	50	43.0	86	10-104	
2-Methylnaphthalene	ug/L	50	45.5	91	16-110	
2-Methylphenol(o-Cresol)	ug/L	50	41.7	83	13-110	
2-Nitroaniline	ug/L	100	106	106	20-117	
2-Nitrophenol	ug/L	50	49.9	100	16-108	
3&4-Methylphenol(m&p Cresol)	ug/L	50	39.7	79	14-110	
3,3'-Dichlorobenzidine	ug/L	100	117	117	13-131	
3-Nitroaniline	ug/L	100	95.4	95	15-117	
4,6-Dinitro-2-methylphenol	ug/L	100	68.5	68	13-119	
4-Bromophenylphenyl ether	ug/L	50	43.5	87	23-120	
4-Chloro-3-methylphenol	ug/L	100	97.8	98	21-119	
4-Chloroaniline	ug/L	100	83.9	84	10-122	
4-Chlorophenylphenyl ether	ug/L	50	43.9	88	22-112	
4-Nitroaniline	ug/L	100	117	117	14-118	
4-Nitrophenol	ug/L	250	129	51	10-110	
Acenaphthene	ug/L	50	43.1	86	20-105	
Acenaphthylene	ug/L	50	43.1	86	23-106	
Aniline	ug/L	50	28.2	56	10-110	
Anthracene	ug/L	50	47.6	95	25-120	
Benzo(a)anthracene	ug/L	50	49.2	98	21-128	
Benzo(a)pyrene	ug/L	50	51.8	104	25-116	
Benzo(b)fluoranthene	ug/L	50	46.2	92	23-117	
Benzo(g,h,i)perylene	ug/L	50	50.7	101	17-128	
Benzo(k)fluoranthene	ug/L	50	42.7	85	25-127	
Benzoic Acid	ug/L	250	106	42	10-110	
Benzyl alcohol	ug/L	100	88.5	88	10-101	
bis(2-Chloroethoxy)methane	ug/L	50	40.7	81	19-107	
bis(2-Chloroethyl) ether	ug/L	50	41.2	82	10-108	
bis(2-Chloroisopropyl) ether	ug/L	50	39.2	78	10-108	
bis(2-Ethylhexyl)phthalate	ug/L	50	54.6	109	16-123	
Butylbenzylphthalate	ug/L	50	54.8	110	20-118	
Chrysene	ug/L	50	49.6	99	24-125	
Di-n-butylphthalate	ug/L	50	54.0	108	23-115	
Di-n-octylphthalate	ug/L	50	53.7	107	20-115	
Dibenz(a,h)anthracene	ug/L	50	53.6	107	18-131	
Dibenzofuran	ug/L	50	47.4	95	23-106	
Diethylphthalate	ug/L	50	45.0	90	24-115	
Dimethylphthalate	ug/L	50	45.6	91	22-113	
Fluoranthene	ug/L	50	58.0	116	24-125	
Fluorene	ug/L	50	46.7	93	24-114	
Hexachloro-1,3-butadiene	ug/L	50	39.5	79	10-110	
Hexachlorobenzene	ug/L	50	45.8	92	22-127	
Hexachlorocyclopentadiene	ug/L	50	28.7	57	10-110	
Hexachloroethane	ug/L	50	36.7	73	10-110	
Indeno(1,2,3-cd)pyrene	ug/L	50	54.5	109	18-130	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

LABORATORY CONTROL SAMPLE: 1169542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isophorone	ug/L	50	46.3	93	23-114	
N-Nitroso-di-n-propylamine	ug/L	50	34.4	69	21-114	
N-Nitrosodimethylamine	ug/L	50	20.7	41	10-110	
N-Nitrosodiphenylamine	ug/L	50	37.3	75	24-123	
Naphthalene	ug/L	50	42.6	85	14-110	
Nitrobenzene	ug/L	50	42.2	84	16-106	
Pentachlorophenol	ug/L	100	110	110	10-123	
Phenanthrene	ug/L	50	45.3	91	25-119	
Phenol	ug/L	50	25.0	50	10-110	
Pyrene	ug/L	50	45.5	91	22-127	
2,4,6-Tribromophenol (S)	%			108	27-110	
2-Fluorobiphenyl (S)	%			90	27-110	
2-Fluorophenol (S)	%			53	12-110	
Nitrobenzene-d5 (S)	%			87	21-110	
Phenol-d6 (S)	%			43	10-110	
Terphenyl-d14 (S)	%			95	31-107	

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

QC Batch: PMST/6417 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92195246001, 92195246002, 92195246003, 92195246004, 92195246005, 92195246006, 92195246007, 92195246008, 92195246009, 92195246010, 92195246011

SAMPLE DUPLICATE: 1168434

Parameter	Units	92195002003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	73.0	72.7	1	25	

SAMPLE DUPLICATE: 1168435

Parameter	Units	92195158028 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	87.5	87.4	0	25	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g	The internal standard response is below criteria. No hits associated with this internal standard. Results unaffected by high bias.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
IO	The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Parcel 87 WBS35781.1.2
Pace Project No.: 92195246

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92195246001	**87-HA-01 (1')**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246002	**87-HA-01 (3.5')**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246003	**87-HA-02**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246004	**87-HA-03**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246005	**87-HA-04**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246006	**87-HA-05**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246007	**87-HA-06**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246008	**87-HA-07**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246009	**87-HA-08 (1')**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246010	**87-HA-08 (4')**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246011	**87-HA-09 (2')**	EPA 3546	OEXT/26755	EPA 8270	MSSV/8950
92195246012	**87-TMW-01**	EPA 3510	OEXT/26804	EPA 8270	MSSV/8948
92195246012	**87-TMW-01**	EPA 8260	MSV/26292		
92195246001	**87-HA-01 (1')**	EPA 8260	MSV/26361		
92195246002	**87-HA-01 (3.5')**	EPA 8260	MSV/26361		
92195246003	**87-HA-02**	EPA 8260	MSV/26361		
92195246004	**87-HA-03**	EPA 8260	MSV/26361		
92195246005	**87-HA-04**	EPA 8260	MSV/26361		
92195246006	**87-HA-05**	EPA 8260	MSV/26361		
92195246007	**87-HA-06**	EPA 8260	MSV/26361		
92195246008	**87-HA-07**	EPA 8260	MSV/26361		
92195246009	**87-HA-08 (1')**	EPA 8260	MSV/26361		
92195246010	**87-HA-08 (4')**	EPA 8260	MSV/26361		
92195246011	**87-HA-09 (2')**	EPA 8260	MSV/26361		
92195246001	**87-HA-01 (1')**	ASTM D2974-87	PMST/6417		
92195246002	**87-HA-01 (3.5')**	ASTM D2974-87	PMST/6417		
92195246003	**87-HA-02**	ASTM D2974-87	PMST/6417		
92195246004	**87-HA-03**	ASTM D2974-87	PMST/6417		
92195246005	**87-HA-04**	ASTM D2974-87	PMST/6417		
92195246006	**87-HA-05**	ASTM D2974-87	PMST/6417		
92195246007	**87-HA-06**	ASTM D2974-87	PMST/6417		
92195246008	**87-HA-07**	ASTM D2974-87	PMST/6417		
92195246009	**87-HA-08 (1')**	ASTM D2974-87	PMST/6417		
92195246010	**87-HA-08 (4')**	ASTM D2974-87	PMST/6417		
92195246011	**87-HA-09 (2')**	ASTM D2974-87	PMST/6417		

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: December 16, 2013 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.13**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Catlin/NCDOT

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 T1301 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 1.4 °C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C **Comments:**

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: EW 3/29/14

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☒No EW 3/29/14	3/29/14
Samples checked for dechlorination:	☑Yes ☐No ☒N/A EW	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☒N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted:_____ Date/Time:_____

Comments/ Resolution:_____

SCURF Review: AMB AF TMD Date: 3-29-14

SRF Review: AMB Date: 3-31-14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Place label here

WO# : 92195246

92195246

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1657280

Section A Required Client Information:

Company:	CATLIN/NCDOT
Address:	220 old Dairy Rd. Wilmington, NC 28405
Email To:	ben.ashley@catlinusa.com
Phone:	910-452-5861
Fax:	910-452-7563
Requested Due Date/TAT:	STANDARD

Section B Required Project Information:

Report To:	Ben Ashley@CATLIN
Copy To:	Gordon Box@NCDOT
	WBS: 35781.1.2 Pitt County
Purchase Order No.:	U-3315
Project Name:	NCDOT 10th St. Greenville
Project Number:	23161 Parcel 87

Section C Invoice Information:

Attention:	
Company Name:	NCDOT GeoEnviro
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	5838-2, 1

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER DSA

Site Location STATE: NC

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: 8260 & 8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	87-HA-01 (1')	SL	G			3.27.14	1330		5	2					2	1		✓	N	92195246 001
2	87-HA-01 (3.5')						1335													002
3	87-HA-02						1345													003
4	87-HA-03						1350													004
5	87-HA-04						1400													005
6	87-HA-05						1405													006
7	87-HA-06						1410													007
8	87-HA-07						1415													008
9	87-HA-08 (1')						1420													009
10	87-HA-08 (4')						1430													010
11	87-HA-09 (2')	↓	↓			↓	1435		↓	↓					↓	↓		↓	↓	011
12	87-TMW-01	WT	↓			3.28.14	930		8	↓			6					↓	↓	012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Ben Ashley/CATLIN	3.28.14	5:07	J. Dixon / Pace	3.28	5:07				
					3/29/14	0930	1.4	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ben Ashley

SIGNATURE of SAMPLER: Ben Ashley

DATE Signed (MM/DD/YY): 03/28/14

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

APPENDIX D
PHOTOGRAPHS

PARCEL 087, FORMER BOBBY BOWDEN PROPERTY – VACANT LOT
921 DICKINSON AVE.

From near northwest property corner looking south along the western property line.

From near northeast property corner looking west along the northern property line. Temporary well (87-TMW-01) located along proposed drainage line.

PARCEL 087, FORMER BOBBY BOWDEN PROPERTY – VACANT LOT
921 DICKINSON AVE.

From Dickinson Ave. north of the site looking southwest across site. Geophysical anomaly (suspected UST) outlined with white paint on street in foreground. Soil sample 87-HA-09 (2') location indicated at edge of sidewalk with pink spray paint (upside down number 9). Temporary well 87-TMW-01 with pink flags atop PVC riser.