Schnabel ENGINEERING

May 12, 2016

Mr. Gordon H. Box, LG
NCDOT, Geotechnical Engineering Unit
1020 Birch Ridge Drive
Raleigh, NC 27610

RE:
State Project: U-3109A
WBS Element: 34900.1.2
County: Alamance
Description: **Mebane-NC 119 Relocation from I-40/85 to Mebane Rogers Rd.**

Subject: **Report on Preliminary Site Assessment for Parcel 048, Craftique Properties, Mebane, NC**
Schnabel Engineering Project 14821010.16

Dear Mr. Box,

SCHNABEL ENGINEERING SOUTH, P.C. (Schnabel) is pleased to submit our report for this project. This study was performed in accordance with our proposal dated March 9, 2016 as authorized by the Notice to Proceed on April 1, 2016 and was conducted under our May 16, 2014 Agreement with the NCDOT.

We appreciate the opportunity to be of service for this project. Please call us if you have any questions regarding this report.

Sincerely,

SCHNABEL ENGINEERING SOUTH, P.C.

Benjamin L. Bradley, GIT
Project Geologist

Gregory B. Kuntz, LG
Senior Vice President

GK/BB

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PRELIMINARY SITE ASSESSMENT
PARCEL 048, CRAFTIQUE PROPERTIES
STATE PROJECT U-3109A, WBS ELEMENT 34900.1.2, ALAMANCE COUNTY

MEBANE-NC 119 RELOCATION FROM I-40/85 TO MEBANE ROGERS RD
MEBANE, NORTH CAROLINA

Schnabel Reference # 14821010.16

May 12, 2016

Schnabel ENGINEERING

North Carolina Department of Transportation
PRELIMINARY SITE ASSESSMENT
PARCEL 048, CRAFTIQUE PROPERTIES
State Project U-3109A, WBS Element 34900.1.2, Alamance County
Mebane-NC 119 Relocation from I-40/85 to Mebane Rogers Rd.
Mebane, North Carolina

TABLE OF CONTENTS

1.0 INTRODUCTION

The North Carolina Department of Transportation (NCDOT) is planning to relocate NC 119 (S. 5th Street) from I-85/40 to Mebane Rogers Road in the Town of Mebane, located in Alamance County, North Carolina. Schnabel Engineering conducted a Preliminary Site Assessment (PSA) to investigate the extent and depth of three waste areas located on the parcel of land within the proposed alignment and/or right-of-way that is of concern to the NCDOT. The portion of each waste area located within the proposed alignment or right-of-way was investigated.

This report summarizes the results of field activities conducted during the PSA at Parcel 048 owned by Craftique Properties (Study Area). The Craftique Properties is located at 1257 W. Center Street, Mebane, NC (Figure 1). The property is located on the north side of W. Center Street in Mebane.

The scope of work executed at the site was performed in general accordance with our revised cost proposal dated March 9, 2016 and was initiated based on a verbal Notice to Proceed issued by the NCDOT Professional Services Management Unit on March 10, 2016 under contract 7000015371, dated May 16, 2014.

2.0 BACKGROUND AND SITE DESCRIPTION

A large shed is located near the southwestern corner of the property. The shed appears to have been used to store furniture supplies and materials. The southern part of the shed is enclosed and the northern part of the shed is open. Three 55-gallon drums were observed on the outside wall of the northern side of the shed, but appeared to be empty. A fence with barbed wire was observed on the southern half of the property along the southern, eastern, and western property boundaries. The northern part of the Study Area was covered with thick brush including dense briars and deciduous saplings. A few larger trees of three to four feet in diameter were also observed. A 24-inch bored concrete well was observed on the southeast-central part of the property. The concrete cap is missing and the well is filled with vegetation including leaves, sticks, and muck. The well is located outside of the Study Area. Utilities including buried gas and water lines and overhead electric lines are located on the southern property line along W. Center Street.

Three areas of waste are located in the Study Area. Area 1 is located about 200 feet north of the small shed, Area 2 is located about 150 feet northwest of the small pond located on the north-central part of the property, and Area 3 is located immediately north of the northeastern part of the fence line. Areas 1 through 3 consisted of hummocky topography with partially buried waste material including metal, glass, concrete, and plastic. Photographs of the Study Area are attached in Appendix A.

3.0 FIELD METHODOLOGY

The field work consisted of brush clearing, geophysical surveys, Geoprobe® borings, Ultra-Violet Fluorescence (UVF) analyses of soils, and soil sampling. On March 21, 2016, our drilling subcontractor, Elite Techniques, Inc. cleared vegetation from the boring and geophysical survey access areas using a Kubota LA1065 Tractor with Woods BB72 bush-hog.

The geophysical field work described in this report was performed on March 22 through March 24, 2016, March 30, 2016, and April 14, 2016 by Schnabel. The purpose of the geophysical surveys was to help evaluate potential environmental liability issues and the presence of buried waste in portions of the NCDOT right-of-way and/or easement on the Study Area. The geophysical surveys consisted of electromagnetic (EM) induction surveys and ground penetrating radar (GPR) surveys. The EM surveys were performed using a Geonics EM31-MK2 (EM31) and the GPR surveys were performed over selected EM31 anomalies using a Geophysical Survey Systems SIR-3000 system equipped with a 400 MHz antenna instrument. The report on the geophysical surveys is included in Appendix B.

Prior to mobilizing to the site to begin the drilling and subsurface sampling, Schnabel Engineering contacted North Carolina One Call to locate underground utilities in the Study Area.

One hole was bored down in the drainage cut on the west central part of the Study Area for the purpose of installing a temporary well (TW-01). However, refusal was encountered at a depth of fifteen feet, and the boring was dry. Therefore a well was not installed and a groundwater sample was not collected.

Soil borings designated B-1 through B-9, and B-13 through B-19 were advanced in the Study Area on April 23 and 24, 2016. Three borings were advanced near the shed on the southwest part of the Study Area, three borings each were advanced in Waste Areas 1, 2 and 3, and the remainder 6 borings were advanced where proposed cuts and drainages were planned. The locations of the soil borings are shown on Figure 3. The borings were advanced to a total depth of 10 to 15 feet below ground surface (bgs), unless refusal occurred. The borings were advanced utilizing a track-mounted Geoprobe® (Model 7822-DT) with direct push probe technology. At the completion of the sampling activities, the borings were backfilled with soil removed from the boring during sampling and/or bentonite chips.

Soils for field screening were obtained from the borings using a MacroCore® sampler fitted with a new, single-use, five-foot long disposable polyvinyl chloride (PVC) liner. A composite sample of each 5-foot interval was placed in a separate re-sealable plastic bag. These bags were sealed and placed at ambient temperature for field screening with a MiniRAE 3000 (Serial Number: 592-908497) photo ionization detector (PID). Volatiles were allowed to accumulate in the headspace of each bag for approximately 15 minutes, and then the headspace of each sealed bag was scanned with the PID. Headspace screening of

the soil samples indicated zero ppm at each boring location. The PID was calibrated on March 17 and 23, 2016 in general accordance with the manufacturer's recommended calibration procedures. The PID readings were recorded with the soil descriptions and indications of staining or odors, if present. Logs for each boring are presented in Appendix C.

Two samples per boring were collected in Waste Areas 1, 2, and 3. One composite sample was collected within the waste for waste characterization and one sample was collected in the native soil located directly beneath the waste to evaluate the potential for underlying soil impact. The waste characterization and native soil samples were collected from individual borings and composited across the depth intervals within that boring.

Field hydrocarbon analysis was performed by Schnabel utilizing a QED HC -1 Ultraviolet Light Fluorescence (UVF) analyzer from QROS where there was the potential for petroleum impact based on historical site records. Soil samples collected from borings advanced in proposed drainage and cut areas and the three waste areas were submitted for laboratory analysis to Pace Analytical in Hampstead, NC. Sample information was recorded on the Chain-of-Custody form and the samples were submitted for chemical analysis of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, and TCLP RCRA 8 Metals by Method 6010. The Summary of Laboratory Results is shown on Table 1.

Soils collected from borings within the Study Area generally consisted of light orangish brown Silt (ML) or orange Elastic Silt (MH). GPS coordinates for each boring were obtained using a Trimble Pro-XRS DGPS system (Appendix D) with coordinates reported in US State Plane 1983 system, North Carolina 3200 zone, using the NAD 83 datum, with units in US survey feet.

4.0 DISCUSSION OF RESULTS

The boring samples submitted for analysis showed that VOCs, SVOCs, and TCLP RCRA 8 metals were below regulatory limits or not detected (Table 1). The UVF samples analyzed in the field by a certified UVF technician showed that TPH-DRO and TPH-GRO were detected at trace concentrations below 10 mg/Kg in the samples or not detected. Laboratory reports for these samples are presented in Appendix E.

5.0 SUMMARY AND CONCLUSIONS

The geophysical survey we conducted at the site contained areas of elevated in-phase and conductivity readings that were further investigated by collecting GPR data. The GPR data does not suggest the

presence of large amounts of buried metal drums or tanks. The approximate lateral extent of the three waste areas and the approximate waste volume is shown on Figure 3.

Borings were advanced on the Craftique property to evaluate potential petroleum, VOC, SVOC, and metal impact within the Study Area, and to assess the volume and limits of three separate waste areas partially located in the Study Area. PID readings were zero from the soil samples collected from the borings. The laboratory analytical results from soil samples taken from borings showed that VOC's, SVOCs, and metals were below standards in the soil samples. The laboratory analytical results showed that barium, cadmium, chromium, and lead were present in various soil samples collected from the borings at levels below the listed TCLP Regulatory Levels *(Hazardous Waste Identification, 40 CFR Parts 261, September 2005).*

Waste was not observed in the individual borings advanced in the waste areas, Waste volumes were obtained from thickness of fill material in the borings. The volume of Waste Area 1 is about 260 cubic yards (cy), Waste Area 2 is about 297 cy, and the volume of Waste Area 3 is about 155 cy. Surficial and partially buried waste including crushed metal cans or drums, glass, tires, and concrete and/or brick was observed in proximity to the borings.

6.0 RECOMMENDATIONS

Impacted soil is not expected to be encountered during construction activities in the right-of-way of the Craftique Properties. Soil samples collected in the waste areas did not show impact. Some waste may be encountered during construction activities, and may include crushed metal cans or drums, glass, tires, and concrete and/or brick. The DOT may choose to place the excavated waste on the property outside of the Study Area, or have the waste hauled to an active landfill. Based on discussions with the NCDOT, additional assessment of this site is not recommended.

7.0 LIMITATIONS

This Preliminary Site Assessment was prepared for the use of the North Carolina Department of Transportation. The scope of work performed at the site is limited to the tasks described in our revised cost proposal dated March 9, 2016. This report is not intended to represent an exhaustive research of all potential hazards that may exist. Schnabel makes no other declarations, or any express or implied warranty, as to the professional services provided under the terms of the agreement.

TABLE

TABLE 1
SUMMARY OF LABORATORY RESULTS
CRAFTIQUE PROPERTIES
NCDOT U-3109A, ALAMANCE COUNTY

Boring No.	Matrix	Volatile Organic Compounds (VOCs) 8260 (mg/Kg)		Semi-Volatile Organic Compounds (SVOCs) 8270 (mg/Kg)			TCLP RCRA 8 Metals (mg/L)							
		p-Isopropyltoluene	All other VOC Constituents	Acetone	Di-n-butylphthalate	All other SVOC Constituents	Mercury	Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver
B-1 (0-5 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND
B-2 (0-5 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DUP-1	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-3 (0-5 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DUP-2	Soil	ND	ND	ND	ND	ND	ND	ND	0.26	ND	ND	ND	ND	ND
B-3 (5-10 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.34	ND	ND	ND	ND	ND
B-4 (0-5 ft)	Soil	0.0579	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	ND
B-5 (0-5 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.32	ND	ND	0.026	ND	ND
B-7 (5-10 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.92	ND	ND	ND	ND	ND
B-13 (0-5 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.28	ND	ND	ND	ND	ND
B-14 (0-1 ft)	Soil	ND	ND	0.207	ND	ND	ND	ND	0.43	ND	ND	ND	ND	ND
B-14 (1-2 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-15 (0-1.5 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.40	ND	ND	ND	ND	ND
B-15 (1.5-2.5 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	ND
B-16 (0-1 ft)	Soil	ND	ND	ND	0.512	ND	ND	ND	0.68	ND	ND	ND	ND	ND
B-16 (1-2 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-17 (1-2 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.43	ND	ND	ND	ND	ND
B-17 (8-9 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.36	ND	0.052	ND	ND	ND
B-18 (1-2 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.35	ND	ND	ND	ND	ND
B-18 (4-5 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.66	ND	ND	ND	ND	ND
B-19 (0-1.5 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.64	0.055	ND	0.050	ND	ND
B-19 (2-3 ft)	Soil	ND	ND	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND
Regulatory Concentrations														
MSCC-Soil-to-Water Maximum Contaminant Concentration (mg/Kg)	Soil	1.7	Various	24	NA	Various	NA	NA	NA	NA	NA	NA	NA	NA
Commercial/Industrial Soil Cleanup Levels (mg/Kg)	Soil	40,880	Various	360,000	NA	Various	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Regulatory Levels (mg/L)	Soil	NA	NA	NA	NA	NA	0.2	5.0	100	1.0	5.0	5.0	1.0	5.0

NA- Not Applicable
ND - Not Detected
Listed Regulatory Concentrations are from UST Section Guidelines
for the Investigation and Remediation of Contamination from Non-UST Petroleum Releases (effective April 16, 2012)
TCLP Regulatory Levels (Hazardous Waste Identification, 40 CFR Parts 261, September 2005)

FIGURES

Source: Alamance County, NC, GIS Department

Projection: NAD 1983 State Plane North Carolina FIPS 3200 Feet

240 120 0 240 Feet

Scale: 1:3,000

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SITE PROJECT U-3109A, PARCEL 48 PSA
ALAMANCE COUNTY, NORTH CAROLINA
NC DEPARTMENT OF TRANSPORTATION
PROJECT NO. 14821010.16

VICINITY MAP

FIGURE 1

Source: Alamance County, NC, GIS Department

Projection: NAD 1983 State Plane North Carolina FIPS 3200 Feet

Scale: 1:2,400

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SITE PROJECT U-3109A, PARCEL 48 PSA
ALAMANCE COUNTY, NORTH CAROLINA
NC DEPARTMENT OF TRANSPORTATION
PROJECT NO. 14821010.16

SITE MAP

FIGURE 2

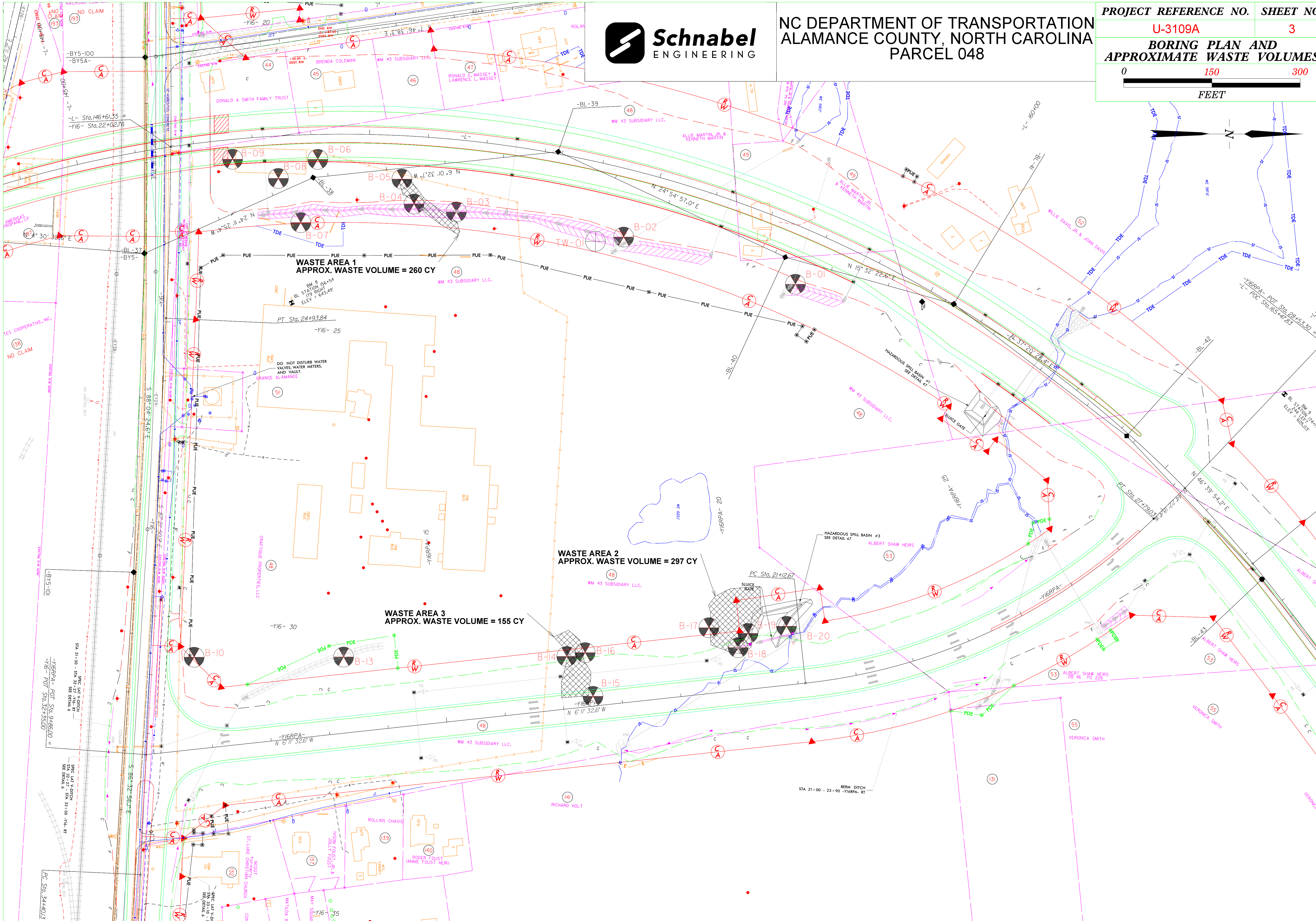
Schnabel ENGINEERING

NC DEPARTMENT OF TRANSPORTATION
ALAMANCE COUNTY, NORTH CAROLINA
PARCEL 048

PROJECT REFERENCE NO.	SHEET NO.
U-3109A	3

BORING PLAN AND APPROXIMATE WASTE VOLUMES

0 150 300
FEET



WASTE AREA 1
APPROX. WASTE VOLUME = 260 CY
WASTE AREA 2
APPROX. WASTE VOLUME = 297 CY
WASTE AREA 3
APPROX. WASTE VOLUME = 155 CY
B-01
B-02
B-03
B-04
B-05
B-06
B-07
B-08
B-09
B-10
B-13
B-14
B-15
B-16
B-17
B-18
B-19
B-20
TW-01
N
HAZARDOUS SPILL BASIN #3
SEE DETAIL 47
SLUICE GATE
DO NOT DISTURB WATER VALVES, WATER METERS, AND VAULT.
PT Sta. 24+93.84
PC Sta. 21+12.61
WM 43 SUBSIDIARY LLC.
ALBERT SHAW HEIRS
VERONICA SMITH
RICHARD HOLT
ROLLINS CHAVIS
DONALD A. SMITH FAMILY TRUST
BRENDA COLEMAN
BERM DITCH
STA 21+00 - 23+90 -Y16RPA- RT

04/16/11

PROJECT REFERENCE NO.	SHEET NO.
U-3109A	3A

Note: Not to Scale

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin — EIP
- Property Corner
- Property Monument — ECM
- Parcel/Sequence Number — 123
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — WLB
- Proposed Wetland Boundary — WLB
- 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 — S
- Well — W
- 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 — RW
- Proposed Right of Way Line with Iron Pin and Cap Marker — RW
- Proposed Right of Way Line with Concrete or Granite R/W Marker — RW
- Proposed Control of Access Line with Concrete C/A Marker — CA
- Existing Control of Access — CA
- Proposed Control of Access — CA
- 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
- 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
- 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 — C
- 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
- 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
- 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 — S
- Utility Unknown U/G Line — ?UTL
- 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.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

APPENDIX A
PHOTOGRAPHS

Large shed located on southwestern part of Study Area

Three 55-gallon drums observed on northern side of shed in Study Area.

Schnabel ENGINEERING	STATE PROJECT U-3109A ALAMANCE CO., NORTH CAROLINA NC DEPT. OF TRANSPORTATION PROJECT NO. 14821010.16	PARCEL 048, CRAFTIQUE SITE PHOTOS Figure A-1

Area 1 – Hummocky topography and observed waste in Study Area.

Area 1 – Hummocky topography in Study Area

Schnabel ENGINEERING

STATE PROJECT U-3109A
ALAMANCE CO., NORTH CAROLINA
NC DEPT. OF TRANSPORTATION
PROJECT NO. 14821010.16

PARCEL 048,
CRAFTIQUE
SITE PHOTOS

Figure A-2

Area 2 – Hummocky topography, change in vegetation in Study Area.

Area 2 – Hummocky topography, change in vegetation in Study Area

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STATE PROJECT U-3109A
ALAMANCE CO., NORTH CAROLINA
NC DEPT. OF TRANSPORTATION
PROJECT NO. 14821010.16

PARCEL 048,
CRAFTIQUE
SITE PHOTOS

Figure A-3

Area 3 – Exposed waste and hummocky topography in Study Area

Area 3 – Exposed waste and hummocky topography in Study Area

Schnabel ENGINEERING

STATE PROJECT U-3109A
ALAMANCE CO., NORTH CAROLINA
NC DEPT. OF TRANSPORTATION
PROJECT NO. 14821010.16

PARCEL 048,
CRAFTIQUE
SITE PHOTOS

Figure A-4

Water and sewer located along W. Center Street in Study Area

Probable water well at edge of Study Area (inside the fence near US 70 on the east side of the site)

Schnabel ENGINEERING	STATE PROJECT U-3109A ALAMANCE CO., NORTH CAROLINA NC DEPT. OF TRANSPORTATION PROJECT NO. 14821010.16	PARCEL 048, CRAFTIQUE SITE PHOTOS Figure A-5

North end of reinforced concrete pipe in Study Area (near the southwest corner of the site)

South end of reinforced concrete pipe in Study Area (near the southwest corner of the site)

APPENDIX B
GEOPHYSICAL SURVEY REPORT

Schnabel ENGINEERING

May 4, 2016

Mr. Mohammed A. Mulla, P.E., CPM, MCE
NCDOT, Geotechnical Engineering Unit
1020 Birch Ridge Drive
Raleigh, NC 27610

RE:	State Project:	U-3109A
	WBS Element:	34900.1.2
	County:	Alamance
	Description:	Mebane – NC 119 Relocation from I-40/85 to Mebane Rogers Road

Subject: **Project 14821010.16, Report on Geophysical Surveys**
Craftique Property (Parcel 48), Mebane, North Carolina

Dear Mr. Mulla:

SCHNABEL ENGINEERING SOUTH, PC (Schnabel) is pleased to present this report on the geophysical surveys we performed on the subject property. The report includes four 11x17 inch color figures and two 8.5x11 inch color figures. This study was performed in accordance with our revised proposal for Preliminary Site Assessment to locate possible buried metallic waste, drums, and USTs dated March 9, 2016, as approved by Terry Farr (NCDOT) on April 1, 2016. Gordon Box (NCDOT) provided a verbal notice to proceed on March 10, 2016.

INTRODUCTION

The geophysical field work described in this report was performed on March 22 through March 24, 2016, March 30, 2016, and April 14, 2016 by Schnabel. The purpose of the geophysical surveys was to help evaluate potential environmental liability issues and the presence of buried waste in portions of the NCDOT right-of-way and/or easement on Parcel 48 (Craftique Property). The property is located on the north side of US 70 (W. Center St.) in Mebane, NC.

The geophysical surveys consisted of electromagnetic (EM) induction surveys and ground penetrating radar (GPR) surveys. The EM surveys were performed using a Geonics EM31-MK2 (EM31) instrument. The EM31 is a conductivity meter that measures apparent conductivity (quadrature response) and magnetic susceptibility (in-phase response) and stores data digitally for later processing and review. Sensitivity to metallic objects is dependent on the size, depth, and orientations of the buried objects, and the amount of noise (i.e. response from spurious metallic objects) in the area. The EM31 can provide

measurements to an effective depth of approximately 6 meters (approximately 20 feet) or less when operated in the vertical dipole orientation. The EM31 makes measurements by creating multiple electromagnetic pulses and then measuring the response after each pulse is generated.

GPR surveys were performed over selected EM31 anomalies using a Geophysical Survey Systems SIR-3000 system equipped with a 400 MHz antenna, to further evaluate EM responses that could indicate potential buried metallic waste, drums, and USTs. The depth penetration of the GPR signal, when using a 400 MHz antenna, is normally limited to 6 feet or less in geologic conditions such as present at the site.

Photographs of the equipment used are shown on Figure 1.

FIELD METHODOLOGY

We obtained locations of geophysical data points using a sub-meter Trimble Geo7X 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, guy wires, etc.) and some locations where we saw surficial waste with the DGPS for later correlation with the geophysical data and a digital site plan provided by the NCDOT.

The EM31 data were initially collected over the open portions of the planned survey area and in portions of the survey area that were cleared on March 21, 2016. The EM31 and DGPS data were recorded digitally using a field computer and later transferred to a desktop computer for data processing. The initial EM31 data were acquired on March 22 through March 24, 2016, and March 30, 2016 with the instrument in the vertical dipole configuration. Additional clearing was performed by Carolina Mulching Co. on April 13, 2016, and additional EM31 data were acquired on April 14, 2016 with the instrument in the vertical dipole configuration. The EM31 data were generally collected along approximately parallel survey lines spaced approximately 10 feet apart, except for some areas where only walking paths were available and EM31 data were collected along single transects. The GPR data were collected along survey lines over selected portions of anomalous EM readings not attributed to cultural features. The GPR data were reviewed in the field to evaluate data quality and signal penetration depth. The GPR data also were recorded digitally and later transferred to a desktop computer for further review.

DISCUSSION OF RESULTS

On April 4, 2016, we discussed the preliminary results of the EM data collected up to that date, with Gordon Box and Cyrus Parker (NCDOT). We also discussed the planned GPR data collection and made plans to get additional areas cleared to allow for collection of additional EM31 and the planned electrical resistivity imaging (ERI) data. We also discussed proceeding with collection of the ERI data along three transects spanning Area 2 and Area 3 in the northeastern portion of the planned geophysical survey area. We also agreed that the planned ERI data collection for Area 1 was not necessary since the observed waste appeared to be surficial. Gordon Box subsequently informed us via a telephone call on April 18, 2016 that the proposed ERI surveys in Area 2 and Area 3 were no longer needed.

The contoured EM31 data collected over the subject property and the GPR survey area locations are shown on Figures 2 and 3, which show the EM31 quadrature (conductivity) response for the western and

eastern portions of the site, respectively, and Figures 4 and 5, which show the EM31 in-phase response for the western and eastern portions of the site, respectively. We were not able to access large portions of the planned survey area due to thick vegetation that was not able to be cleared in the time allotted. Areas outside the colored, contoured EM31 data were not surveyed. The terrain conductivity data for this site show typical conductivity values for soils in this area over much of the area surveyed (light blue to light yellow colors, Figures 2 and 3). Based on our interpretation of GPR data we collected, the linear low-conductivity (dark blue and purple colors) anomalies in the southwestern portion of the site (Figure 2) are likely attributable to buried reinforced concrete pipes and a corrugated metal pipe. In addition to our GPR data interpretation, we were able to visually observe the ends of the long reinforced concrete pipe and a portion of the top of the corrugated metal pipe. The low-conductivity anomalies in the southwestern portion of the area shown in Figure 3 are attributable to metal reinforcement in concrete. The higher values (orange and red colors) of conductivity adjacent to US 70 (W. Center St.) and James Walker Rd. are likely attributable to the buried utilities and other metal objects near the ground surface, as well as potential influence from the overhead power lines. Higher values of conductivity were also measured near the metallic fences at the western and eastern ends of the site.

In-phase data refer to the magnetic susceptibility measurements from the EM31. In-phase data show the response from concentrations of buried metal and from metal objects on the ground surface. Small, isolated in-phase anomalies probably represent individual metal objects that are on the ground surface or are buried at shallow depths. The in-phase data (Figures 4 and 5) contain several anomalous areas (darker blue colors) that we investigated with GPR (as shown on Figures 4 and 5). Similar to the conductivity data, anomalous areas in the in-phase response in the southwestern portion of the site (Figure 4) are likely attributable to buried reinforced concrete pipes and a corrugated metal pipe, and the in-phase anomalies in the southwestern portion of the area shown in Figure 5 are attributable to metal reinforcement in concrete. GPR data collected over a portion of the concrete pad furthest to the west suggest it contains wire mesh in addition to metal bars, whereas the other three concrete pads only appear to contain metal bars. This likely explains why there are stronger in-phase responses at the westernmost concrete pad than at the others nearby. We investigated an in-phase anomaly by collecting GPR data adjacent to the metal fence nearly parallel to US 70 on the east side of the site. That EM anomaly is attributed to a greater concentration of metal on the fence (additional fence supports) in that area. The GPR data we collected in two other GPR survey areas in the southeastern portion of the site appear to show some small anomalies in the uppermost 4 feet, but these anomalies do not appear to be related to extensive buried metallic waste, drums, or USTs. We recorded the locations of a few of the more significant GPR reflections we encountered in those areas (Figures 3 and 5). Example GPR images showing the GPR reflections we noted on Figures 3 and 5 are included on Figure 6. The GPR data in each survey area do not appear to suggest the presence of large amounts of buried metal, drums, or tanks.

CONCLUSIONS

The EM data we collected (shown in Figures 2 through 5) contained areas of elevated in-phase and conductivity readings that were further investigated by collecting GPR data. The GPR data do not appear to suggest the presence of large amounts of buried metal, drums, or tanks.

LIMITATIONS

These services have been performed and this report prepared for 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
Project Geophysicist

Joel C. Daniel, LG
Senior Geophysicist

JWW:JCD
Attachments: Figures (6)
cc: Gordon Box - NCDOT
FILE: G:\2014\GREENSBORO\14821010.00_NCDOT_2014_GEOTECHNICAL_UNIT_SERVICES\14821010.16_U-3109A_ALAMANCE_CO_CRAFTIQUE\03-SE PRODUCTS\03-REPORTS\02-FINAL\GEOPHYSICS\SCHNABEL REPORT ON PARCEL 48 (U-3109A) FINAL.DOCX

Attachments:

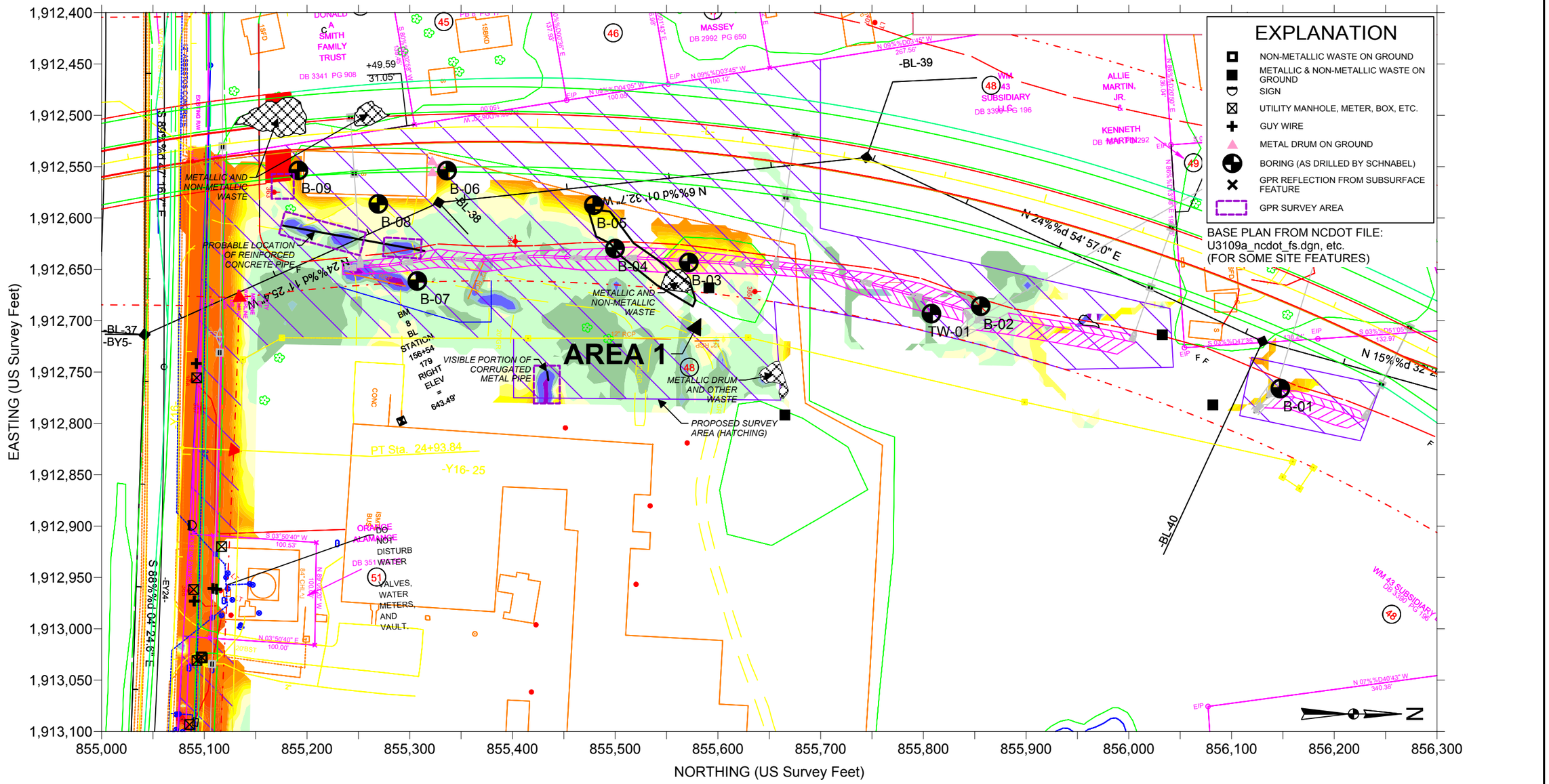
- Figure 1 - Photos of Geophysical Equipment Used
- Figure 2 - EM31 Quadrature (Conductivity) Response: Western Portion of Site
- Figure 3 - EM31 Quadrature (Conductivity) Response: Eastern Portion of Site
- Figure 4 - EM31 In-Phase Response: Western Portion of Site
- Figure 5 - EM31 In-Phase Response: Eastern Portion of Site
- Figure 6 - Example GPR Images

Geonics EM31-MK2 Conductivity Meter with Trimble DGPS Unit

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

Note: Only the lower photograph was taken at this project site.

Schnabel ENGINEERING	STATE PROJECT U-3109A NC DEPT. OF TRANSPORTATION ALAMANCE CO., NORTH CAROLINA PROJECT NO. 14821010.16	PHOTOS OF GEOPHYSICAL EQUIPMENT USED FIGURE 1



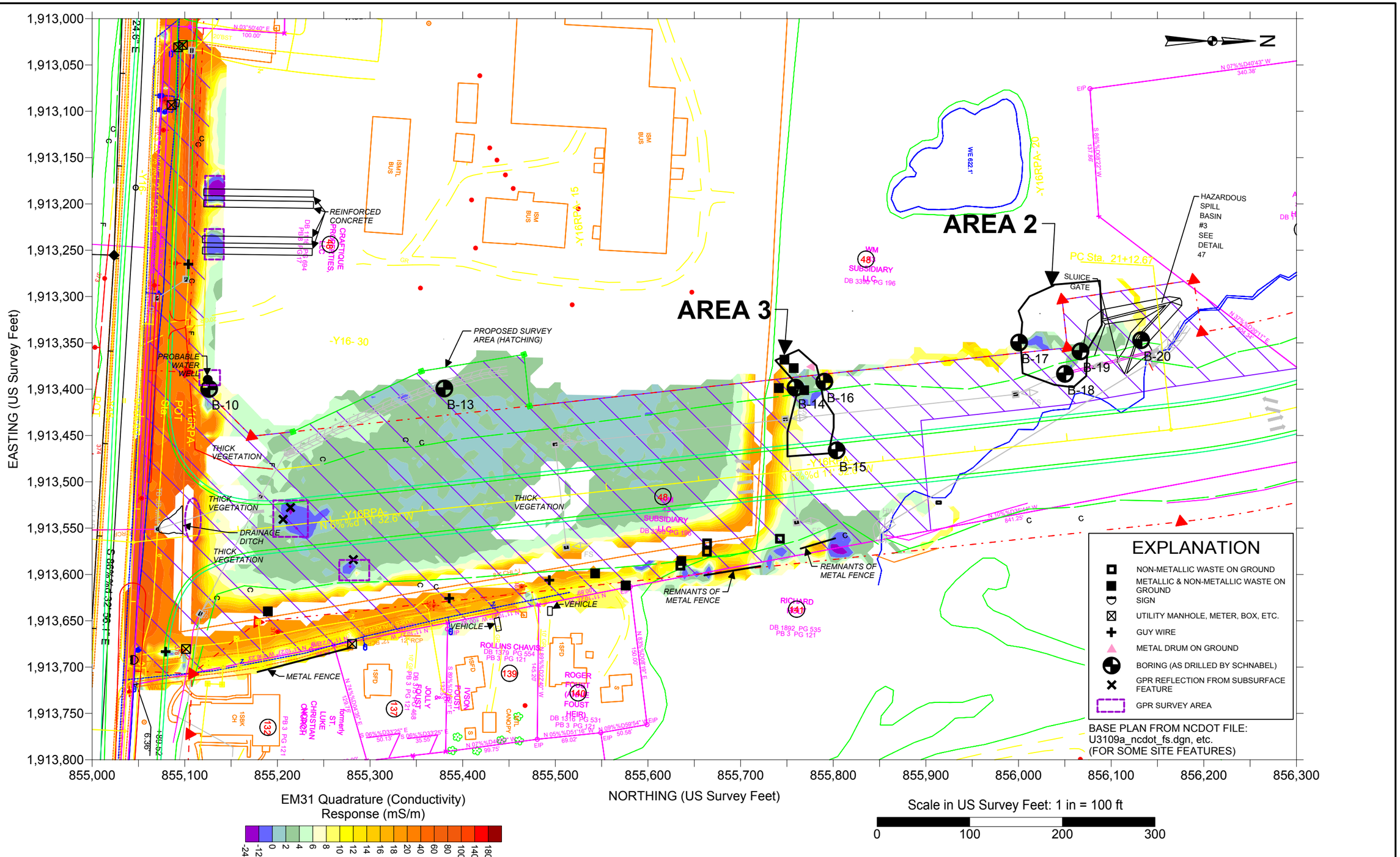
Note: The contour plot shows the EM-31 quadrature (conductivity) data in milliSiemens/meter that were acquired in the vertical dipole mode. The EM data were collected on March 22 through March 24, 2016 and March 30, 2016 and April 14, 2016, using a Geonics EM-31 Terrain Conductivity Meter. Positioning for the EM survey was provided using a submeter Trimble Geo7X DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 1983 datum.

Schnabel ENGINEERING

STATE PROJECT U-3109A
NC DEPARTMENT OF TRANSPORTATION
ALAMANCE COUNTY, NC
PROJECT NO. 14821010.16

EM31 QUADRATURE (CONDUCTIVITY) RESPONSE: WESTERN PORTION OF SITE

FIGURE 2



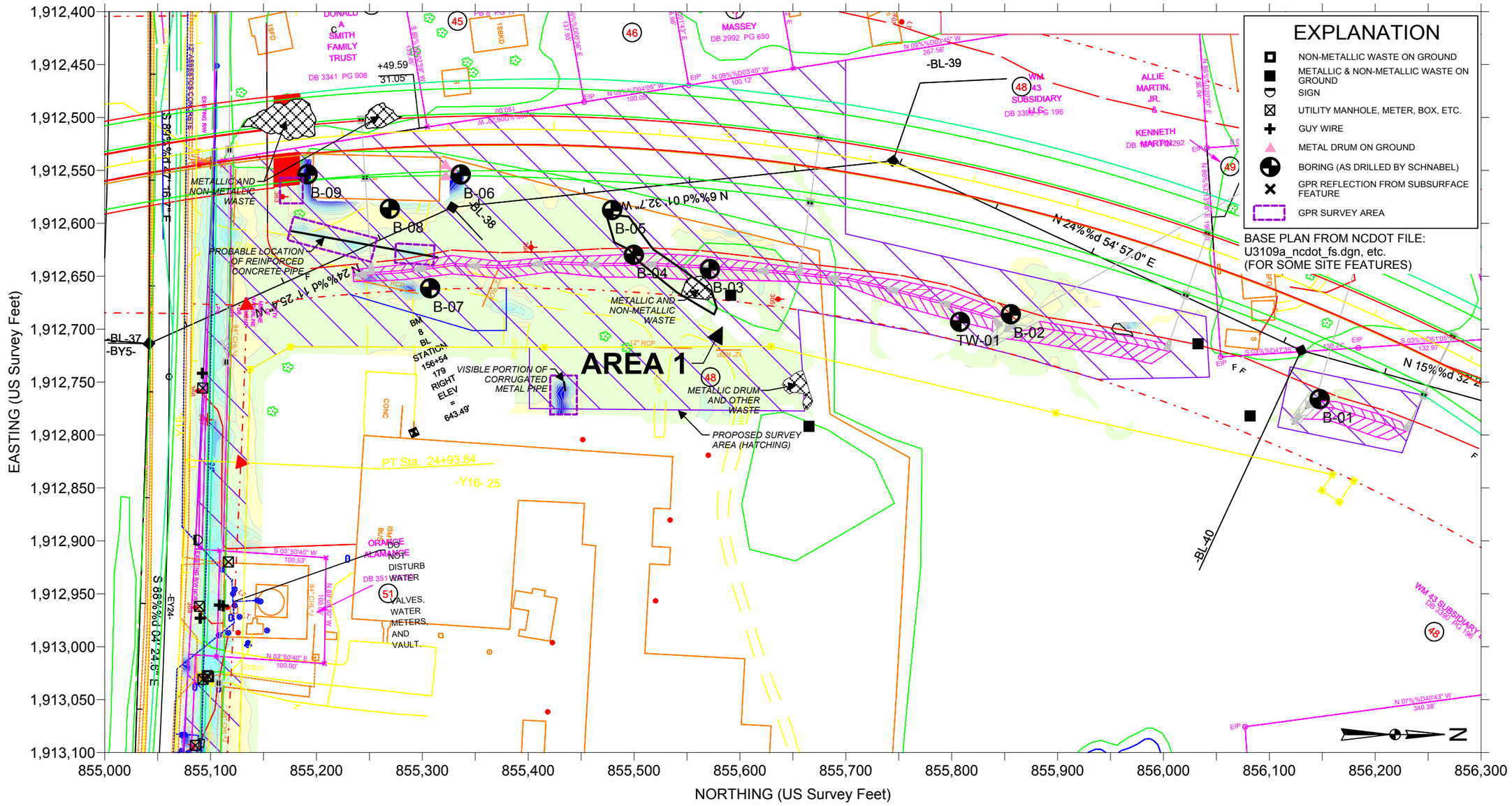
Note: The contour plot shows the EM-31 quadrature (conductivity) data in milliSiemens/meter that were acquired in the vertical dipole mode. The EM data were collected on March 22 through March 24, 2016 and March 30, 2016 and April 14, 2016, using a Geonics EM-31 Terrain Conductivity Meter. Positioning for the EM survey was provided using a submeter Trimble Geo7X DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 1983 datum.

Schnabel ENGINEERING

STATE PROJECT U-3109A
NC DEPARTMENT OF TRANSPORTATION
ALAMANCE COUNTY, NC
PROJECT NO. 14821010.16

EM31 QUADRATURE (CONDUCTIVITY) RESPONSE: EASTERN PORTION OF SITE

FIGURE 3



Note: The contour plot shows the EM-31 in-phase (metal detection) data in parts per thousand that were acquired in the vertical dipole mode. The EM data were collected on March 22 through March 24, 2016 and March 30, 2016 and April 14, 2016, using a Geonics EM-31 Terrain Conductivity Meter. Positioning for the EM survey was provided using a submeter Trimble Geo7X DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 1983 datum.

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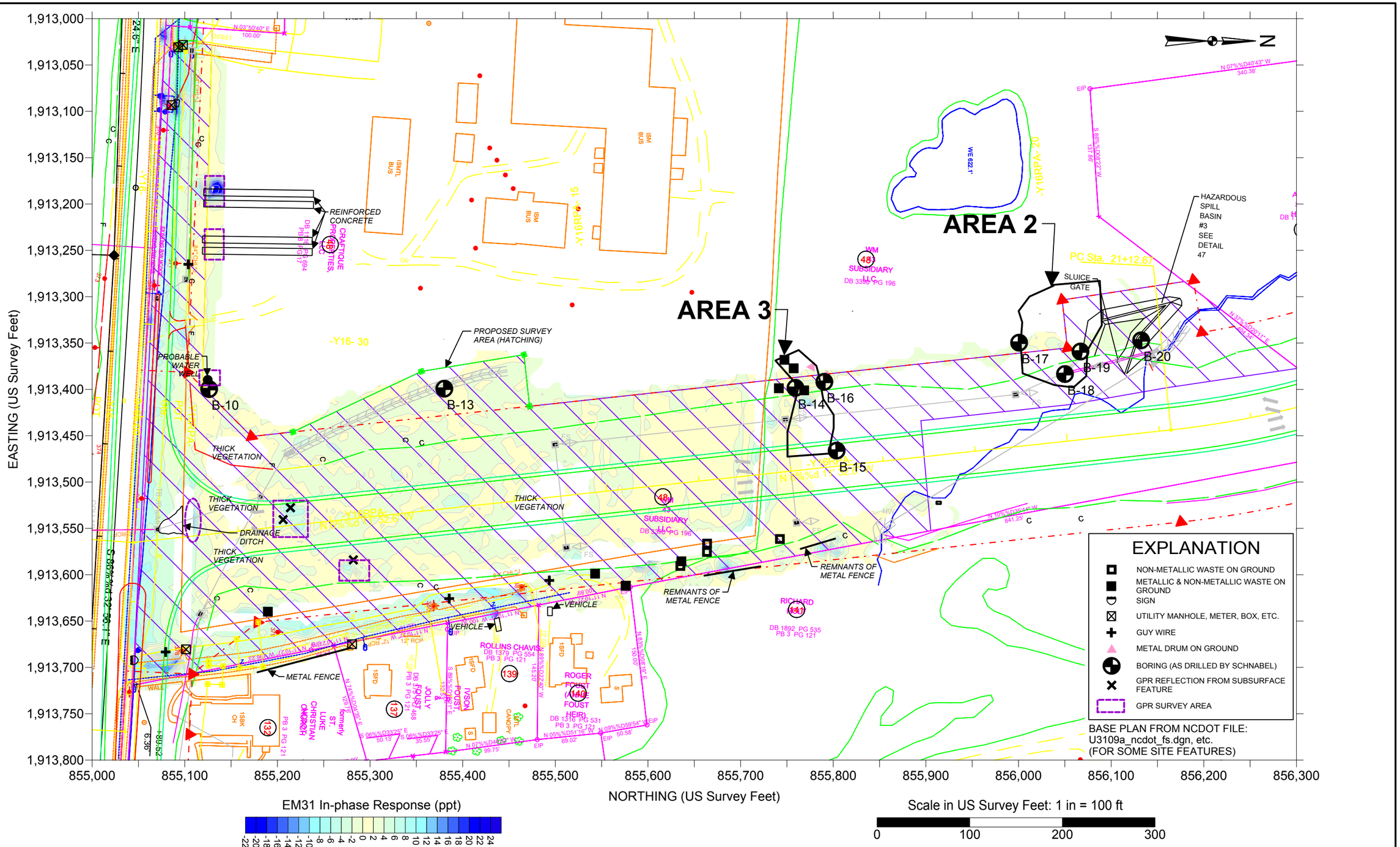
STATE PROJECT U-3109A
NC DEPARTMENT OF TRANSPORTATION
ALAMANCE COUNTY, NC
PROJECT NO. 14821010.16

EM31 IN-PHASE RESPONSE: WESTERN PORTION OF SITE

FIGURE 4



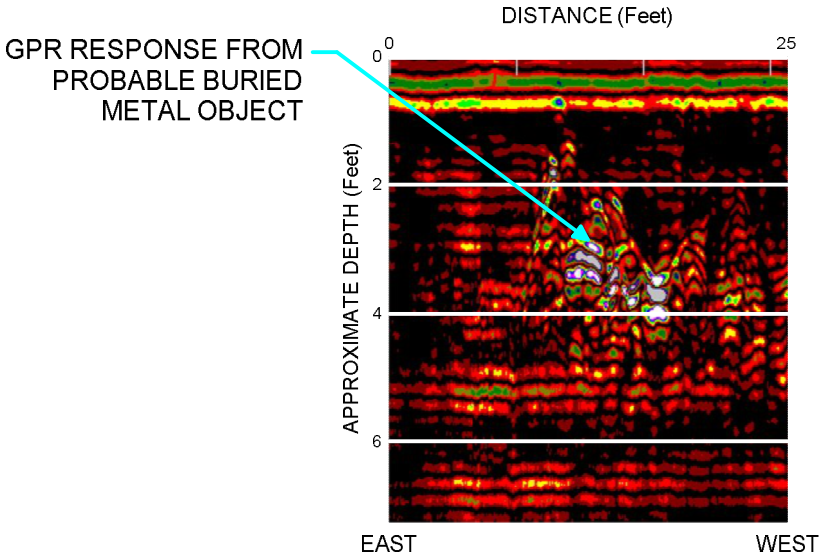
Note: The contour plot shows the EM-31 in-phase (metal detection) data in parts per thousand that were acquired in the vertical dipole mode. The EM data were collected on March 22 through March 24, 2016 and March 30, 2016 and April 14, 2016, using a Geonics EM-31 Terrain Conductivity Meter. Positioning for the EM survey was provided using a submeter Trimble Geo7X DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 1983 datum.

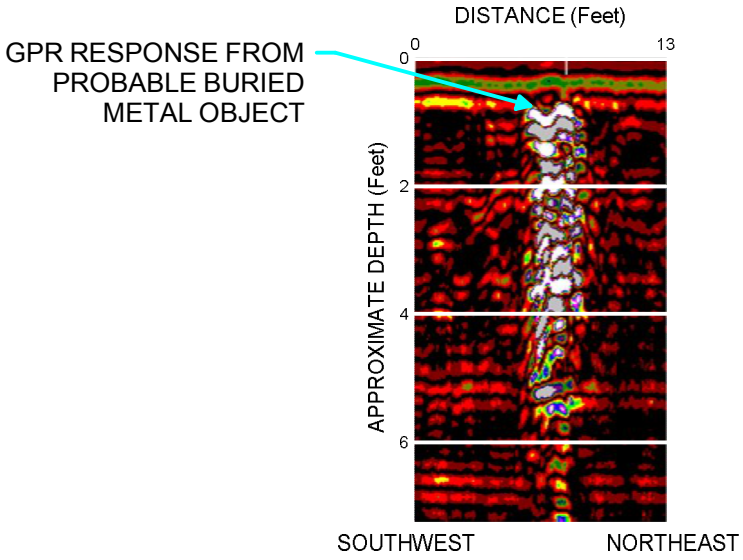
Schnabel ENGINEERING

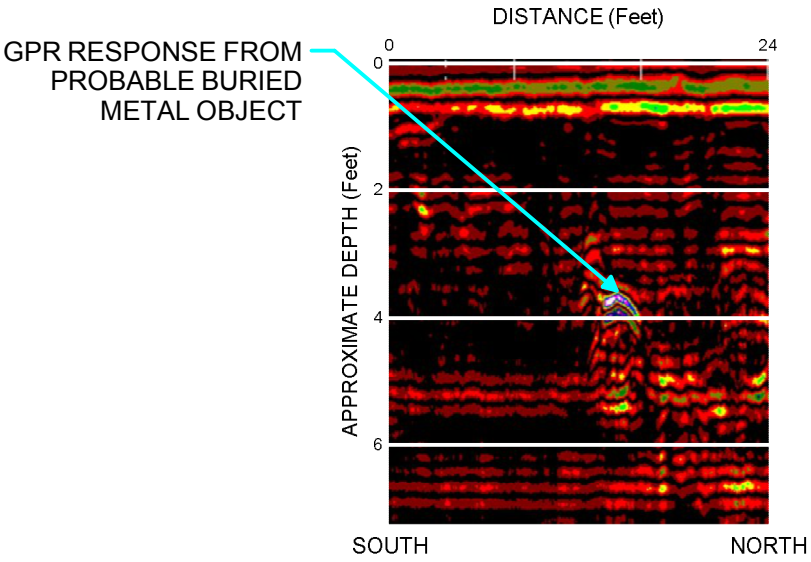
STATE PROJECT U-3109A
NC DEPARTMENT OF TRANSPORTATION
ALAMANCE COUNTY, NC
PROJECT NO. 14821010.16

EM31 IN-PHASE RESPONSE: EASTERN PORTION OF SITE

FIGURE 5







Schnabel ENGINEERING	STATE PROJECT U-3109A NC DEPARTMENT OF TRANSPORTATION ALAMANCE COUNTY, NC PROJECT NO. 14821010.16	PARCEL 48 EXAMPLE GPR IMAGES FIGURE 6

APPENDIX C
BORING LOGS

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-01**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/23/16 **Finished:** 3/23/16
X: 1912766.06 ft **Y:** 856147.514 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 9.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/23/16	4:00 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.3	0.0 - 0.3 ft: Topsoil							
	0.3 - 9.0 ft: SILT; moist, light orangish brown with streaks of light gray, probable RESIDUAL material, Lenses of Fat Clay (CH)	ML			5	B-1 (0-5 ft)	PID = 0 ppm PID = 0 ppm	
9.0							PID = 0 ppm	

Bottom of Geo Probe at 9.0 ft.
Geoprobe refusal at 9.0 ft.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-02**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/23/16 **Finished:** 3/23/16
X: 1912685.884 ft **Y:** 855855.804 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 12.5 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/23/16	4:26 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	0.0 - 10.0 ft: ELASTIC SILT; moist, light yellowish orange, probable RESIDUAL material					B-2 (0-5 ft)	PID = 0 ppm	
		MH			5		PID = 0 ppm	
	6.0 ft: Change: dry, light gray							
10.0					10		PID = 0 ppm	
	10.0 - 12.5 ft: SILT; moist, brown, probable RESIDUAL material	ML						
12.5								

Bottom of Geo Probe at 12.5 ft.
Geoprobe refusal at 12.5 ft.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-03**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/24/16 **Finished:** 3/24/16
X: 1912643.262 ft **Y:** 855571.598 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 15.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Encountered ▽	3/24/16	10:04 AM	12.0'	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.9	0.0 - 0.9 ft: PROBABLE FILL, sampled as silt; moist, light grayish brown and gray	FILL				B-3 (0-5 ft)	PID = 0 ppm	
	0.9 - 6.0 ft: ELASTIC SILT; moist, orange, probable RESIDUAL material	MH			5	B-3 (5-10 ft)	PID = 0 ppm	
6.0	6.0 - 15.0 ft: SILT; moist, orangish brown, probable RESIDUAL material	ML			10		PID = 0 ppm	
15.0					15		PID = 0 ppm	

Bottom of Geo Probe at 15.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

TEST BORING LOG U-3109A_ALAMANCE CO CRAFTIQUE.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/11/16

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-04**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/24/16 **Finished:** 3/24/16
X: 1912629.808 ft **Y:** 855499.755 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 15.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Encountered ▽	3/24/16	9:31 AM	11.5'	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
1.1	0.0 - 1.1 ft: PROBABLE FILL, sampled as silt; moist, light brown and gray, Several topsoil horizons	FILL				B-4 (0-5 ft)	PID = 0 ppm	
	1.1 - 6.0 ft: ELASTIC SILT; moist, orange, probable RESIDUAL material	MH			5		PID = 0 ppm	
6.0	6.0 - 15.0 ft: SILT; moist, orangish brown, probable RESIDUAL material	ML			10		PID = 0 ppm	
15.0					15		PID = 0 ppm	

Bottom of Geo Probe at 15.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

TEST BORING LOG U-3109A_ALAMANCE CO CRAFTIQUE.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/11/16

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-05**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/24/16 **Finished:** 3/24/16
X: 1912587.463 ft **Y:** 855479.224 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 10.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/24/16	8:59 AM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	0.0 - 3.5 ft: ELASTIC SILT; moist, orange, probable RESIDUAL material	MH				B-5 (0-5 ft)	PID = 0 ppm	
3.5	3.5 - 10.0 ft: SILT; moist, orangish brown, probable RESIDUAL material	ML			5		PID = 0 ppm	
10.0					10		PID = 0 ppm	

Bottom of Geo Probe at 10.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-06**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/23/16 **Finished:** 3/23/16
X: 1912553.9 ft **Y:** 855336.255 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 15.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/23/16	12:37 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	0.0 - 8.5 ft: ELASTIC SILT; moist, orange and brownish yellow, probable RESIDUAL material	MH			5		PID = 0 ppm PID = 0 ppm	
8.5	8.5 - 14.5 ft: SILT; moist, orangish brown, probable RESIDUAL material	ML			10		PID = 0 ppm	
14.5								
15.0	14.5 - 15.0 ft: ELASTIC SILT; moist, orange and brownish yellow, probable RESIDUAL material	MH			15		PID = 0 ppm	

Bottom of Geo Probe at 15.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

TEST BORING LOG U-3109A_ALAMANCE CO CRAFTIQUE.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/11/16

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-07**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/23/16 **Finished:** 3/23/16
X: 1912661.33 ft **Y:** 855307.348 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 12.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/23/16	12:43 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.8	0.0 - 0.8 ft: PROBABLE FILL, sampled as elastic silt; wet, light brown	FILL					PID = 0 ppm	
1.1	0.8 - 1.1 ft: PROBABLE FILL, sampled as silty gravel; wet, brown and dark gray	FILL						
	1.1 - 7.0 ft: ELASTIC SILT; moist, orange and brownish yellow, probable RESIDUAL material	MH			5	B-7 (5-10 ft)	PID = 0 ppm	
7.0	7.0 - 12.0 ft: SILT; moist, orangish brown, probable RESIDUAL material	ML			10		PID = 0 ppm	
12.0								

Bottom of Geo Probe at 12.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

TEST BORING LOG U-3109A_ALAMANCE CO CRAFTIQUE.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/11/16

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-08**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/23/16 **Finished:** 3/23/16
X: 1912586.247 ft **Y:** 855269.336 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 15.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/23/16	12:09 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.7	0.0 - 0.7 ft: PROBABLE FILL, sampled as crushed stone	FILL					PID = 0 ppm	0.5 ft: Drilling penetration rate slower.
	0.7 - 5.5 ft: ELASTIC SILT; moist, orange and brownish yellow, probable RESIDUAL material	MH			5		PID = 0 ppm	
5.5	5.5 - 15.0 ft: SILT; moist, orangish brown, probable RESIDUAL material	ML			10		PID = 0 ppm	
15.0					15		PID = 0 ppm	

Bottom of Geo Probe at 15.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-09**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/23/16 **Finished:** 3/23/16
X: 1912553.701 ft **Y:** 855191.577 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 15.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/23/16	11:39 AM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.1	0.0 - 0.1 ft: Topsoil 0.1 - 5.5 ft: LEAN CLAY; moist, light orangish brown, probable RESIDUAL material	CL					PID = 0 ppm	
5.5	5.5 - 15.0 ft: SILT; moist, orangish brown, probable RESIDUAL material	ML			5		PID = 0 ppm	
					10		PID = 0 ppm	
15.0					15		PID = 0 ppm	

Bottom of Geo Probe at 15.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

TEST BORING LOG U-3109A_ALAMANCE CO CRAFTIQUE.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/11/16

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-10**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/24/16 **Finished:** 3/24/16
X: 1913399.673 ft **Y:** 855126.248 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 10.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/24/16	11:02 AM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.3	0.0 - 0.3 ft: Topsoil							
	0.3 - 6.5 ft: ELASTIC SILT; moist, light grayish brown, probable RESIDUAL material	MH			5		PID = 0 ppm	
6.5	6.5 - 10.0 ft: SILT; moist, light orangish brown with streaks of light gray, probable RESIDUAL material, Lenses of Fat Clay (CH)	ML					PID = 0 ppm	
10.0					10		PID = 0 ppm	

Bottom of Geo Probe at 10.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.
Boring is located near an abandoned well.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-13**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/24/16 **Finished:** 3/24/16
X: 1913399.252 ft **Y:** 855380.15 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 10.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Encountered ▽	3/24/16	1:00 PM	9.5'	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.8	0.0 - 0.8 ft: Topsoil							
	0.8 - 10.0 ft: SILT; moist, light yellowish orange with streaks of gray, probable RESIDUAL material, Lenses of Fat Clay (CH)	ML			5	B-13 (0-5 ft)	PID = 0 ppm PID = 0 ppm	
10.0					10		PID = 0 ppm	

Bottom of Geo Probe at 10.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-14**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/24/16 **Finished:** 3/24/16
X: 1913398.331 ft **Y:** 855759.195 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 10.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
After Drilling	3/24/16	12:08 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
1.0	0.0 - 1.0 ft: PROBABLE FILL, sampled as organic soil; moist, dark brown	FILL				B-14 (0-1 ft)	PID = 0 ppm	
2.0	1.0 - 2.0 ft: ELASTIC SILT; moist, orange, probable RESIDUAL material	MH				B-14 (1-2 ft)		
	2.0 - 10.0 ft: SILT; moist, light orangish brown, probable RESIDUAL material							
5	5.0 ft: Change: light gray	ML					PID = 0 ppm	
10.0					10		PID = 0 ppm	

Bottom of Geo Probe at 10.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-15**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/24/16 **Finished:** 3/24/16
X: 1913466.051 ft **Y:** 855803.659 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 4.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/24/16	11:45 AM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	0.0 - 1.5 ft: PROBABLE FILL, sampled as organic soil; moist, dark brown	FILL				B-15 (0-1.5 ft)	PID = 0 ppm	
1.5	1.5 - 4.0 ft: SILT; moist, light orangish brown, probable RESIDUAL material	ML				B-15 (1.5-2.5 ft)		
4.0							PID = 0 ppm	

Bottom of Geo Probe at 4.0 ft.
Geoprobe refusal at 4.0 ft.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-16**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/24/16 **Finished:** 3/24/16
X: 1913391.853 ft **Y:** 855790.359 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 10.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/24/16	12:24 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
1.0	0.0 - 1.0 ft: PROBABLE FILL, sampled as silt; moist, brown	FILL				B-16 (0-1 ft)	PID = 0 ppm	
	1.0 - 5.0 ft: ELASTIC SILT; moist, orange, probable RESIDUAL material	MH				B-16 (1-2 ft)		
5.0	5.0 - 10.0 ft: SILT; moist, light orangish brown, probable RESIDUAL material	ML			5		PID = 0 ppm	
10.0					10		PID = 0 ppm	

Bottom of Geo Probe at 10.0 ft.
Boring terminated at selected depth.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-17**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/23/16 **Finished:** 3/23/16
X: 1913349.601 ft **Y:** 856000.607 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 9.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/23/16	3:23 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	0.0 - 9.0 ft: SILT; moist, light orangish brown, probable RESIDUAL material	ML			5	B-17 (1-2 ft)	PID = 0 ppm	
							PID = 0 ppm	
						B-17 (8-9 ft)		
9.0	8.7 ft: Change: light gray						PID = 0 ppm	

Bottom of Geo Probe at 9.0 ft.
Geoprobe refusal at 9.0 ft.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

TEST BORING LOG U-3109A_ALAMANCE CO CRAFTIQUE.GPJ SCHNABEL DATA TEMPLATE 2008_07_06.GDT 5/11/16

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-18**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/23/16 **Finished:** 3/23/16
X: 1913383.438 ft **Y:** 856050.095 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 5.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/23/16	3:05 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
1.5	0.0 - 1.5 ft: PROBABLE FILL, sampled as silt; moist, brown	FILL				B-18 (1-2 ft)	PID = 0 ppm	
5.0	1.5 - 5.0 ft: SILT; moist, orangish brown, probable RESIDUAL material	ML			5	B-18 (4-5 ft)	PID = 0 ppm	

Bottom of Geo Probe at 5.0 ft.
Geoprobe refusal at 5.0 ft.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-19**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/23/16 **Finished:** 3/23/16
X: 1913359.161 ft **Y:** 856066.85 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 7.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/23/16	2:55 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
	0.0 - 1.5 ft: PROBABLE FILL, sampled as silt; moist, brown	FILL				B-19 (0-1.5 ft)	PID = 0 ppm	
1.5	1.5 - 7.0 ft: SILT; moist, orangish brown, probable RESIDUAL material	ML			5	B-19 (2-3 ft)	PID = 0 ppm	
7.0								

Bottom of Geo Probe at 7.0 ft.
Geoprobe refusal at 7.0 ft.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

Schnabel ENGINEERING

GEO PROBE LOG

Project: U-3109A, Craftique Properties
Alamance County
Mebane, North Carolina

Geo Probe Number: **B-20**
Contract Number: 14821010.16
Sheet: 1 of 1

Contractor: Elite Techniques, Inc
Camden, South Carolina
Contractor Foreman: Dearal Rodgers
Schnabel Representative: Hawkins Gagnon
Equipment: Geoprobe 7822DT
Method: Macrocore
Hammer Type:
Dates Started: 3/23/16 **Finished:** 3/23/16
X: 1913347.083 ft **Y:** 856132.324 ft
Coordinate System: NC State Plane
Plunge: -90 **Bearing:**
Ground Surface Elevation: **Total Depth:** 8.0 ft

Water Level Observations

	Date	Time	Depth	Casing	Caved
Completion	3/23/16	2:34 PM	Dry	---	---

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOL	ELEV (ft)	STRATUM	SAMPLING DEPTH	SAMPLING DATA	TESTS	REMARKS
0.5	0.0 - 0.5 ft: Topsoil 0.5 - 5.5 ft: PROBABLE FILL, sampled as lean clay; moist, light gray	FILL			5		PID = 0 ppm PID = 0 ppm	
5.5 5.8	5.5 - 5.8 ft: PROBABLE FILL, sampled as fat clay; moist, grayish blue	FILL						
8.0	5.8 - 8.0 ft: SANDY SILT; moist, grayish brown, probable RESIDUAL material	ML					PID = 0 ppm	

Bottom of Geo Probe at 8.0 ft.
Geoprobe refusal at 8.0 ft.
Boring backfilled with alternating layers of bentonite chips and cuttings upon completion.

APPENDIX D
SOIL BORING GPS COORDINATES

SOIL BORING GPS COORDINATES
NCDOT U-3109A, ALAMANCE COUNTY

Soil Boring GPS Coordinates		
Boring Identification	Easting	Northing
	X	Y
TW-01	1912693.110	855807.841
B-01	1912766.060	856147.514
B-02	1912685.884	855855.804
B-03	1912643.262	855571.598
B-04	1912629.808	855499.755
B-05	1912587.463	855479.224
B-06	1912553.900	855336.255
B-07	1912661.330	855307.348
B-08	1912586.247	855269.336
B-09	1912553.701	855191.577
B-10	1913399.673	855126.248
B-13	1913399.252	855380.150
B-14	1913398.331	855759.195
B-15	1913466.051	855803.659
B-16	1913391.853	855790.359
B-17	1913349.601	856000.607
B-18	1913383.438	856050.095
B-19	1913359.161	856066.850
B-20	1913347.083	856132.324

* NC State Plane 1983 System, NC 3200 Zone,
NAD 83 Datum, US Survey Feet

APPENDIX E
UVF RESULTS

QED

AQROS

Hydrocarbon Analysis Results

Client: NCDOT
Address: 1257 W. Center Street, Mebane, NC

Samples taken Wednesday, March 23, 2016
Samples extracted Wednesday, March 23, 2016
Samples analysed Wednesday, March 23, 2016

Contact: Ben Bradley

Operator Ben Bradley

Project: U-3109A, Parcel 048, Craftique Properties

U04049

Matrix	Sample ID	Dilution used	BTEX (C6 - C9)	GRO (C5 - C10)	DRO (C10 - C35)	TPH (C5 - C35)	Total Aromatics (C10-C35)	16 EPA PAHs	BaP	Ratios			HC Fingerprint Match
										% light	% mid	% heavy	
s	b-9 0-5 ft	32.3	<0.81	<0.81	<0.32	<0.81	<0.16	<0.03	<0.003	0	0	0	PHC not detected
s	b-9 5-10 ft	31.1	<0.78	<0.78	<0.31	<0.78	<0.16	<0.02	<0.003	0	0	0	PHC not detected
s	b-9 10-15 ft	25.8	<0.65	<0.65	0.26	0.26	<0.16	<0.02	<0.003	0	36.2	63.8	PHC Traces + BO (FCM)
s	b-8 0-5 ft	13.3	<0.33	<0.33	0.19	0.19	0.18	<0.01	<0.001	0	93.9	6.1	PHC not detected (FCM)
s	b-8 5-10 ft	9.2	<0.23	<0.23	<0.09	<0.23	<0.05	<0.007	<0.001	0	0	0	PHC not detected
s	b-8 10-15 ft	12.6	<0.32	<0.32	0.13	0.13	<0.14	<0.01	<0.001	0	88.8	11.2	PHC not detected (FCM)
s	b-6 0-5 ft	7.9	<0.2	<0.2	0.08	0.08	<0.06	<0.006	<0.001	0	100	0	PHC not detected (FCM)
s	b-6 5-10 ft	33.3	<0.83	<0.83	<0.33	<0.83	<0.17	<0.03	<0.003	0	100	0	PHC not detected
s	b-6 10-15 ft	32.3	<0.81	<0.81	<0.32	<0.81	<0.16	<0.03	<0.003	0	0	0	PHC not detected
s	b-7 0-5 ft	29.1	<0.73	<0.73	<0.29	<0.73	<0.15	<0.02	<0.003	0	0	0	PHC not detected

Initial Calibrator QC check OK

Results generated by a QED HC-1 analyser. Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values are not corrected for moisture or stone content

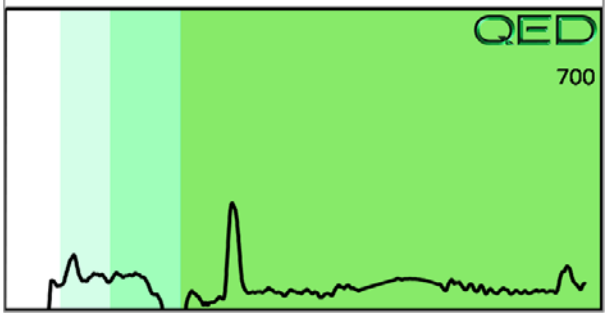
Fingerprints provide a tentative hydrocarbon identification. The abbreviations are:- FCM = Results calculated using Fundamental Calibration Mode : % = confidence for sample fingerprint match to library

(SBS) or (LBS) = Site Specific or Library Background Subtraction applied to result : (PFM) = Poor Fingerprint Match : (T) = Turbid : (P) = Particulate present

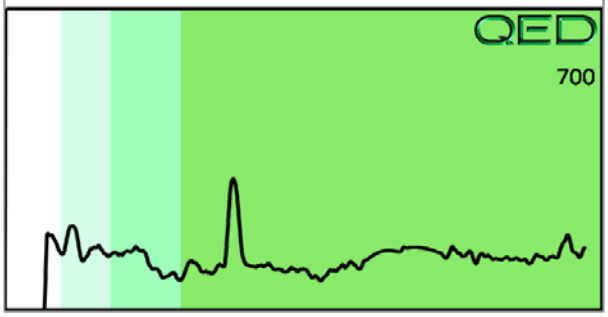
QED Hydrocarbon Fingerprints

Project:

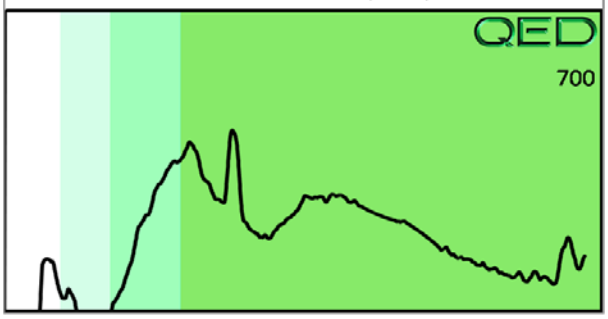
b-9 0-5 ft : PHC not detected



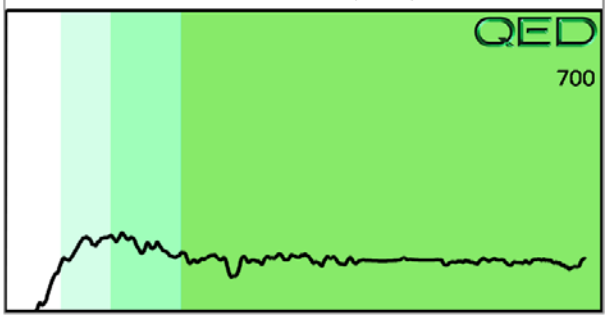
b-9 5-10 ft : PHC not detected



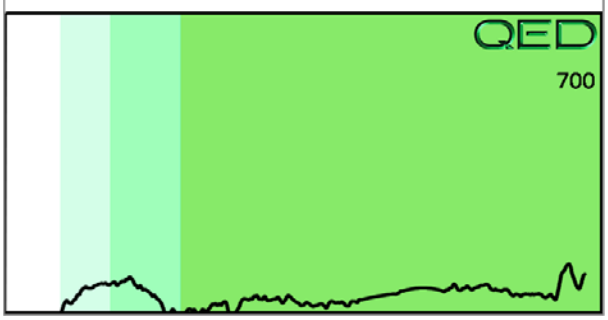
b-9 10-15 ft : PHC Traces + BO (FCM)



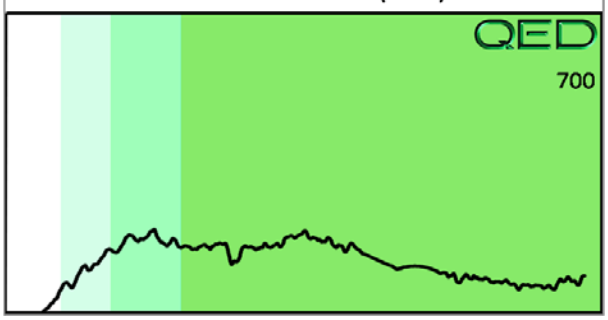
b-8 0-5 ft : PHC not detected (FCM)



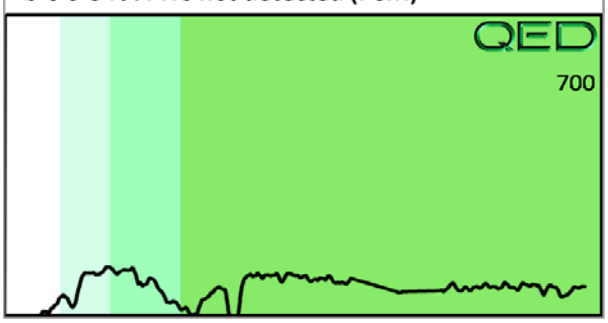
b-8 5-10 ft : PHC not detected



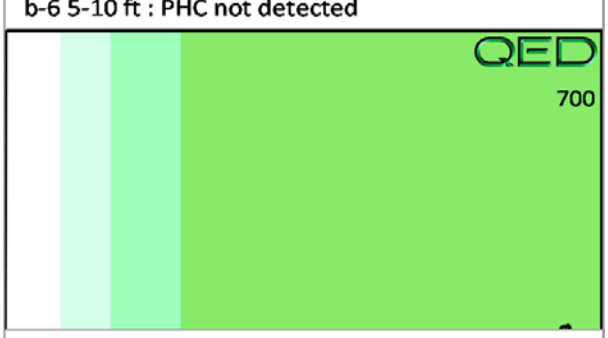
b-8 10-15 ft : PHC not detected (FCM)



b-6 0-5 ft : PHC not detected (FCM)



b-6 5-10 ft : PHC not detected



b-6 10-15 ft : PHC not detected

b-7 0-5 ft : PHC not detected

QED

QROS

Hydrocarbon Analysis Results

Client: NCDOT
Address: 1257 W. Center Street, Mebane NC

Samples taken Thursday, March 24, 2016
Samples extracted Thursday, March 24, 2016
Samples analysed Thursday, March 24, 2016

Contact: Ben Bradley

Operator Ben Bradley

Project: U-3109A, Parcel 048, Craftique Properties

U04049

Matrix	Sample ID	Dilution used	BTEX (C6 - C9)	GRO (C5 - C10)	DRO (C10 - C35)	TPH (C5 - C35)	Total Aromatics (C10-C35)	16 EPA PAHs	BaP	Ratios			HC Fingerprint Match
										% light	% mid	% heavy	
s	b-2 0-5 ft	8.6	<0.22	<0.22	<0.09	<0.22	<0.04	<0.007	<0.001	0	0	0	PHC not detected
s	b-2 5-10	8.3	<0.21	<0.21	0.08	0.08	<0.09	0.01	<0.001	0	100	0	PHC not detected (FCM)
s	b-2 10-12.5	9.6	<0.24	<0.24	0.21	0.21	0.2	0.02	<0.001	0	100	0	PHC Traces (FCM)
s	b-1 0-5 ft	27.8	<0.7	<0.7	<0.28	<0.7	<0.14	<0.02	<0.003	0	0	0	PHC not Detected + BO
s	b-1 5-9 ft	33.0	<0.82	<0.82	1.2	1.2	0.67	0.08	<0.003	0	100	0	PHC Traces (FCM)
s	b-3 0-5 ft	34.4	<0.86	<0.86	1.3	1.3	0.7	0.08	<0.003	0	100	0	PHC Traces (FCM)
s	b-3 5-10	32.3	<0.81	<0.81	0.71	0.71	0.67	0.08	<0.003	0	100	0	PHC Traces (FCM)
s	b-3 10-15	32.7	<0.82	<0.82	1.1	1.1	0.61	0.07	<0.003	0	100	0	PHC Traces (FCM)
s	b-20 0-5 ft	31.7	<0.79	<0.79	0.47	0.47	0.45	0.05	<0.003	0	100	0	PHC Traces + BO (FCM) (P)
s	b-2 10-12.5 ft	17.2	<0.43	<0.43	<0.17	<0.43	<0.09	<0.01	<0.002	0	0	0	PHC not detected

Initial Calibrator QC check OK

Results generated by a QED HC-1 analyser. Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values are not corrected for moisture or stone content

Fingerprints provide a tentative hydrocarbon identification. The abbreviations are:- FCM = Results calculated using Fundamental Calibration Mode : % = confidence for sample fingerprint match to library

(SBS) or (LBS) = Site Specific or Library Background Subtraction applied to result : (PFM) = Poor Fingerprint Match : (T) = Turbid : (P) = Particulate present

QED Hydrocarbon Fingerprints

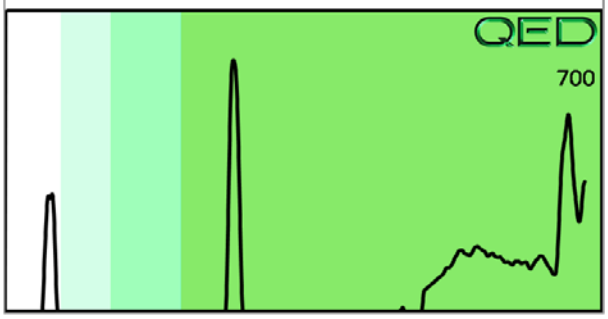
Project:

b-2 0-5 ft : PHC not detected

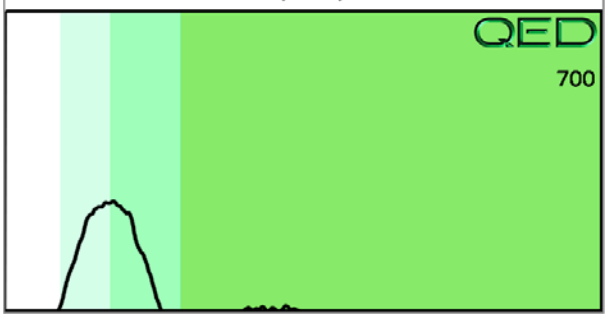
b-2 5-10 : PHC not detected (FCM)

b-2 10-12.5 : PHC Traces (FCM)

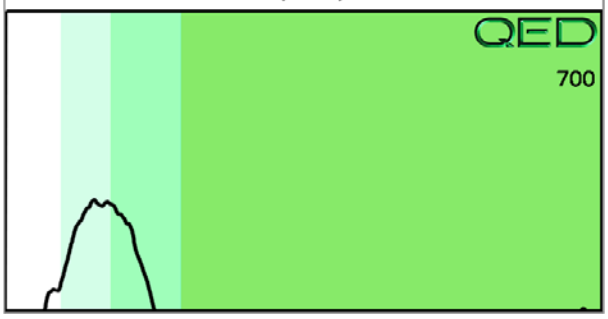
b-1 0-5 ft : PHC not Detected + BO



b-1 5-9 ft : PHC Traces (FCM)



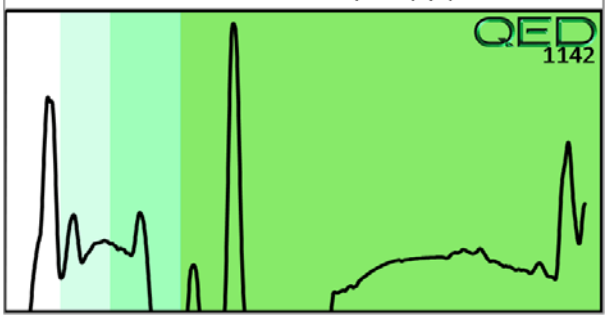
b-3 0-5 ft : PHC Traces (FCM)



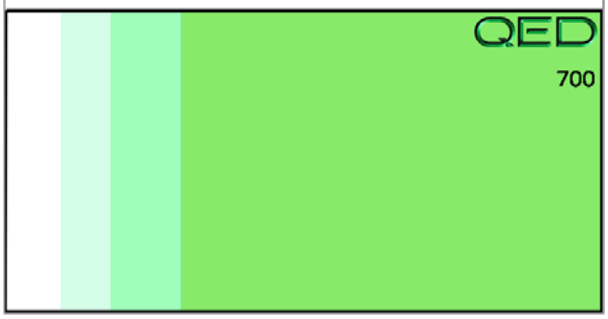
b-3 5-10 : PHC Traces (FCM)

b-3 10-15 : PHC Traces (FCM)

b-20 0-5 ft : PHC Traces + BO (FCM) (P)



b-2 10-12.5 ft : PHC not detected



QED

AQROS

Hydrocarbon Analysis Results

Client: NCDOT
Address: 1257 W. Center Street, Mebane, NC

Samples taken Thursday, March 24, 2016
Samples extracted Thursday, March 24, 2016
Samples analysed Thursday, March 24, 2016

Contact: Ben Bradley

Operator Ben Bradley

Project: U-3109A, Parcel 048, Craftique Properties

U04049

Matrix	Sample ID	Dilution used	BTEX (C6 - C9)	GRO (C5 - C10)	DRO (C10 - C35)	TPH (C5 - C35)	Total Aromatics (C10-C35)	16 EPA PAHs	BaP	Ratios			HC Fingerprint Match
										% light	% mid	% heavy	
s	b-4 0-5 ft	29.1	<0.73	<0.73	1.3	1.3	1.1	0.14	<0.003	0	96.2	3.8	PHC Traces + BO (FCM)
s	b-4 5-10 ft	8.0	<0.2	<0.2	<0.08	<0.2	<0.04	<0.006	<0.001	0	0	0	PHC not detected
s	b-4 10-15 ft	9.8	<0.24	<0.24	<0.1	<0.24	<0.05	<0.008	<0.001	0	0	0	PHC not detected
s	b-10 0-5 ft	33.7	<0.84	<0.84	0.62	0.62	0.59	0.07	<0.003	0	94.1	5.9	PHC Traces + BO (FCM)
s	b-10 5-10 ft	9.6	<0.24	<0.24	0.27	0.27	0.15	0.02	<0.001	0	100	0	PHC Traces (FCM)
s	b-5 5-10 ft	8.1	<0.2	<0.2	<0.08	<0.2	<0.04	<0.006	<0.001	0	0	0	PHC not detected
s	b-13 0-5 ft	33.7	<0.84	<0.84	1.8	1.8	1.4	0.17	<0.003	0	100	0	PHC Traces + BO (FCM)
s	b-13 5-10 ft	30.8	<0.77	<0.77	1.2	1.2	0.93	0.11	<0.003	0	100	0	PHC Traces + BO (FCM)

Initial Calibrator QC check OK

Results generated by a QED HC-1 analyser. Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values are not corrected for moisture or stone content

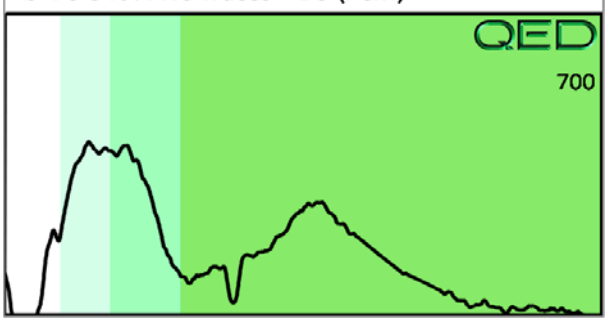
Fingerprints provide a tentative hydrocarbon identification. The abbreviations are:- FCM = Results calculated using Fundamental Calibration Mode : % = confidence for sample fingerprint match to library

(SBS) or (LBS) = Site Specific or Library Background Subtraction applied to result : (PFM) = Poor Fingerprint Match : (T) = Turbid : (P) = Particulate present

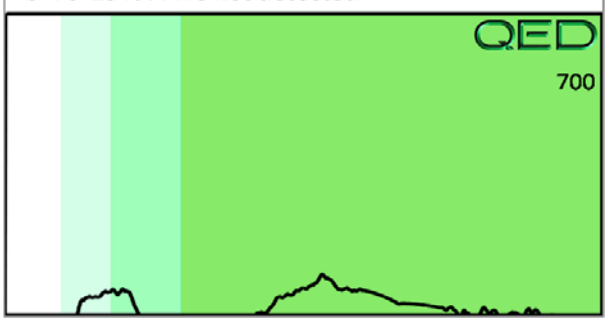
QED Hydrocarbon Fingerprints

Project:

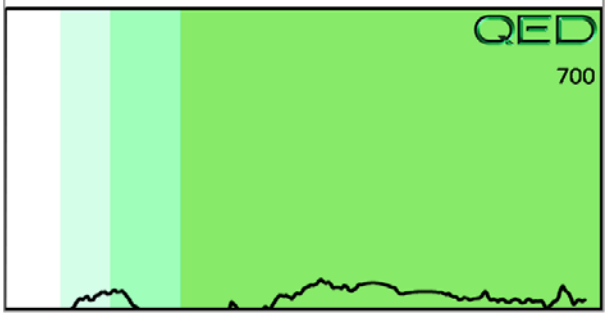
b-4 0-5 ft : PHC Traces + BO (FCM)



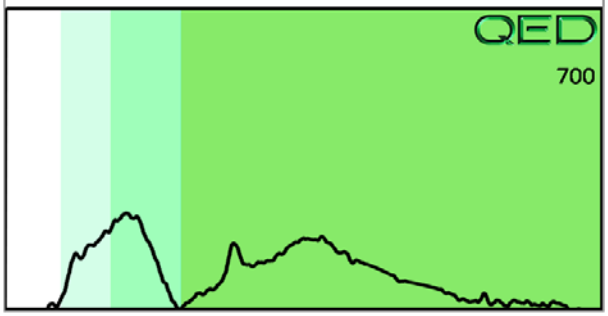
b-4 5-10 ft : PHC not detected



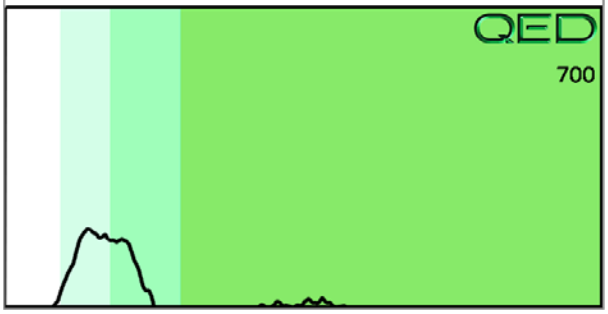
b-4 10-15 ft : PHC not detected



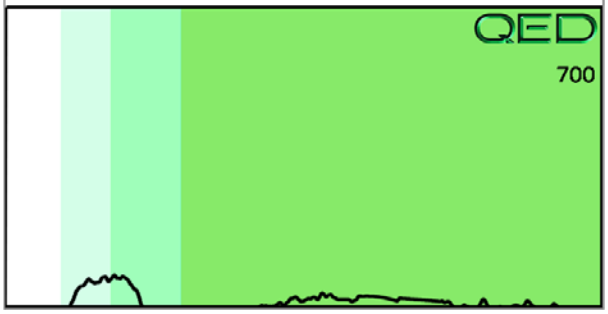
b-10 0-5 ft : PHC Traces + BO (FCM)



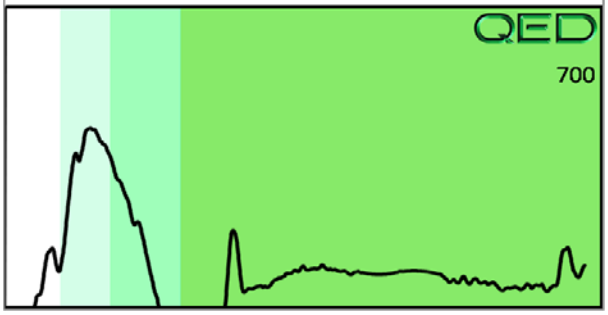
b-10 5-10 ft : PHC Traces (FCM)



b-5 5-10 ft : PHC not detected



b-13 0-5 ft : PHC Traces + BO (FCM)



b-13 5-10 ft : PHC Traces + BO (FCM)

APPENDIX F
PACE ANALYTICAL REPORTS

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

April 12, 2016

Mr. Steve Pond
Schnabel Engineering
1 West Cary St.
Richmond, VA 23220

RE: Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Dear Mr. Pond:
Enclosed are the analytical results for sample(s) received by the laboratory on March 25, 2016. 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,

Dale Ingram
dale.ingram@pacelabs.com
Project Manager

Enclosures

cc: Ben Bradley, Schnabel

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

CERTIFICATIONS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

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
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92291493001	**B-15 (1.5-2.5FT)**	Solid	03/24/16 11:40	03/25/16 11:45
92291493002	**B-16 (1-2FT)**	Solid	03/24/16 12:15	03/25/16 11:45
92291493003	**B-14 (1-2FT)**	Solid	03/24/16 12:00	03/25/16 11:45
92291493004	**B-16 (0-1FT)**	Solid	03/24/16 12:15	03/25/16 11:45
92291493005	**DUP-1**	Solid	03/23/16 00:00	03/25/16 11:45
92291493006	**B-15 (0-1.5FT)**	Solid	03/24/16 11:40	03/25/16 11:45
92291493007	**B-1 (0-5FT)**	Solid	03/23/16 15:45	03/25/16 11:45
92291493008	**B-2 (0-5FT)**	Solid	03/23/16 16:10	03/25/16 11:45
92291493009	**B-17 (1-2FT)**	Solid	03/23/16 15:20	03/25/16 11:45
92291493010	**B-18 (4-5FT)**	Solid	03/23/16 15:05	03/25/16 11:45
92291493011	**B-18 (1-2FT)**	Solid	03/23/16 15:05	03/25/16 11:45
92291493012	**B-4 (0-5FT)**	Solid	03/24/16 09:15	03/25/16 11:45
92291493013	**B-19 (0-1.5FT)**	Solid	03/23/16 15:20	03/25/16 11:45
92291493014	**B-7 (5-10FT)**	Solid	03/23/16 13:00	03/25/16 11:45
92291493015	**B-19 (2-3FT)**	Solid	03/23/16 14:45	03/25/16 11:45
92291493016	**B-14 (0-1FT)**	Solid	03/24/16 12:00	03/25/16 11:45
92291493017	**B-13 (0-5FT)**	Solid	03/24/16 12:55	03/25/16 11:45
92291493018	**DUP-2**	Solid	03/24/16 00:00	03/25/16 11:45
92291493019	**B-5 (0-5FT)**	Solid	03/24/16 09:00	03/25/16 11:45
92291493020	**B-3 (5-10FT)**	Solid	03/24/16 09:45	03/25/16 11:45
92291493021	**B-3 (0-5FT)**	Solid	03/24/16 09:45	03/25/16 11:45
92291493022	**B-17 (8-9FT)**	Solid	03/23/16 15:20	03/25/16 11:45

Pace Analytical Services, Inc.
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(704)875-9092

SAMPLE ANALYTE COUNT

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92291493001	**B-15 (1.5-2.5FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493002	**B-16 (1-2FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493003	**B-14 (1-2FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493004	**B-16 (0-1FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493005	**DUP-1**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493006	**B-15 (0-1.5FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A

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

SAMPLE ANALYTE COUNT

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493007	**B-1 (0-5FT)**	EPA 6010	JMW	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493008	**B-2 (0-5FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493009	**B-17 (1-2FT)**	EPA 6010	JMW	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493010	**B-18 (4-5FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493011	**B-18 (1-2FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493012	**B-4 (0-5FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493013	**B-19 (0-1.5FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493014	**B-7 (5-10FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493015	**B-19 (2-3FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493016	**B-14 (0-1FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	70	PASI-C

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	CLW	1	PASI-C
92291493017	**B-13 (0-5FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493018	**DUP-2**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493019	**B-5 (0-5FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493020	**B-3 (5-10FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493021	**B-3 (0-5FT)**	EPA 6010	CDF	7	PASI-A
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C
92291493022	**B-17 (8-9FT)**	EPA 6010	CDF	7	PASI-A

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	CDF	7	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	CLW	1	PASI-C

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-15 (1.5-2.5FT) **Lab ID: 92291493001** Collected: 03/24/16 11:40 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	6.1	5	03/28/16 12:25	03/30/16 14:58	7440-38-2	
Barium	**58.7**	mg/kg	3.1	5	03/28/16 12:25	03/30/16 14:58	7440-39-3	
Cadmium	ND	mg/kg	0.61	5	03/28/16 12:25	03/30/16 14:58	7440-43-9	
Chromium	ND	mg/kg	3.1	5	03/28/16 12:25	03/30/16 14:58	7440-47-3	
Lead	**8.2**	mg/kg	3.1	5	03/28/16 12:25	03/30/16 14:58	7439-92-1	
Selenium	ND	mg/kg	6.1	5	03/28/16 12:25	03/30/16 14:58	7782-49-2	
Silver	ND	mg/kg	3.1	5	03/28/16 12:25	03/30/16 14:58	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.4; Final pH: 4.8							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 20:23	7440-38-2	
Barium	**0.45**	mg/L	0.25	1	04/07/16 03:45	04/07/16 20:23	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 20:23	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:23	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:23	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 20:23	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:23	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.4; Final pH: 4.8							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 16:43	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	ND	mg/kg	0.0031	1	03/30/16 18:45	04/05/16 15:17	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	83-32-9	
Acenaphthylene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	208-96-8	
Aniline	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	62-53-3	
Anthracene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	120-12-7	
Benzo(a)anthracene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	56-55-3	
Benzo(a)pyrene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	207-08-9	
Benzoic Acid	ND	ug/kg	2060	1	03/26/16 12:20	03/30/16 15:55	65-85-0	
Benzyl alcohol	ND	ug/kg	824	1	03/26/16 12:20	03/30/16 15:55	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	101-55-3	
Butylbenzylphthalate	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	824	1	03/26/16 12:20	03/30/16 15:55	59-50-7	
4-Chloroaniline	ND	ug/kg	2060	1	03/26/16 12:20	03/30/16 15:55	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	108-60-1	
2-Chloronaphthalene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	91-58-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-15 (1.5-2.5FT) **Lab ID: 92291493001** Collected: 03/24/16 11:40 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	7005-72-3	
Chrysene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	53-70-3	
Dibenzofuran	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2060	1	03/26/16 12:20	03/30/16 15:55	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	120-83-2	
Diethylphthalate	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	105-67-9	
Dimethylphthalate	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	131-11-3	
Di-n-butylphthalate	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	824	1	03/26/16 12:20	03/30/16 15:55	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2060	1	03/26/16 12:20	03/30/16 15:55	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	606-20-2	
Di-n-octylphthalate	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	117-81-7	
Fluoranthene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	206-44-0	
Fluorene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	87-68-3	
Hexachlorobenzene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	77-47-4	
Hexachloroethane	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	193-39-5	
Isophorone	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	78-59-1	
1-Methylnaphthalene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	90-12-0	
2-Methylnaphthalene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55		
Naphthalene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	91-20-3	
2-Nitroaniline	ND	ug/kg	2060	1	03/26/16 12:20	03/30/16 15:55	88-74-4	
3-Nitroaniline	ND	ug/kg	2060	1	03/26/16 12:20	03/30/16 15:55	99-09-2	
4-Nitroaniline	ND	ug/kg	824	1	03/26/16 12:20	03/30/16 15:55	100-01-6	
Nitrobenzene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	98-95-3	
2-Nitrophenol	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	88-75-5	
4-Nitrophenol	ND	ug/kg	2060	1	03/26/16 12:20	03/30/16 15:55	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	86-30-6	
Pentachlorophenol	ND	ug/kg	2060	1	03/26/16 12:20	03/30/16 15:55	87-86-5	
Phenanthrene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	85-01-8	
Phenol	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55		
Pyrene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-15 (1.5-2.5FT) **Lab ID: 92291493001** Collected: 03/24/16 11:40 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	412	1	03/26/16 12:20	03/30/16 15:55	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	65	%	23-110	1	03/26/16 12:20	03/30/16 15:55	4165-60-0	
2-Fluorobiphenyl (S)	63	%	30-110	1	03/26/16 12:20	03/30/16 15:55	321-60-8	
Terphenyl-d14 (S)	77	%	28-110	1	03/26/16 12:20	03/30/16 15:55	1718-51-0	
Phenol-d6 (S)	63	%	22-110	1	03/26/16 12:20	03/30/16 15:55	13127-88-3	
2-Fluorophenol (S)	64	%	13-110	1	03/26/16 12:20	03/30/16 15:55	367-12-4	
2,4,6-Tribromophenol (S)	67	%	27-110	1	03/26/16 12:20	03/30/16 15:55	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	97.5	1		04/02/16 00:45	67-64-1	
Benzene	ND	ug/kg	4.9	1		04/02/16 00:45	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		04/02/16 00:45	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		04/02/16 00:45	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		04/02/16 00:45	75-27-4	
Bromoform	ND	ug/kg	4.9	1		04/02/16 00:45	75-25-2	
Bromomethane	ND	ug/kg	9.8	1		04/02/16 00:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.5	1		04/02/16 00:45	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		04/02/16 00:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		04/02/16 00:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		04/02/16 00:45	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	1		04/02/16 00:45	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		04/02/16 00:45	108-90-7	
Chloroethane	ND	ug/kg	9.8	1		04/02/16 00:45	75-00-3	
Chloroform	ND	ug/kg	4.9	1		04/02/16 00:45	67-66-3	
Chloromethane	ND	ug/kg	9.8	1		04/02/16 00:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		04/02/16 00:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		04/02/16 00:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	1		04/02/16 00:45	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1		04/02/16 00:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		04/02/16 00:45	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		04/02/16 00:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		04/02/16 00:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		04/02/16 00:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		04/02/16 00:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	1		04/02/16 00:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		04/02/16 00:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		04/02/16 00:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		04/02/16 00:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		04/02/16 00:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		04/02/16 00:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		04/02/16 00:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		04/02/16 00:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		04/02/16 00:45	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-15 (1.5-2.5FT) **Lab ID: 92291493001** Collected: 03/24/16 11:40 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	4.9	1		04/02/16 00:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		04/02/16 00:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		04/02/16 00:45	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1		04/02/16 00:45	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1		04/02/16 00:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		04/02/16 00:45	87-68-3	
2-Hexanone	ND	ug/kg	48.8	1		04/02/16 00:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		04/02/16 00:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		04/02/16 00:45	99-87-6	
Methylene Chloride	ND	ug/kg	19.5	1		04/02/16 00:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.8	1		04/02/16 00:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		04/02/16 00:45	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		04/02/16 00:45	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		04/02/16 00:45	103-65-1	
Styrene	ND	ug/kg	4.9	1		04/02/16 00:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		04/02/16 00:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		04/02/16 00:45	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		04/02/16 00:45	127-18-4	
Toluene	ND	ug/kg	4.9	1		04/02/16 00:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		04/02/16 00:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		04/02/16 00:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		04/02/16 00:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		04/02/16 00:45	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		04/02/16 00:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		04/02/16 00:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		04/02/16 00:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		04/02/16 00:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		04/02/16 00:45	108-67-8	
Vinyl acetate	ND	ug/kg	48.8	1		04/02/16 00:45	108-05-4	
Vinyl chloride	ND	ug/kg	9.8	1		04/02/16 00:45	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	1		04/02/16 00:45	1330-20-7	
m&p-Xylene	ND	ug/kg	9.8	1		04/02/16 00:45	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1		04/02/16 00:45	95-47-6	
Surrogates								
Toluene-d8 (S)	102	%	70-130	1		04/02/16 00:45	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	1		04/02/16 00:45	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-132	1		04/02/16 00:45	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.9**	%	0.10	1		03/28/16 07:07		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-16 (1-2FT) **Lab ID: 92291493002** Collected: 03/24/16 12:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**2.7**	mg/kg	1.3	1	03/28/16 12:25	03/30/16 04:32	7440-38-2	
Barium	**31.8**	mg/kg	0.63	1	03/28/16 12:25	03/30/16 04:32	7440-39-3	
Cadmium	ND	mg/kg	0.13	1	03/28/16 12:25	03/30/16 04:32	7440-43-9	
Chromium	**22.4**	mg/kg	0.63	1	03/28/16 12:25	03/30/16 04:32	7440-47-3	
Lead	**6.4**	mg/kg	0.63	1	03/28/16 12:25	03/30/16 04:32	7439-92-1	
Selenium	**1.3**	mg/kg	1.3	1	03/28/16 12:25	03/30/16 04:32	7782-49-2	
Silver	ND	mg/kg	0.63	1	03/28/16 12:25	03/30/16 04:32	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.4; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 20:42	7440-38-2	
Barium	ND	mg/L	0.25	1	04/07/16 03:45	04/07/16 20:42	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 20:42	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:42	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:42	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 20:42	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:42	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.4; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 16:50	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.037**	mg/kg	0.0036	1	03/30/16 18:45	04/05/16 15:24	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	83-32-9	
Acenaphthylene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	208-96-8	
Aniline	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	62-53-3	
Anthracene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	207-08-9	
Benzoic Acid	ND	ug/kg	2190	1	03/26/16 12:20	03/30/16 16:50	65-85-0	
Benzyl alcohol	ND	ug/kg	876	1	03/26/16 12:20	03/30/16 16:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	876	1	03/26/16 12:20	03/30/16 16:50	59-50-7	
4-Chloroaniline	ND	ug/kg	2190	1	03/26/16 12:20	03/30/16 16:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	108-60-1	
2-Chloronaphthalene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	91-58-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-16 (1-2FT) **Lab ID: 92291493002** Collected: 03/24/16 12:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	7005-72-3	
Chrysene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	53-70-3	
Dibenzofuran	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2190	1	03/26/16 12:20	03/30/16 16:50	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	120-83-2	
Diethylphthalate	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	105-67-9	
Dimethylphthalate	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	876	1	03/26/16 12:20	03/30/16 16:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2190	1	03/26/16 12:20	03/30/16 16:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	117-81-7	
Fluoranthene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	206-44-0	
Fluorene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	87-68-3	
Hexachlorobenzene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	77-47-4	
Hexachloroethane	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	193-39-5	
Isophorone	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	78-59-1	
1-Methylnaphthalene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	90-12-0	
2-Methylnaphthalene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50		
Naphthalene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	91-20-3	
2-Nitroaniline	ND	ug/kg	2190	1	03/26/16 12:20	03/30/16 16:50	88-74-4	
3-Nitroaniline	ND	ug/kg	2190	1	03/26/16 12:20	03/30/16 16:50	99-09-2	
4-Nitroaniline	ND	ug/kg	876	1	03/26/16 12:20	03/30/16 16:50	100-01-6	
Nitrobenzene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	98-95-3	
2-Nitrophenol	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	88-75-5	
4-Nitrophenol	ND	ug/kg	2190	1	03/26/16 12:20	03/30/16 16:50	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	86-30-6	
Pentachlorophenol	ND	ug/kg	2190	1	03/26/16 12:20	03/30/16 16:50	87-86-5	
Phenanthrene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	85-01-8	
Phenol	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50		
Pyrene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-16 (1-2FT) **Lab ID: 92291493002** Collected: 03/24/16 12:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	438	1	03/26/16 12:20	03/30/16 16:50	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	65	%	23-110	1	03/26/16 12:20	03/30/16 16:50	4165-60-0	
2-Fluorobiphenyl (S)	63	%	30-110	1	03/26/16 12:20	03/30/16 16:50	321-60-8	
Terphenyl-d14 (S)	80	%	28-110	1	03/26/16 12:20	03/30/16 16:50	1718-51-0	
Phenol-d6 (S)	65	%	22-110	1	03/26/16 12:20	03/30/16 16:50	13127-88-3	
2-Fluorophenol (S)	64	%	13-110	1	03/26/16 12:20	03/30/16 16:50	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110	1	03/26/16 12:20	03/30/16 16:50	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	117	1		04/02/16 01:05	67-64-1	
Benzene	ND	ug/kg	5.8	1		04/02/16 01:05	71-43-2	
Bromobenzene	ND	ug/kg	5.8	1		04/02/16 01:05	108-86-1	
Bromochloromethane	ND	ug/kg	5.8	1		04/02/16 01:05	74-97-5	
Bromodichloromethane	ND	ug/kg	5.8	1		04/02/16 01:05	75-27-4	
Bromoform	ND	ug/kg	5.8	1		04/02/16 01:05	75-25-2	
Bromomethane	ND	ug/kg	11.7	1		04/02/16 01:05	74-83-9	
2-Butanone (MEK)	ND	ug/kg	117	1		04/02/16 01:05	78-93-3	
n-Butylbenzene	ND	ug/kg	5.8	1		04/02/16 01:05	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.8	1		04/02/16 01:05	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.8	1		04/02/16 01:05	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.8	1		04/02/16 01:05	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	1		04/02/16 01:05	108-90-7	
Chloroethane	ND	ug/kg	11.7	1		04/02/16 01:05	75-00-3	
Chloroform	ND	ug/kg	5.8	1		04/02/16 01:05	67-66-3	
Chloromethane	ND	ug/kg	11.7	1		04/02/16 01:05	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.8	1		04/02/16 01:05	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.8	1		04/02/16 01:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.8	1		04/02/16 01:05	96-12-8	
Dibromochloromethane	ND	ug/kg	5.8	1		04/02/16 01:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	1		04/02/16 01:05	106-93-4	
Dibromomethane	ND	ug/kg	5.8	1		04/02/16 01:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.8	1		04/02/16 01:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	1		04/02/16 01:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	1		04/02/16 01:05	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.7	1		04/02/16 01:05	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1		04/02/16 01:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	1		04/02/16 01:05	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.8	1		04/02/16 01:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1		04/02/16 01:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	1		04/02/16 01:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	1		04/02/16 01:05	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.8	1		04/02/16 01:05	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.8	1		04/02/16 01:05	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-16 (1-2FT) **Lab ID: 92291493002** Collected: 03/24/16 12:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	5.8	1		04/02/16 01:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	1		04/02/16 01:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1		04/02/16 01:05	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.8	1		04/02/16 01:05	108-20-3	
Ethylbenzene	ND	ug/kg	5.8	1		04/02/16 01:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1		04/02/16 01:05	87-68-3	
2-Hexanone	ND	ug/kg	58.3	1		04/02/16 01:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1		04/02/16 01:05	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.8	1		04/02/16 01:05	99-87-6	
Methylene Chloride	ND	ug/kg	23.3	1		04/02/16 01:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	58.3	1		04/02/16 01:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1		04/02/16 01:05	1634-04-4	
Naphthalene	ND	ug/kg	5.8	1		04/02/16 01:05	91-20-3	
n-Propylbenzene	ND	ug/kg	5.8	1		04/02/16 01:05	103-65-1	
Styrene	ND	ug/kg	5.8	1		04/02/16 01:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1		04/02/16 01:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1		04/02/16 01:05	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	1		04/02/16 01:05	127-18-4	
Toluene	ND	ug/kg	5.8	1		04/02/16 01:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1		04/02/16 01:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1		04/02/16 01:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	1		04/02/16 01:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	1		04/02/16 01:05	79-00-5	
Trichloroethene	ND	ug/kg	5.8	1		04/02/16 01:05	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	1		04/02/16 01:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.8	1		04/02/16 01:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1		04/02/16 01:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1		04/02/16 01:05	108-67-8	
Vinyl acetate	ND	ug/kg	58.3	1		04/02/16 01:05	108-05-4	
Vinyl chloride	ND	ug/kg	11.7	1		04/02/16 01:05	75-01-4	
Xylene (Total)	ND	ug/kg	11.7	1		04/02/16 01:05	1330-20-7	
m&p-Xylene	ND	ug/kg	11.7	1		04/02/16 01:05	179601-23-1	
o-Xylene	ND	ug/kg	5.8	1		04/02/16 01:05	95-47-6	
Surrogates								
Toluene-d8 (S)	102	%	70-130	1		04/02/16 01:05	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130	1		04/02/16 01:05	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-132	1		04/02/16 01:05	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**24.6**	%	0.10	1		03/28/16 07:07		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-14 (1-2FT) **Lab ID: 92291493003** Collected: 03/24/16 12:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	4.7	5	03/28/16 12:25	03/30/16 15:01	7440-38-2	
Barium	**46.8**	mg/kg	2.3	5	03/28/16 12:25	03/30/16 15:01	7440-39-3	
Cadmium	ND	mg/kg	0.47	5	03/28/16 12:25	03/30/16 15:01	7440-43-9	
Chromium	**14.5**	mg/kg	2.3	5	03/28/16 12:25	03/30/16 15:01	7440-47-3	
Lead	**7.6**	mg/kg	2.3	5	03/28/16 12:25	03/30/16 15:01	7439-92-1	
Selenium	ND	mg/kg	4.7	5	03/28/16 12:25	03/30/16 15:01	7782-49-2	
Silver	ND	mg/kg	2.3	5	03/28/16 12:25	03/30/16 15:01	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.8; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 20:45	7440-38-2	
Barium	ND	mg/L	0.25	1	04/07/16 03:45	04/07/16 20:45	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 20:45	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:45	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:45	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 20:45	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:45	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.8; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 16:52	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.061**	mg/kg	0.0042	1	03/30/16 18:45	04/05/16 15:26	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	83-32-9	
Acenaphthylene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	208-96-8	
Aniline	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	62-53-3	
Anthracene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	120-12-7	
Benzo(a)anthracene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	56-55-3	
Benzo(a)pyrene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	207-08-9	
Benzoic Acid	ND	ug/kg	2170	1	03/26/16 12:20	03/30/16 17:44	65-85-0	
Benzyl alcohol	ND	ug/kg	867	1	03/26/16 12:20	03/30/16 17:44	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	101-55-3	
Butylbenzylphthalate	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	867	1	03/26/16 12:20	03/30/16 17:44	59-50-7	
4-Chloroaniline	ND	ug/kg	2170	1	03/26/16 12:20	03/30/16 17:44	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	108-60-1	
2-Chloronaphthalene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	91-58-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-14 (1-2FT) **Lab ID: 92291493003** Collected: 03/24/16 12:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	7005-72-3	
Chrysene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	53-70-3	
Dibenzofuran	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2170	1	03/26/16 12:20	03/30/16 17:44	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	120-83-2	
Diethylphthalate	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	105-67-9	
Dimethylphthalate	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	131-11-3	
Di-n-butylphthalate	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	867	1	03/26/16 12:20	03/30/16 17:44	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2170	1	03/26/16 12:20	03/30/16 17:44	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	606-20-2	
Di-n-octylphthalate	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	117-81-7	
Fluoranthene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	206-44-0	
Fluorene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	87-68-3	
Hexachlorobenzene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	77-47-4	
Hexachloroethane	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	193-39-5	
Isophorone	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	78-59-1	
1-Methylnaphthalene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	90-12-0	
2-Methylnaphthalene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44		
Naphthalene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	91-20-3	
2-Nitroaniline	ND	ug/kg	2170	1	03/26/16 12:20	03/30/16 17:44	88-74-4	
3-Nitroaniline	ND	ug/kg	2170	1	03/26/16 12:20	03/30/16 17:44	99-09-2	
4-Nitroaniline	ND	ug/kg	867	1	03/26/16 12:20	03/30/16 17:44	100-01-6	
Nitrobenzene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	98-95-3	
2-Nitrophenol	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	88-75-5	
4-Nitrophenol	ND	ug/kg	2170	1	03/26/16 12:20	03/30/16 17:44	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	86-30-6	
Pentachlorophenol	ND	ug/kg	2170	1	03/26/16 12:20	03/30/16 17:44	87-86-5	
Phenanthrene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	85-01-8	
Phenol	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44		
Pyrene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-14 (1-2FT) **Lab ID: 92291493003** Collected: 03/24/16 12:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	434	1	03/26/16 12:20	03/30/16 17:44	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	82	%	23-110	1	03/26/16 12:20	03/30/16 17:44	4165-60-0	
2-Fluorobiphenyl (S)	80	%	30-110	1	03/26/16 12:20	03/30/16 17:44	321-60-8	
Terphenyl-d14 (S)	97	%	28-110	1	03/26/16 12:20	03/30/16 17:44	1718-51-0	
Phenol-d6 (S)	77	%	22-110	1	03/26/16 12:20	03/30/16 17:44	13127-88-3	
2-Fluorophenol (S)	76	%	13-110	1	03/26/16 12:20	03/30/16 17:44	367-12-4	
2,4,6-Tribromophenol (S)	78	%	27-110	1	03/26/16 12:20	03/30/16 17:44	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	103	1		04/02/16 01:25	67-64-1	
Benzene	ND	ug/kg	5.2	1		04/02/16 01:25	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1		04/02/16 01:25	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1		04/02/16 01:25	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	1		04/02/16 01:25	75-27-4	
Bromoform	ND	ug/kg	5.2	1		04/02/16 01:25	75-25-2	
Bromomethane	ND	ug/kg	10.3	1		04/02/16 01:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	103	1		04/02/16 01:25	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1		04/02/16 01:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1		04/02/16 01:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.2	1		04/02/16 01:25	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.2	1		04/02/16 01:25	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1		04/02/16 01:25	108-90-7	
Chloroethane	ND	ug/kg	10.3	1		04/02/16 01:25	75-00-3	
Chloroform	ND	ug/kg	5.2	1		04/02/16 01:25	67-66-3	
Chloromethane	ND	ug/kg	10.3	1		04/02/16 01:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1		04/02/16 01:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1		04/02/16 01:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.2	1		04/02/16 01:25	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1		04/02/16 01:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1		04/02/16 01:25	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1		04/02/16 01:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1		04/02/16 01:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1		04/02/16 01:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1		04/02/16 01:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.3	1		04/02/16 01:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1		04/02/16 01:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1		04/02/16 01:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1		04/02/16 01:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1		04/02/16 01:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1		04/02/16 01:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1		04/02/16 01:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1		04/02/16 01:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1		04/02/16 01:25	594-20-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-14 (1-2FT) **Lab ID: 92291493003** Collected: 03/24/16 12:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	5.2	1		04/02/16 01:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1		04/02/16 01:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1		04/02/16 01:25	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.2	1		04/02/16 01:25	108-20-3	
Ethylbenzene	ND	ug/kg	5.2	1		04/02/16 01:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1		04/02/16 01:25	87-68-3	
2-Hexanone	ND	ug/kg	51.7	1		04/02/16 01:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1		04/02/16 01:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1		04/02/16 01:25	99-87-6	
Methylene Chloride	ND	ug/kg	20.7	1		04/02/16 01:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.7	1		04/02/16 01:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		04/02/16 01:25	1634-04-4	
Naphthalene	ND	ug/kg	5.2	1		04/02/16 01:25	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1		04/02/16 01:25	103-65-1	
Styrene	ND	ug/kg	5.2	1		04/02/16 01:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1		04/02/16 01:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1		04/02/16 01:25	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1		04/02/16 01:25	127-18-4	
Toluene	ND	ug/kg	5.2	1		04/02/16 01:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1		04/02/16 01:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1		04/02/16 01:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1		04/02/16 01:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1		04/02/16 01:25	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1		04/02/16 01:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1		04/02/16 01:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1		04/02/16 01:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		04/02/16 01:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		04/02/16 01:25	108-67-8	
Vinyl acetate	ND	ug/kg	51.7	1		04/02/16 01:25	108-05-4	
Vinyl chloride	ND	ug/kg	10.3	1		04/02/16 01:25	75-01-4	
Xylene (Total)	ND	ug/kg	10.3	1		04/02/16 01:25	1330-20-7	
m&p-Xylene	ND	ug/kg	10.3	1		04/02/16 01:25	179601-23-1	
o-Xylene	ND	ug/kg	5.2	1		04/02/16 01:25	95-47-6	
Surrogates								
Toluene-d8 (S)	100	%	70-130	1		04/02/16 01:25	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130	1		04/02/16 01:25	460-00-4	
1,2-Dichloroethane-d4 (S)	133	%	70-132	1		04/02/16 01:25	17060-07-0	S3
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**23.9**	%	0.10	1		03/28/16 07:07		

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-16 (0-1FT) **Lab ID: 92291493004** Collected: 03/24/16 12:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.4**	mg/kg	0.74	1	03/28/16 12:25	03/30/16 04:38	7440-38-2	
Barium	**63.3**	mg/kg	0.37	1	03/28/16 12:25	03/30/16 04:38	7440-39-3	
Cadmium	ND	mg/kg	0.074	1	03/28/16 12:25	03/30/16 04:38	7440-43-9	
Chromium	**16.3**	mg/kg	0.37	1	03/28/16 12:25	03/30/16 04:38	7440-47-3	
Lead	**27.4**	mg/kg	0.37	1	03/28/16 12:25	03/30/16 04:38	7439-92-1	
Selenium	**0.75**	mg/kg	0.74	1	03/28/16 12:25	03/30/16 04:38	7782-49-2	
Silver	ND	mg/kg	0.37	1	03/28/16 12:25	03/30/16 04:38	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.3; Final pH: 4.8							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 20:48	7440-38-2	
Barium	**0.68**	mg/L	0.25	1	04/07/16 03:45	04/07/16 20:48	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 20:48	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:48	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:48	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 20:48	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:48	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.3; Final pH: 4.8							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 16:55	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.050**	mg/kg	0.0037	1	03/30/16 18:45	04/05/16 15:29	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	83-32-9	
Acenaphthylene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	208-96-8	
Aniline	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	62-53-3	
Anthracene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	120-12-7	
Benzo(a)anthracene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	56-55-3	
Benzo(a)pyrene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	207-08-9	
Benzoic Acid	ND	ug/kg	1930	1	03/31/16 09:52	03/31/16 15:09	65-85-0	
Benzyl alcohol	ND	ug/kg	771	1	03/31/16 09:52	03/31/16 15:09	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	101-55-3	
Butylbenzylphthalate	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	771	1	03/31/16 09:52	03/31/16 15:09	59-50-7	
4-Chloroaniline	ND	ug/kg	1930	1	03/31/16 09:52	03/31/16 15:09	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	108-60-1	
2-Chloronaphthalene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	91-58-7	

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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-16 (0-1FT) **Lab ID: 92291493004** Collected: 03/24/16 12:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	7005-72-3	
Chrysene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	53-70-3	
Dibenzofuran	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1930	1	03/31/16 09:52	03/31/16 15:09	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	120-83-2	
Diethylphthalate	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	105-67-9	
Dimethylphthalate	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	131-11-3	
Di-n-butylphthalate	**512**	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	771	1	03/31/16 09:52	03/31/16 15:09	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	1	03/31/16 09:52	03/31/16 15:09	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	606-20-2	
Di-n-octylphthalate	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	117-81-7	
Fluoranthene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	206-44-0	
Fluorene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	87-68-3	
Hexachlorobenzene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	77-47-4	
Hexachloroethane	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	193-39-5	
Isophorone	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	78-59-1	
1-Methylnaphthalene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	90-12-0	
2-Methylnaphthalene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09		
Naphthalene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	91-20-3	
2-Nitroaniline	ND	ug/kg	1930	1	03/31/16 09:52	03/31/16 15:09	88-74-4	
3-Nitroaniline	ND	ug/kg	1930	1	03/31/16 09:52	03/31/16 15:09	99-09-2	
4-Nitroaniline	ND	ug/kg	771	1	03/31/16 09:52	03/31/16 15:09	100-01-6	
Nitrobenzene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	98-95-3	
2-Nitrophenol	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	1	03/31/16 09:52	03/31/16 15:09	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	86-30-6	
Pentachlorophenol	ND	ug/kg	1930	1	03/31/16 09:52	03/31/16 15:09	87-86-5	
Phenanthrene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	85-01-8	
Phenol	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09		
Pyrene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-16 (0-1FT) **Lab ID: 92291493004** Collected: 03/24/16 12:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	385	1	03/31/16 09:52	03/31/16 15:09	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%	23-110	1	03/31/16 09:52	03/31/16 15:09	4165-60-0	
2-Fluorobiphenyl (S)	74	%	30-110	1	03/31/16 09:52	03/31/16 15:09	321-60-8	
Terphenyl-d14 (S)	85	%	28-110	1	03/31/16 09:52	03/31/16 15:09	1718-51-0	
Phenol-d6 (S)	68	%	22-110	1	03/31/16 09:52	03/31/16 15:09	13127-88-3	
2-Fluorophenol (S)	59	%	13-110	1	03/31/16 09:52	03/31/16 15:09	367-12-4	
2,4,6-Tribromophenol (S)	75	%	27-110	1	03/31/16 09:52	03/31/16 15:09	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	115	1		04/02/16 01:45	67-64-1	
Benzene	ND	ug/kg	5.7	1		04/02/16 01:45	71-43-2	
Bromobenzene	ND	ug/kg	5.7	1		04/02/16 01:45	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	1		04/02/16 01:45	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	1		04/02/16 01:45	75-27-4	
Bromoform	ND	ug/kg	5.7	1		04/02/16 01:45	75-25-2	
Bromomethane	ND	ug/kg	11.5	1		04/02/16 01:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	115	1		04/02/16 01:45	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	1		04/02/16 01:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	1		04/02/16 01:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.7	1		04/02/16 01:45	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.7	1		04/02/16 01:45	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	1		04/02/16 01:45	108-90-7	
Chloroethane	ND	ug/kg	11.5	1		04/02/16 01:45	75-00-3	
Chloroform	ND	ug/kg	5.7	1		04/02/16 01:45	67-66-3	
Chloromethane	ND	ug/kg	11.5	1		04/02/16 01:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	1		04/02/16 01:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	1		04/02/16 01:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	1		04/02/16 01:45	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	1		04/02/16 01:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	1		04/02/16 01:45	106-93-4	
Dibromomethane	ND	ug/kg	5.7	1		04/02/16 01:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	1		04/02/16 01:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	1		04/02/16 01:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1		04/02/16 01:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.5	1		04/02/16 01:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1		04/02/16 01:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	1		04/02/16 01:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	1		04/02/16 01:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1		04/02/16 01:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	1		04/02/16 01:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1		04/02/16 01:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	1		04/02/16 01:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	1		04/02/16 01:45	594-20-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-16 (0-1FT) **Lab ID: 92291493004** Collected: 03/24/16 12:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	5.7	1		04/02/16 01:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	1		04/02/16 01:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1		04/02/16 01:45	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.7	1		04/02/16 01:45	108-20-3	
Ethylbenzene	ND	ug/kg	5.7	1		04/02/16 01:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	1		04/02/16 01:45	87-68-3	
2-Hexanone	ND	ug/kg	57.5	1		04/02/16 01:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	1		04/02/16 01:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	1		04/02/16 01:45	99-87-6	
Methylene Chloride	ND	ug/kg	23.0	1		04/02/16 01:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	57.5	1		04/02/16 01:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1		04/02/16 01:45	1634-04-4	
Naphthalene	ND	ug/kg	5.7	1		04/02/16 01:45	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	1		04/02/16 01:45	103-65-1	
Styrene	ND	ug/kg	5.7	1		04/02/16 01:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	1		04/02/16 01:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1		04/02/16 01:45	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1		04/02/16 01:45	127-18-4	
Toluene	ND	ug/kg	5.7	1		04/02/16 01:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	1		04/02/16 01:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1		04/02/16 01:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	1		04/02/16 01:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	1		04/02/16 01:45	79-00-5	
Trichloroethene	ND	ug/kg	5.7	1		04/02/16 01:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	1		04/02/16 01:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	1		04/02/16 01:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	1		04/02/16 01:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	1		04/02/16 01:45	108-67-8	
Vinyl acetate	ND	ug/kg	57.5	1		04/02/16 01:45	108-05-4	
Vinyl chloride	ND	ug/kg	11.5	1		04/02/16 01:45	75-01-4	
Xylene (Total)	ND	ug/kg	11.5	1		04/02/16 01:45	1330-20-7	
m&p-Xylene	ND	ug/kg	11.5	1		04/02/16 01:45	179601-23-1	
o-Xylene	ND	ug/kg	5.7	1		04/02/16 01:45	95-47-6	
Surrogates								
Toluene-d8 (S)	96	%	70-130	1		04/02/16 01:45	2037-26-5	1g
4-Bromofluorobenzene (S)	81	%	70-130	1		04/02/16 01:45	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-132	1		04/02/16 01:45	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.4**	%	0.10	1		03/28/16 07:07		

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: DUP-1 **Lab ID: 92291493005** Collected: 03/23/16 00:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.6**	mg/kg	1.0	1	03/28/16 12:25	03/31/16 01:22	7440-38-2	
Barium	**26.2**	mg/kg	0.51	1	03/28/16 12:25	03/31/16 01:22	7440-39-3	M1
Cadmium	ND	mg/kg	0.10	1	03/28/16 12:25	03/31/16 01:22	7440-43-9	
Chromium	**21.4**	mg/kg	0.51	1	03/28/16 12:25	03/31/16 01:22	7440-47-3	M1
Lead	**8.7**	mg/kg	0.51	1	03/28/16 12:25	03/31/16 01:22	7439-92-1	
Selenium	**1.2**	mg/kg	1.0	1	03/28/16 12:25	03/31/16 01:22	7782-49-2	
Silver	ND	mg/kg	0.51	1	03/28/16 12:25	03/31/16 01:22	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.7; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 20:52	7440-38-2	
Barium	ND	mg/L	0.25	1	04/07/16 03:45	04/07/16 20:52	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 20:52	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:52	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:52	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 20:52	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:52	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.7; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 16:57	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.030**	mg/kg	0.0026	1	03/30/16 18:45	04/05/16 15:31	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	83-32-9	
Acenaphthylene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	208-96-8	
Aniline	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	62-53-3	
Anthracene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	207-08-9	
Benzoic Acid	ND	ug/kg	2070	1	03/26/16 12:20	03/30/16 18:39	65-85-0	
Benzyl alcohol	ND	ug/kg	829	1	03/26/16 12:20	03/30/16 18:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	829	1	03/26/16 12:20	03/30/16 18:39	59-50-7	
4-Chloroaniline	ND	ug/kg	2070	1	03/26/16 12:20	03/30/16 18:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	91-58-7	

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: DUP-1 **Lab ID: 92291493005** Collected: 03/23/16 00:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	7005-72-3	
Chrysene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	53-70-3	
Dibenzofuran	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2070	1	03/26/16 12:20	03/30/16 18:39	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	120-83-2	
Diethylphthalate	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	105-67-9	
Dimethylphthalate	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	829	1	03/26/16 12:20	03/30/16 18:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2070	1	03/26/16 12:20	03/30/16 18:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	117-81-7	
Fluoranthene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	206-44-0	
Fluorene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	87-68-3	
Hexachlorobenzene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	77-47-4	
Hexachloroethane	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	193-39-5	
Isophorone	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	78-59-1	
1-Methylnaphthalene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	90-12-0	
2-Methylnaphthalene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39		
Naphthalene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	91-20-3	
2-Nitroaniline	ND	ug/kg	2070	1	03/26/16 12:20	03/30/16 18:39	88-74-4	
3-Nitroaniline	ND	ug/kg	2070	1	03/26/16 12:20	03/30/16 18:39	99-09-2	
4-Nitroaniline	ND	ug/kg	829	1	03/26/16 12:20	03/30/16 18:39	100-01-6	
Nitrobenzene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	98-95-3	
2-Nitrophenol	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	88-75-5	
4-Nitrophenol	ND	ug/kg	2070	1	03/26/16 12:20	03/30/16 18:39	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	86-30-6	
Pentachlorophenol	ND	ug/kg	2070	1	03/26/16 12:20	03/30/16 18:39	87-86-5	
Phenanthrene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	85-01-8	
Phenol	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39		
Pyrene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: DUP-1 **Lab ID: 92291493005** Collected: 03/23/16 00:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	415	1	03/26/16 12:20	03/30/16 18:39	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	83	%	23-110	1	03/26/16 12:20	03/30/16 18:39	4165-60-0	
2-Fluorobiphenyl (S)	83	%	30-110	1	03/26/16 12:20	03/30/16 18:39	321-60-8	
Terphenyl-d14 (S)	99	%	28-110	1	03/26/16 12:20	03/30/16 18:39	1718-51-0	
Phenol-d6 (S)	78	%	22-110	1	03/26/16 12:20	03/30/16 18:39	13127-88-3	
2-Fluorophenol (S)	75	%	13-110	1	03/26/16 12:20	03/30/16 18:39	367-12-4	
2,4,6-Tribromophenol (S)	78	%	27-110	1	03/26/16 12:20	03/30/16 18:39	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	105	1		04/01/16 13:32	67-64-1	
Benzene	ND	ug/kg	5.3	1		04/01/16 13:32	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		04/01/16 13:32	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		04/01/16 13:32	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		04/01/16 13:32	75-27-4	
Bromoform	ND	ug/kg	5.3	1		04/01/16 13:32	75-25-2	
Bromomethane	ND	ug/kg	10.5	1		04/01/16 13:32	74-83-9	
2-Butanone (MEK)	ND	ug/kg	105	1		04/01/16 13:32	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		04/01/16 13:32	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		04/01/16 13:32	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		04/01/16 13:32	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.3	1		04/01/16 13:32	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:32	108-90-7	
Chloroethane	ND	ug/kg	10.5	1		04/01/16 13:32	75-00-3	
Chloroform	ND	ug/kg	5.3	1		04/01/16 13:32	67-66-3	
Chloromethane	ND	ug/kg	10.5	1		04/01/16 13:32	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		04/01/16 13:32	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		04/01/16 13:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	1		04/01/16 13:32	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1		04/01/16 13:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		04/01/16 13:32	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		04/01/16 13:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:32	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.5	1		04/01/16 13:32	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		04/01/16 13:32	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		04/01/16 13:32	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		04/01/16 13:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		04/01/16 13:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		04/01/16 13:32	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		04/01/16 13:32	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		04/01/16 13:32	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		04/01/16 13:32	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: DUP-1 **Lab ID: 92291493005** Collected: 03/23/16 00:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	5.3	1		04/01/16 13:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		04/01/16 13:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		04/01/16 13:32	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.3	1		04/01/16 13:32	108-20-3	
Ethylbenzene	ND	ug/kg	5.3	1		04/01/16 13:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		04/01/16 13:32	87-68-3	
2-Hexanone	ND	ug/kg	52.5	1		04/01/16 13:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		04/01/16 13:32	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		04/01/16 13:32	99-87-6	
Methylene Chloride	ND	ug/kg	21.0	1		04/01/16 13:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.5	1		04/01/16 13:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		04/01/16 13:32	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		04/01/16 13:32	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		04/01/16 13:32	103-65-1	
Styrene	ND	ug/kg	5.3	1		04/01/16 13:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		04/01/16 13:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		04/01/16 13:32	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		04/01/16 13:32	127-18-4	
Toluene	ND	ug/kg	5.3	1		04/01/16 13:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		04/01/16 13:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		04/01/16 13:32	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		04/01/16 13:32	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		04/01/16 13:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		04/01/16 13:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		04/01/16 13:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		04/01/16 13:32	108-67-8	
Vinyl acetate	ND	ug/kg	52.5	1		04/01/16 13:32	108-05-4	
Vinyl chloride	ND	ug/kg	10.5	1		04/01/16 13:32	75-01-4	
Xylene (Total)	ND	ug/kg	10.5	1		04/01/16 13:32	1330-20-7	
m&p-Xylene	ND	ug/kg	10.5	1		04/01/16 13:32	179601-23-1	
o-Xylene	ND	ug/kg	5.3	1		04/01/16 13:32	95-47-6	
Surrogates								
Toluene-d8 (S)	100	%	70-130	1		04/01/16 13:32	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130	1		04/01/16 13:32	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-132	1		04/01/16 13:32	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**20.4**	%	0.10	1		03/28/16 07:07		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-15 (0-1.5FT) **Lab ID: 92291493006** Collected: 03/24/16 11:40 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.4**	mg/kg	1.0	1	03/28/16 12:25	03/31/16 01:40	7440-38-2	
Barium	**83.1**	mg/kg	0.51	1	03/28/16 12:25	03/31/16 01:40	7440-39-3	
Cadmium	ND	mg/kg	0.10	1	03/28/16 12:25	03/31/16 01:40	7440-43-9	
Chromium	**15.5**	mg/kg	0.51	1	03/28/16 12:25	03/31/16 01:40	7440-47-3	
Lead	**22.4**	mg/kg	0.51	1	03/28/16 12:25	03/31/16 01:40	7439-92-1	
Selenium	ND	mg/kg	1.0	1	03/28/16 12:25	03/31/16 01:40	7782-49-2	
Silver	ND	mg/kg	0.51	1	03/28/16 12:25	03/31/16 01:40	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.5; Final pH: 4.8							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 20:55	7440-38-2	
Barium	**0.40**	mg/L	0.25	1	04/07/16 03:45	04/07/16 20:55	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 20:55	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:55	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:55	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 20:55	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:55	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.5; Final pH: 4.8							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 16:59	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.017**	mg/kg	0.0027	1	04/05/16 15:20	04/05/16 17:28	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	83-32-9	
Acenaphthylene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	208-96-8	
Aniline	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	62-53-3	
Anthracene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	120-12-7	
Benzo(a)anthracene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	56-55-3	
Benzo(a)pyrene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	207-08-9	
Benzoic Acid	ND	ug/kg	2100	1	03/31/16 09:52	03/31/16 15:36	65-85-0	
Benzyl alcohol	ND	ug/kg	839	1	03/31/16 09:52	03/31/16 15:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	839	1	03/31/16 09:52	03/31/16 15:36	59-50-7	
4-Chloroaniline	ND	ug/kg	2100	1	03/31/16 09:52	03/31/16 15:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	108-60-1	
2-Chloronaphthalene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	91-58-7	

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(704)875-9092

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-15 (0-1.5FT) **Lab ID: 92291493006** Collected: 03/24/16 11:40 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	7005-72-3	
Chrysene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	53-70-3	
Dibenzofuran	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2100	1	03/31/16 09:52	03/31/16 15:36	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	120-83-2	
Diethylphthalate	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	105-67-9	
Dimethylphthalate	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	131-11-3	
Di-n-butylphthalate	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	839	1	03/31/16 09:52	03/31/16 15:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2100	1	03/31/16 09:52	03/31/16 15:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	117-81-7	
Fluoranthene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	206-44-0	
Fluorene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	87-68-3	
Hexachlorobenzene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	77-47-4	
Hexachloroethane	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	193-39-5	
Isophorone	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	78-59-1	
1-Methylnaphthalene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	90-12-0	
2-Methylnaphthalene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36		
Naphthalene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	91-20-3	
2-Nitroaniline	ND	ug/kg	2100	1	03/31/16 09:52	03/31/16 15:36	88-74-4	
3-Nitroaniline	ND	ug/kg	2100	1	03/31/16 09:52	03/31/16 15:36	99-09-2	
4-Nitroaniline	ND	ug/kg	839	1	03/31/16 09:52	03/31/16 15:36	100-01-6	
Nitrobenzene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	98-95-3	
2-Nitrophenol	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	88-75-5	
4-Nitrophenol	ND	ug/kg	2100	1	03/31/16 09:52	03/31/16 15:36	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	86-30-6	
Pentachlorophenol	ND	ug/kg	2100	1	03/31/16 09:52	03/31/16 15:36	87-86-5	
Phenanthrene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	85-01-8	
Phenol	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36		
Pyrene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-15 (0-1.5FT) **Lab ID: 92291493006** Collected: 03/24/16 11:40 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	419	1	03/31/16 09:52	03/31/16 15:36	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%	23-110	1	03/31/16 09:52	03/31/16 15:36	4165-60-0	
2-Fluorobiphenyl (S)	68	%	30-110	1	03/31/16 09:52	03/31/16 15:36	321-60-8	
Terphenyl-d14 (S)	79	%	28-110	1	03/31/16 09:52	03/31/16 15:36	1718-51-0	
Phenol-d6 (S)	69	%	22-110	1	03/31/16 09:52	03/31/16 15:36	13127-88-3	
2-Fluorophenol (S)	65	%	13-110	1	03/31/16 09:52	03/31/16 15:36	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110	1	03/31/16 09:52	03/31/16 15:36	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	120	1		04/02/16 02:05	67-64-1	
Benzene	ND	ug/kg	6.0	1		04/02/16 02:05	71-43-2	
Bromobenzene	ND	ug/kg	6.0	1		04/02/16 02:05	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	1		04/02/16 02:05	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	1		04/02/16 02:05	75-27-4	
Bromoform	ND	ug/kg	6.0	1		04/02/16 02:05	75-25-2	
Bromomethane	ND	ug/kg	12.0	1		04/02/16 02:05	74-83-9	
2-Butanone (MEK)	ND	ug/kg	120	1		04/02/16 02:05	78-93-3	
n-Butylbenzene	ND	ug/kg	6.0	1		04/02/16 02:05	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.0	1		04/02/16 02:05	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.0	1		04/02/16 02:05	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.0	1		04/02/16 02:05	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	1		04/02/16 02:05	108-90-7	
Chloroethane	ND	ug/kg	12.0	1		04/02/16 02:05	75-00-3	
Chloroform	ND	ug/kg	6.0	1		04/02/16 02:05	67-66-3	
Chloromethane	ND	ug/kg	12.0	1		04/02/16 02:05	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	1		04/02/16 02:05	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	1		04/02/16 02:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	1		04/02/16 02:05	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	1		04/02/16 02:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	1		04/02/16 02:05	106-93-4	
Dibromomethane	ND	ug/kg	6.0	1		04/02/16 02:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.0	1		04/02/16 02:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	1		04/02/16 02:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	1		04/02/16 02:05	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.0	1		04/02/16 02:05	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	1		04/02/16 02:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	1		04/02/16 02:05	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	1		04/02/16 02:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1		04/02/16 02:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	1		04/02/16 02:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	1		04/02/16 02:05	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	1		04/02/16 02:05	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	1		04/02/16 02:05	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-15 (0-1.5FT) **Lab ID: 92291493006** Collected: 03/24/16 11:40 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.0	1		04/02/16 02:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	1		04/02/16 02:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1		04/02/16 02:05	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.0	1		04/02/16 02:05	108-20-3	
Ethylbenzene	ND	ug/kg	6.0	1		04/02/16 02:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	1		04/02/16 02:05	87-68-3	
2-Hexanone	ND	ug/kg	59.9	1		04/02/16 02:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	1		04/02/16 02:05	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.0	1		04/02/16 02:05	99-87-6	
Methylene Chloride	ND	ug/kg	24.0	1		04/02/16 02:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.9	1		04/02/16 02:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	1		04/02/16 02:05	1634-04-4	
Naphthalene	ND	ug/kg	6.0	1		04/02/16 02:05	91-20-3	
n-Propylbenzene	ND	ug/kg	6.0	1		04/02/16 02:05	103-65-1	
Styrene	ND	ug/kg	6.0	1		04/02/16 02:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	1		04/02/16 02:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1		04/02/16 02:05	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	1		04/02/16 02:05	127-18-4	
Toluene	ND	ug/kg	6.0	1		04/02/16 02:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	1		04/02/16 02:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1		04/02/16 02:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	1		04/02/16 02:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	1		04/02/16 02:05	79-00-5	
Trichloroethene	ND	ug/kg	6.0	1		04/02/16 02:05	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	1		04/02/16 02:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.0	1		04/02/16 02:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.0	1		04/02/16 02:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	1		04/02/16 02:05	108-67-8	
Vinyl acetate	ND	ug/kg	59.9	1		04/02/16 02:05	108-05-4	
Vinyl chloride	ND	ug/kg	12.0	1		04/02/16 02:05	75-01-4	
Xylene (Total)	ND	ug/kg	12.0	1		04/02/16 02:05	1330-20-7	
m&p-Xylene	ND	ug/kg	12.0	1		04/02/16 02:05	179601-23-1	
o-Xylene	ND	ug/kg	6.0	1		04/02/16 02:05	95-47-6	
Surrogates								
Toluene-d8 (S)	99	%	70-130	1		04/02/16 02:05	2037-26-5	1g
4-Bromofluorobenzene (S)	86	%	70-130	1		04/02/16 02:05	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-132	1		04/02/16 02:05	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**21.3**	%	0.10	1		03/28/16 07:08		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-1 (0-5FT) **Lab ID: 92291493007** Collected: 03/23/16 15:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	9.0	10	03/28/16 12:25	03/31/16 16:06	7440-38-2	D3
Barium	**331**	mg/kg	4.5	10	03/28/16 12:25	03/31/16 16:06	7440-39-3	
Cadmium	ND	mg/kg	0.90	10	03/28/16 12:25	03/31/16 16:06	7440-43-9	D3
Chromium	**21.1**	mg/kg	4.5	10	03/28/16 12:25	03/31/16 16:06	7440-47-3	
Lead	**12.6**	mg/kg	4.5	10	03/28/16 12:25	03/31/16 16:06	7439-92-1	
Selenium	ND	mg/kg	9.0	10	03/28/16 12:25	03/31/16 16:06	7782-49-2	D3
Silver	ND	mg/kg	4.5	10	03/28/16 12:25	03/31/16 16:06	7440-22-4	D3
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 7.4; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 20:58	7440-38-2	
Barium	**1.1**	mg/L	0.25	1	04/07/16 03:45	04/07/16 20:58	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 20:58	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:58	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:58	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 20:58	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 20:58	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 7.4; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:07	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.013**	mg/kg	0.0024	1	04/05/16 15:20	04/05/16 17:30	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	83-32-9	
Acenaphthylene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	208-96-8	
Aniline	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	62-53-3	
Anthracene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	120-12-7	
Benzo(a)anthracene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	56-55-3	
Benzo(a)pyrene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	207-08-9	
Benzoic Acid	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 19:34	65-85-0	
Benzyl alcohol	ND	ug/kg	820	1	03/26/16 12:20	03/30/16 19:34	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	101-55-3	
Butylbenzylphthalate	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	820	1	03/26/16 12:20	03/30/16 19:34	59-50-7	
4-Chloroaniline	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 19:34	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	108-60-1	
2-Chloronaphthalene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	91-58-7	

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-1 (0-5FT) **Lab ID: 92291493007** Collected: 03/23/16 15:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	7005-72-3	
Chrysene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	53-70-3	
Dibenzofuran	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 19:34	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	120-83-2	
Diethylphthalate	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	105-67-9	
Dimethylphthalate	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	131-11-3	
Di-n-butylphthalate	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	820	1	03/26/16 12:20	03/30/16 19:34	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 19:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	606-20-2	
Di-n-octylphthalate	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	117-81-7	
Fluoranthene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	206-44-0	
Fluorene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	87-68-3	
Hexachlorobenzene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	77-47-4	
Hexachloroethane	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	193-39-5	
Isophorone	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	78-59-1	
1-Methylnaphthalene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	90-12-0	
2-Methylnaphthalene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34		
Naphthalene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	91-20-3	
2-Nitroaniline	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 19:34	88-74-4	
3-Nitroaniline	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 19:34	99-09-2	
4-Nitroaniline	ND	ug/kg	820	1	03/26/16 12:20	03/30/16 19:34	100-01-6	
Nitrobenzene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	98-95-3	
2-Nitrophenol	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	88-75-5	
4-Nitrophenol	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 19:34	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	86-30-6	
Pentachlorophenol	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 19:34	87-86-5	
Phenanthrene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	85-01-8	
Phenol	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34		
Pyrene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-1 (0-5FT) **Lab ID: 92291493007** Collected: 03/23/16 15:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	410	1	03/26/16 12:20	03/30/16 19:34	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	81	%	23-110	1	03/26/16 12:20	03/30/16 19:34	4165-60-0	
2-Fluorobiphenyl (S)	78	%	30-110	1	03/26/16 12:20	03/30/16 19:34	321-60-8	
Terphenyl-d14 (S)	95	%	28-110	1	03/26/16 12:20	03/30/16 19:34	1718-51-0	
Phenol-d6 (S)	63	%	22-110	1	03/26/16 12:20	03/30/16 19:34	13127-88-3	
2-Fluorophenol (S)	56	%	13-110	1	03/26/16 12:20	03/30/16 19:34	367-12-4	
2,4,6-Tribromophenol (S)	55	%	27-110	1	03/26/16 12:20	03/30/16 19:34	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	105	1		04/01/16 13:51	67-64-1	
Benzene	ND	ug/kg	5.3	1		04/01/16 13:51	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		04/01/16 13:51	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		04/01/16 13:51	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		04/01/16 13:51	75-27-4	
Bromoform	ND	ug/kg	5.3	1		04/01/16 13:51	75-25-2	
Bromomethane	ND	ug/kg	10.5	1		04/01/16 13:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	105	1		04/01/16 13:51	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		04/01/16 13:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		04/01/16 13:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		04/01/16 13:51	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.3	1		04/01/16 13:51	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:51	108-90-7	
Chloroethane	ND	ug/kg	10.5	1		04/01/16 13:51	75-00-3	
Chloroform	ND	ug/kg	5.3	1		04/01/16 13:51	67-66-3	
Chloromethane	ND	ug/kg	10.5	1		04/01/16 13:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		04/01/16 13:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		04/01/16 13:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	1		04/01/16 13:51	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1		04/01/16 13:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		04/01/16 13:51	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		04/01/16 13:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.5	1		04/01/16 13:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		04/01/16 13:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		04/01/16 13:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		04/01/16 13:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		04/01/16 13:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		04/01/16 13:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		04/01/16 13:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		04/01/16 13:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		04/01/16 13:51	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-1 (0-5FT) **Lab ID: 92291493007** Collected: 03/23/16 15:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	5.3	1		04/01/16 13:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		04/01/16 13:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		04/01/16 13:51	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.3	1		04/01/16 13:51	108-20-3	
Ethylbenzene	ND	ug/kg	5.3	1		04/01/16 13:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		04/01/16 13:51	87-68-3	
2-Hexanone	ND	ug/kg	52.7	1		04/01/16 13:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		04/01/16 13:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		04/01/16 13:51	99-87-6	
Methylene Chloride	ND	ug/kg	21.1	1		04/01/16 13:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.7	1		04/01/16 13:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		04/01/16 13:51	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		04/01/16 13:51	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		04/01/16 13:51	103-65-1	
Styrene	ND	ug/kg	5.3	1		04/01/16 13:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		04/01/16 13:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		04/01/16 13:51	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		04/01/16 13:51	127-18-4	
Toluene	ND	ug/kg	5.3	1		04/01/16 13:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		04/01/16 13:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		04/01/16 13:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		04/01/16 13:51	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		04/01/16 13:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		04/01/16 13:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		04/01/16 13:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		04/01/16 13:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		04/01/16 13:51	108-67-8	
Vinyl acetate	ND	ug/kg	52.7	1		04/01/16 13:51	108-05-4	
Vinyl chloride	ND	ug/kg	10.5	1		04/01/16 13:51	75-01-4	
Xylene (Total)	ND	ug/kg	10.5	1		04/01/16 13:51	1330-20-7	
m&p-Xylene	ND	ug/kg	10.5	1		04/01/16 13:51	179601-23-1	
o-Xylene	ND	ug/kg	5.3	1		04/01/16 13:51	95-47-6	
Surrogates								
Toluene-d8 (S)	101	%	70-130	1		04/01/16 13:51	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130	1		04/01/16 13:51	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-132	1		04/01/16 13:51	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.5**	%	0.10	1		03/28/16 07:08		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-2 (0-5FT) **Lab ID: 92291493008** Collected: 03/23/16 16:10 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.1**	mg/kg	0.79	1	03/28/16 12:25	03/31/16 01:46	7440-38-2	
Barium	**36.2**	mg/kg	0.39	1	03/28/16 12:25	03/31/16 01:46	7440-39-3	
Cadmium	ND	mg/kg	0.079	1	03/28/16 12:25	03/31/16 01:46	7440-43-9	
Chromium	**13.6**	mg/kg	0.39	1	03/28/16 12:25	03/31/16 01:46	7440-47-3	
Lead	**7.4**	mg/kg	0.39	1	03/28/16 12:25	03/31/16 01:46	7439-92-1	
Selenium	ND	mg/kg	0.79	1	03/28/16 12:25	03/31/16 01:46	7782-49-2	
Silver	ND	mg/kg	0.39	1	03/28/16 12:25	03/31/16 01:46	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.8; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:02	7440-38-2	
Barium	ND	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:02	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:02	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:02	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:02	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:02	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:02	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.8; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:09	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.023**	mg/kg	0.0026	1	04/05/16 15:20	04/05/16 17:33	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	83-32-9	
Acenaphthylene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	208-96-8	
Aniline	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	62-53-3	
Anthracene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	120-12-7	
Benzo(a)anthracene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	56-55-3	
Benzo(a)pyrene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	207-08-9	
Benzoic Acid	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 20:02	65-85-0	
Benzyl alcohol	ND	ug/kg	821	1	03/26/16 12:20	03/30/16 20:02	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	101-55-3	
Butylbenzylphthalate	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	821	1	03/26/16 12:20	03/30/16 20:02	59-50-7	
4-Chloroaniline	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 20:02	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	108-60-1	
2-Chloronaphthalene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	91-58-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-2 (0-5FT) **Lab ID: 92291493008** Collected: 03/23/16 16:10 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	7005-72-3	
Chrysene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	53-70-3	
Dibenzofuran	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 20:02	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	120-83-2	
Diethylphthalate	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	105-67-9	
Dimethylphthalate	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	131-11-3	
Di-n-butylphthalate	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	821	1	03/26/16 12:20	03/30/16 20:02	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 20:02	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	606-20-2	
Di-n-octylphthalate	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	117-81-7	
Fluoranthene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	206-44-0	
Fluorene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	87-68-3	
Hexachlorobenzene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	77-47-4	
Hexachloroethane	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	193-39-5	
Isophorone	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	78-59-1	
1-Methylnaphthalene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	90-12-0	
2-Methylnaphthalene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02		
Naphthalene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	91-20-3	
2-Nitroaniline	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 20:02	88-74-4	
3-Nitroaniline	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 20:02	99-09-2	
4-Nitroaniline	ND	ug/kg	821	1	03/26/16 12:20	03/30/16 20:02	100-01-6	
Nitrobenzene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	98-95-3	
2-Nitrophenol	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	88-75-5	
4-Nitrophenol	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 20:02	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	86-30-6	
Pentachlorophenol	ND	ug/kg	2050	1	03/26/16 12:20	03/30/16 20:02	87-86-5	
Phenanthrene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	85-01-8	
Phenol	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02		
Pyrene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-2 (0-5FT) **Lab ID: 92291493008** Collected: 03/23/16 16:10 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	411	1	03/26/16 12:20	03/30/16 20:02	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	81	%	23-110	1	03/26/16 12:20	03/30/16 20:02	4165-60-0	
2-Fluorobiphenyl (S)	80	%	30-110	1	03/26/16 12:20	03/30/16 20:02	321-60-8	
Terphenyl-d14 (S)	97	%	28-110	1	03/26/16 12:20	03/30/16 20:02	1718-51-0	
Phenol-d6 (S)	53	%	22-110	1	03/26/16 12:20	03/30/16 20:02	13127-88-3	
2-Fluorophenol (S)	46	%	13-110	1	03/26/16 12:20	03/30/16 20:02	367-12-4	
2,4,6-Tribromophenol (S)	47	%	27-110	1	03/26/16 12:20	03/30/16 20:02	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	139	1		04/01/16 14:11	67-64-1	
Benzene	ND	ug/kg	7.0	1		04/01/16 14:11	71-43-2	
Bromobenzene	ND	ug/kg	7.0	1		04/01/16 14:11	108-86-1	
Bromochloromethane	ND	ug/kg	7.0	1		04/01/16 14:11	74-97-5	
Bromodichloromethane	ND	ug/kg	7.0	1		04/01/16 14:11	75-27-4	
Bromoform	ND	ug/kg	7.0	1		04/01/16 14:11	75-25-2	
Bromomethane	ND	ug/kg	13.9	1		04/01/16 14:11	74-83-9	
2-Butanone (MEK)	ND	ug/kg	139	1		04/01/16 14:11	78-93-3	
n-Butylbenzene	ND	ug/kg	7.0	1		04/01/16 14:11	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.0	1		04/01/16 14:11	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.0	1		04/01/16 14:11	98-06-6	
Carbon tetrachloride	ND	ug/kg	7.0	1		04/01/16 14:11	56-23-5	
Chlorobenzene	ND	ug/kg	7.0	1		04/01/16 14:11	108-90-7	
Chloroethane	ND	ug/kg	13.9	1		04/01/16 14:11	75-00-3	
Chloroform	ND	ug/kg	7.0	1		04/01/16 14:11	67-66-3	
Chloromethane	ND	ug/kg	13.9	1		04/01/16 14:11	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.0	1		04/01/16 14:11	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.0	1		04/01/16 14:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.0	1		04/01/16 14:11	96-12-8	
Dibromochloromethane	ND	ug/kg	7.0	1		04/01/16 14:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.0	1		04/01/16 14:11	106-93-4	
Dibromomethane	ND	ug/kg	7.0	1		04/01/16 14:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.0	1		04/01/16 14:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.0	1		04/01/16 14:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.0	1		04/01/16 14:11	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.9	1		04/01/16 14:11	75-71-8	
1,1-Dichloroethane	ND	ug/kg	7.0	1		04/01/16 14:11	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.0	1		04/01/16 14:11	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.0	1		04/01/16 14:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.0	1		04/01/16 14:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.0	1		04/01/16 14:11	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.0	1		04/01/16 14:11	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.0	1		04/01/16 14:11	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.0	1		04/01/16 14:11	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-2 (0-5FT) **Lab ID: 92291493008** Collected: 03/23/16 16:10 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	7.0	1		04/01/16 14:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.0	1		04/01/16 14:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.0	1		04/01/16 14:11	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.0	1		04/01/16 14:11	108-20-3	
Ethylbenzene	ND	ug/kg	7.0	1		04/01/16 14:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	7.0	1		04/01/16 14:11	87-68-3	
2-Hexanone	ND	ug/kg	69.6	1		04/01/16 14:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.0	1		04/01/16 14:11	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.0	1		04/01/16 14:11	99-87-6	
Methylene Chloride	ND	ug/kg	27.8	1		04/01/16 14:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	69.6	1		04/01/16 14:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.0	1		04/01/16 14:11	1634-04-4	
Naphthalene	ND	ug/kg	7.0	1		04/01/16 14:11	91-20-3	
n-Propylbenzene	ND	ug/kg	7.0	1		04/01/16 14:11	103-65-1	
Styrene	ND	ug/kg	7.0	1		04/01/16 14:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.0	1		04/01/16 14:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.0	1		04/01/16 14:11	79-34-5	
Tetrachloroethene	ND	ug/kg	7.0	1		04/01/16 14:11	127-18-4	
Toluene	ND	ug/kg	7.0	1		04/01/16 14:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.0	1		04/01/16 14:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.0	1		04/01/16 14:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.0	1		04/01/16 14:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.0	1		04/01/16 14:11	79-00-5	
Trichloroethene	ND	ug/kg	7.0	1		04/01/16 14:11	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.0	1		04/01/16 14:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.0	1		04/01/16 14:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.0	1		04/01/16 14:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.0	1		04/01/16 14:11	108-67-8	
Vinyl acetate	ND	ug/kg	69.6	1		04/01/16 14:11	108-05-4	
Vinyl chloride	ND	ug/kg	13.9	1		04/01/16 14:11	75-01-4	
Xylene (Total)	ND	ug/kg	13.9	1		04/01/16 14:11	1330-20-7	
m&p-Xylene	ND	ug/kg	13.9	1		04/01/16 14:11	179601-23-1	
o-Xylene	ND	ug/kg	7.0	1		04/01/16 14:11	95-47-6	
Surrogates								
Toluene-d8 (S)	101	%	70-130	1		04/01/16 14:11	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	1		04/01/16 14:11	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-132	1		04/01/16 14:11	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.6**	%	0.10	1		03/28/16 07:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-17 (1-2FT) **Lab ID: 92291493009** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	3.6	5	03/28/16 12:25	03/31/16 16:10	7440-38-2	D3
Barium	**94.3**	mg/kg	1.8	5	03/28/16 12:25	03/31/16 16:10	7440-39-3	
Cadmium	ND	mg/kg	0.36	5	03/28/16 12:25	03/31/16 16:10	7440-43-9	D3
Chromium	**7.1**	mg/kg	1.8	5	03/28/16 12:25	03/31/16 16:10	7440-47-3	
Lead	**11.6**	mg/kg	1.8	5	03/28/16 12:25	03/31/16 16:10	7439-92-1	
Selenium	ND	mg/kg	3.6	5	03/28/16 12:25	03/31/16 16:10	7782-49-2	D3
Silver	ND	mg/kg	1.8	5	03/28/16 12:25	03/31/16 16:10	7440-22-4	D3
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 6; Final pH: 4.8							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:05	7440-38-2	
Barium	**0.43**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:05	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:05	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:05	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:05	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:05	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:05	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 6; Final pH: 4.8							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:11	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	ND	mg/kg	0.0035	1	04/05/16 15:20	04/05/16 17:35	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	83-32-9	
Acenaphthylene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	208-96-8	
Aniline	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	62-53-3	
Anthracene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	120-12-7	
Benzo(a)anthracene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	56-55-3	
Benzo(a)pyrene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	207-08-9	
Benzoic Acid	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 20:29	65-85-0	
Benzyl alcohol	ND	ug/kg	859	1	03/26/16 12:20	03/30/16 20:29	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	101-55-3	
Butylbenzylphthalate	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	859	1	03/26/16 12:20	03/30/16 20:29	59-50-7	
4-Chloroaniline	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 20:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	108-60-1	
2-Chloronaphthalene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	91-58-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-17 (1-2FT) **Lab ID: 92291493009** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	7005-72-3	
Chrysene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	53-70-3	
Dibenzofuran	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 20:29	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	120-83-2	
Diethylphthalate	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	105-67-9	
Dimethylphthalate	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	131-11-3	
Di-n-butylphthalate	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	859	1	03/26/16 12:20	03/30/16 20:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 20:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	117-81-7	
Fluoranthene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	206-44-0	
Fluorene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	77-47-4	
Hexachloroethane	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	193-39-5	
Isophorone	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	78-59-1	
1-Methylnaphthalene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	90-12-0	
2-Methylnaphthalene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29		
Naphthalene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	91-20-3	
2-Nitroaniline	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 20:29	88-74-4	
3-Nitroaniline	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 20:29	99-09-2	
4-Nitroaniline	ND	ug/kg	859	1	03/26/16 12:20	03/30/16 20:29	100-01-6	
Nitrobenzene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	98-95-3	
2-Nitrophenol	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	88-75-5	
4-Nitrophenol	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 20:29	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	86-30-6	
Pentachlorophenol	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 20:29	87-86-5	
Phenanthrene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	85-01-8	
Phenol	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29		
Pyrene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-17 (1-2FT) **Lab ID: 92291493009** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	429	1	03/26/16 12:20	03/30/16 20:29	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	75	%	23-110	1	03/26/16 12:20	03/30/16 20:29	4165-60-0	
2-Fluorobiphenyl (S)	71	%	30-110	1	03/26/16 12:20	03/30/16 20:29	321-60-8	
Terphenyl-d14 (S)	87	%	28-110	1	03/26/16 12:20	03/30/16 20:29	1718-51-0	
Phenol-d6 (S)	76	%	22-110	1	03/26/16 12:20	03/30/16 20:29	13127-88-3	
2-Fluorophenol (S)	72	%	13-110	1	03/26/16 12:20	03/30/16 20:29	367-12-4	
2,4,6-Tribromophenol (S)	76	%	27-110	1	03/26/16 12:20	03/30/16 20:29	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	119	1		04/01/16 14:51	67-64-1	
Benzene	ND	ug/kg	5.9	1		04/01/16 14:51	71-43-2	
Bromobenzene	ND	ug/kg	5.9	1		04/01/16 14:51	108-86-1	
Bromochloromethane	ND	ug/kg	5.9	1		04/01/16 14:51	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	1		04/01/16 14:51	75-27-4	
Bromoform	ND	ug/kg	5.9	1		04/01/16 14:51	75-25-2	
Bromomethane	ND	ug/kg	11.9	1		04/01/16 14:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	119	1		04/01/16 14:51	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	1		04/01/16 14:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.9	1		04/01/16 14:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.9	1		04/01/16 14:51	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.9	1		04/01/16 14:51	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	1		04/01/16 14:51	108-90-7	
Chloroethane	ND	ug/kg	11.9	1		04/01/16 14:51	75-00-3	
Chloroform	ND	ug/kg	5.9	1		04/01/16 14:51	67-66-3	
Chloromethane	ND	ug/kg	11.9	1		04/01/16 14:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	1		04/01/16 14:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	1		04/01/16 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.9	1		04/01/16 14:51	96-12-8	
Dibromochloromethane	ND	ug/kg	5.9	1		04/01/16 14:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	1		04/01/16 14:51	106-93-4	
Dibromomethane	ND	ug/kg	5.9	1		04/01/16 14:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	1		04/01/16 14:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	1		04/01/16 14:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	1		04/01/16 14:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.9	1		04/01/16 14:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1		04/01/16 14:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	1		04/01/16 14:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	1		04/01/16 14:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1		04/01/16 14:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1		04/01/16 14:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1		04/01/16 14:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	1		04/01/16 14:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	1		04/01/16 14:51	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-17 (1-2FT) **Lab ID: 92291493009** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	5.9	1		04/01/16 14:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1		04/01/16 14:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1		04/01/16 14:51	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.9	1		04/01/16 14:51	108-20-3	
Ethylbenzene	ND	ug/kg	5.9	1		04/01/16 14:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1		04/01/16 14:51	87-68-3	
2-Hexanone	ND	ug/kg	59.5	1		04/01/16 14:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	1		04/01/16 14:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	1		04/01/16 14:51	99-87-6	
Methylene Chloride	ND	ug/kg	23.8	1		04/01/16 14:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.5	1		04/01/16 14:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1		04/01/16 14:51	1634-04-4	
Naphthalene	ND	ug/kg	5.9	1		04/01/16 14:51	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	1		04/01/16 14:51	103-65-1	
Styrene	ND	ug/kg	5.9	1		04/01/16 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1		04/01/16 14:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1		04/01/16 14:51	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	1		04/01/16 14:51	127-18-4	
Toluene	ND	ug/kg	5.9	1		04/01/16 14:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	1		04/01/16 14:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1		04/01/16 14:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	1		04/01/16 14:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	1		04/01/16 14:51	79-00-5	
Trichloroethene	ND	ug/kg	5.9	1		04/01/16 14:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	1		04/01/16 14:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	1		04/01/16 14:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	1		04/01/16 14:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	1		04/01/16 14:51	108-67-8	
Vinyl acetate	ND	ug/kg	59.5	1		04/01/16 14:51	108-05-4	
Vinyl chloride	ND	ug/kg	11.9	1		04/01/16 14:51	75-01-4	
Xylene (Total)	ND	ug/kg	11.9	1		04/01/16 14:51	1330-20-7	
m&p-Xylene	ND	ug/kg	11.9	1		04/01/16 14:51	179601-23-1	
o-Xylene	ND	ug/kg	5.9	1		04/01/16 14:51	95-47-6	
Surrogates								
Toluene-d8 (S)	100	%	70-130	1		04/01/16 14:51	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	1		04/01/16 14:51	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-132	1		04/01/16 14:51	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**23.1**	%	0.10	1		03/28/16 07:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-18 (4-5FT) **Lab ID: 92291493010** Collected: 03/23/16 15:05 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	0.80	1	03/28/16 12:25	03/31/16 01:53	7440-38-2	
Barium	**170**	mg/kg	0.40	1	03/28/16 12:25	03/31/16 01:53	7440-39-3	
Cadmium	ND	mg/kg	0.080	1	03/28/16 12:25	03/31/16 01:53	7440-43-9	
Chromium	**0.48**	mg/kg	0.40	1	03/28/16 12:25	03/31/16 01:53	7440-47-3	
Lead	**5.6**	mg/kg	0.40	1	03/28/16 12:25	03/31/16 01:53	7439-92-1	
Selenium	**0.89**	mg/kg	0.80	1	03/28/16 12:25	03/31/16 01:53	7782-49-2	
Silver	ND	mg/kg	0.40	1	03/28/16 12:25	03/31/16 01:53	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.9; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:18	7440-38-2	
Barium	**0.66**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:18	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:18	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:18	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:18	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:18	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:18	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.9; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:14	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.013**	mg/kg	0.0041	1	04/05/16 15:20	04/05/16 17:47	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	83-32-9	
Acenaphthylene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	208-96-8	
Aniline	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	62-53-3	
Anthracene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	120-12-7	
Benzo(a)anthracene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	207-08-9	
Benzoic Acid	ND	ug/kg	2040	1	03/26/16 12:20	03/30/16 20:56	65-85-0	
Benzyl alcohol	ND	ug/kg	815	1	03/26/16 12:20	03/30/16 20:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	815	1	03/26/16 12:20	03/30/16 20:56	59-50-7	
4-Chloroaniline	ND	ug/kg	2040	1	03/26/16 12:20	03/30/16 20:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	91-58-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-18 (4-5FT) **Lab ID: 92291493010** Collected: 03/23/16 15:05 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	7005-72-3	
Chrysene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	53-70-3	
Dibenzofuran	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2040	1	03/26/16 12:20	03/30/16 20:56	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	120-83-2	
Diethylphthalate	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	105-67-9	
Dimethylphthalate	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	815	1	03/26/16 12:20	03/30/16 20:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2040	1	03/26/16 12:20	03/30/16 20:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	117-81-7	
Fluoranthene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	206-44-0	
Fluorene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	77-47-4	
Hexachloroethane	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	193-39-5	
Isophorone	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	78-59-1	
1-Methylnaphthalene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	90-12-0	
2-Methylnaphthalene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56		
Naphthalene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	91-20-3	
2-Nitroaniline	ND	ug/kg	2040	1	03/26/16 12:20	03/30/16 20:56	88-74-4	
3-Nitroaniline	ND	ug/kg	2040	1	03/26/16 12:20	03/30/16 20:56	99-09-2	
4-Nitroaniline	ND	ug/kg	815	1	03/26/16 12:20	03/30/16 20:56	100-01-6	
Nitrobenzene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	98-95-3	
2-Nitrophenol	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	88-75-5	
4-Nitrophenol	ND	ug/kg	2040	1	03/26/16 12:20	03/30/16 20:56	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	86-30-6	
Pentachlorophenol	ND	ug/kg	2040	1	03/26/16 12:20	03/30/16 20:56	87-86-5	
Phenanthrene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	85-01-8	
Phenol	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56		
Pyrene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-18 (4-5FT) **Lab ID: 92291493010** Collected: 03/23/16 15:05 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	408	1	03/26/16 12:20	03/30/16 20:56	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	75	%	23-110	1	03/26/16 12:20	03/30/16 20:56	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-110	1	03/26/16 12:20	03/30/16 20:56	321-60-8	
Terphenyl-d14 (S)	95	%	28-110	1	03/26/16 12:20	03/30/16 20:56	1718-51-0	
Phenol-d6 (S)	73	%	22-110	1	03/26/16 12:20	03/30/16 20:56	13127-88-3	
2-Fluorophenol (S)	69	%	13-110	1	03/26/16 12:20	03/30/16 20:56	367-12-4	
2,4,6-Tribromophenol (S)	66	%	27-110	1	03/26/16 12:20	03/30/16 20:56	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	121	1		04/01/16 15:11	67-64-1	
Benzene	ND	ug/kg	6.0	1		04/01/16 15:11	71-43-2	
Bromobenzene	ND	ug/kg	6.0	1		04/01/16 15:11	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	1		04/01/16 15:11	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	1		04/01/16 15:11	75-27-4	
Bromoform	ND	ug/kg	6.0	1		04/01/16 15:11	75-25-2	
Bromomethane	ND	ug/kg	12.1	1		04/01/16 15:11	74-83-9	
2-Butanone (MEK)	ND	ug/kg	121	1		04/01/16 15:11	78-93-3	
n-Butylbenzene	ND	ug/kg	6.0	1		04/01/16 15:11	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.0	1		04/01/16 15:11	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.0	1		04/01/16 15:11	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.0	1		04/01/16 15:11	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	1		04/01/16 15:11	108-90-7	
Chloroethane	ND	ug/kg	12.1	1		04/01/16 15:11	75-00-3	
Chloroform	ND	ug/kg	6.0	1		04/01/16 15:11	67-66-3	
Chloromethane	ND	ug/kg	12.1	1		04/01/16 15:11	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	1		04/01/16 15:11	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	1		04/01/16 15:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	1		04/01/16 15:11	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	1		04/01/16 15:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	1		04/01/16 15:11	106-93-4	
Dibromomethane	ND	ug/kg	6.0	1		04/01/16 15:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.0	1		04/01/16 15:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	1		04/01/16 15:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	1		04/01/16 15:11	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.1	1		04/01/16 15:11	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	1		04/01/16 15:11	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	1		04/01/16 15:11	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	1		04/01/16 15:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1		04/01/16 15:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	1		04/01/16 15:11	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	1		04/01/16 15:11	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	1		04/01/16 15:11	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	1		04/01/16 15:11	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-18 (4-5FT) **Lab ID: 92291493010** Collected: 03/23/16 15:05 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.0	1		04/01/16 15:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	1		04/01/16 15:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1		04/01/16 15:11	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.0	1		04/01/16 15:11	108-20-3	
Ethylbenzene	ND	ug/kg	6.0	1		04/01/16 15:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	1		04/01/16 15:11	87-68-3	
2-Hexanone	ND	ug/kg	60.3	1		04/01/16 15:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	1		04/01/16 15:11	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.0	1		04/01/16 15:11	99-87-6	
Methylene Chloride	ND	ug/kg	24.1	1		04/01/16 15:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	60.3	1		04/01/16 15:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	1		04/01/16 15:11	1634-04-4	
Naphthalene	ND	ug/kg	6.0	1		04/01/16 15:11	91-20-3	
n-Propylbenzene	ND	ug/kg	6.0	1		04/01/16 15:11	103-65-1	
Styrene	ND	ug/kg	6.0	1		04/01/16 15:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	1		04/01/16 15:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1		04/01/16 15:11	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	1		04/01/16 15:11	127-18-4	
Toluene	ND	ug/kg	6.0	1		04/01/16 15:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	1		04/01/16 15:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1		04/01/16 15:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	1		04/01/16 15:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	1		04/01/16 15:11	79-00-5	
Trichloroethene	ND	ug/kg	6.0	1		04/01/16 15:11	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	1		04/01/16 15:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.0	1		04/01/16 15:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.0	1		04/01/16 15:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	1		04/01/16 15:11	108-67-8	
Vinyl acetate	ND	ug/kg	60.3	1		04/01/16 15:11	108-05-4	
Vinyl chloride	ND	ug/kg	12.1	1		04/01/16 15:11	75-01-4	
Xylene (Total)	ND	ug/kg	12.1	1		04/01/16 15:11	1330-20-7	
m&p-Xylene	ND	ug/kg	12.1	1		04/01/16 15:11	179601-23-1	
o-Xylene	ND	ug/kg	6.0	1		04/01/16 15:11	95-47-6	
Surrogates								
Toluene-d8 (S)	100	%	70-130	1		04/01/16 15:11	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	1		04/01/16 15:11	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-132	1		04/01/16 15:11	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.0**	%	0.10	1		03/28/16 07:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-18 (1-2FT) **Lab ID: 92291493011** Collected: 03/23/16 15:05 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**2.5**	mg/kg	1.1	1	03/28/16 12:25	03/31/16 01:56	7440-38-2	
Barium	**86.8**	mg/kg	0.57	1	03/28/16 12:25	03/31/16 01:56	7440-39-3	
Cadmium	ND	mg/kg	0.11	1	03/28/16 12:25	03/31/16 01:56	7440-43-9	
Chromium	**5.6**	mg/kg	0.57	1	03/28/16 12:25	03/31/16 01:56	7440-47-3	
Lead	**21.3**	mg/kg	0.57	1	03/28/16 12:25	03/31/16 01:56	7439-92-1	
Selenium	ND	mg/kg	1.1	1	03/28/16 12:25	03/31/16 01:56	7782-49-2	
Silver	ND	mg/kg	0.57	1	03/28/16 12:25	03/31/16 01:56	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.3; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:21	7440-38-2	
Barium	**0.35**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:21	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:21	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:21	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:21	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:21	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:21	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.3; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:16	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.039**	mg/kg	0.0045	1	04/05/16 15:20	04/05/16 17:49	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	83-32-9	
Acenaphthylene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	208-96-8	
Aniline	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	62-53-3	
Anthracene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	120-12-7	
Benzo(a)anthracene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	56-55-3	
Benzo(a)pyrene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	207-08-9	
Benzoic Acid	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 21:24	65-85-0	
Benzyl alcohol	ND	ug/kg	859	1	03/26/16 12:20	03/30/16 21:24	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	101-55-3	
Butylbenzylphthalate	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	859	1	03/26/16 12:20	03/30/16 21:24	59-50-7	
4-Chloroaniline	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 21:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	108-60-1	
2-Chloronaphthalene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	91-58-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-18 (1-2FT) **Lab ID: 92291493011** Collected: 03/23/16 15:05 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	7005-72-3	
Chrysene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	53-70-3	
Dibenzofuran	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 21:24	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	120-83-2	
Diethylphthalate	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	105-67-9	
Dimethylphthalate	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	131-11-3	
Di-n-butylphthalate	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	859	1	03/26/16 12:20	03/30/16 21:24	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 21:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	606-20-2	
Di-n-octylphthalate	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	117-81-7	
Fluoranthene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	206-44-0	
Fluorene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	87-68-3	
Hexachlorobenzene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	77-47-4	
Hexachloroethane	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	193-39-5	
Isophorone	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	78-59-1	
1-Methylnaphthalene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	90-12-0	
2-Methylnaphthalene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24		
Naphthalene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	91-20-3	
2-Nitroaniline	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 21:24	88-74-4	
3-Nitroaniline	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 21:24	99-09-2	
4-Nitroaniline	ND	ug/kg	859	1	03/26/16 12:20	03/30/16 21:24	100-01-6	
Nitrobenzene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	98-95-3	
2-Nitrophenol	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	88-75-5	
4-Nitrophenol	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 21:24	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	86-30-6	
Pentachlorophenol	ND	ug/kg	2150	1	03/26/16 12:20	03/30/16 21:24	87-86-5	
Phenanthrene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	85-01-8	
Phenol	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24		
Pyrene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-18 (1-2FT) **Lab ID: 92291493011** Collected: 03/23/16 15:05 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	430	1	03/26/16 12:20	03/30/16 21:24	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73	%	23-110	1	03/26/16 12:20	03/30/16 21:24	4165-60-0	
2-Fluorobiphenyl (S)	72	%	30-110	1	03/26/16 12:20	03/30/16 21:24	321-60-8	
Terphenyl-d14 (S)	74	%	28-110	1	03/26/16 12:20	03/30/16 21:24	1718-51-0	
Phenol-d6 (S)	44	%	22-110	1	03/26/16 12:20	03/30/16 21:24	13127-88-3	
2-Fluorophenol (S)	33	%	13-110	1	03/26/16 12:20	03/30/16 21:24	367-12-4	
2,4,6-Tribromophenol (S)	55	%	27-110	1	03/26/16 12:20	03/30/16 21:24	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	122	1		04/01/16 15:30	67-64-1	
Benzene	ND	ug/kg	6.1	1		04/01/16 15:30	71-43-2	
Bromobenzene	ND	ug/kg	6.1	1		04/01/16 15:30	108-86-1	
Bromochloromethane	ND	ug/kg	6.1	1		04/01/16 15:30	74-97-5	
Bromodichloromethane	ND	ug/kg	6.1	1		04/01/16 15:30	75-27-4	
Bromoform	ND	ug/kg	6.1	1		04/01/16 15:30	75-25-2	
Bromomethane	ND	ug/kg	12.2	1		04/01/16 15:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	122	1		04/01/16 15:30	78-93-3	
n-Butylbenzene	ND	ug/kg	6.1	1		04/01/16 15:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.1	1		04/01/16 15:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.1	1		04/01/16 15:30	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.1	1		04/01/16 15:30	56-23-5	
Chlorobenzene	ND	ug/kg	6.1	1		04/01/16 15:30	108-90-7	
Chloroethane	ND	ug/kg	12.2	1		04/01/16 15:30	75-00-3	
Chloroform	ND	ug/kg	6.1	1		04/01/16 15:30	67-66-3	
Chloromethane	ND	ug/kg	12.2	1		04/01/16 15:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.1	1		04/01/16 15:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.1	1		04/01/16 15:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.1	1		04/01/16 15:30	96-12-8	
Dibromochloromethane	ND	ug/kg	6.1	1		04/01/16 15:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.1	1		04/01/16 15:30	106-93-4	
Dibromomethane	ND	ug/kg	6.1	1		04/01/16 15:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.1	1		04/01/16 15:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.1	1		04/01/16 15:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.1	1		04/01/16 15:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.2	1		04/01/16 15:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.1	1		04/01/16 15:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.1	1		04/01/16 15:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.1	1		04/01/16 15:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.1	1		04/01/16 15:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.1	1		04/01/16 15:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.1	1		04/01/16 15:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.1	1		04/01/16 15:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.1	1		04/01/16 15:30	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-18 (1-2FT) **Lab ID: 92291493011** Collected: 03/23/16 15:05 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.1	1		04/01/16 15:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.1	1		04/01/16 15:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.1	1		04/01/16 15:30	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.1	1		04/01/16 15:30	108-20-3	
Ethylbenzene	ND	ug/kg	6.1	1		04/01/16 15:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.1	1		04/01/16 15:30	87-68-3	
2-Hexanone	ND	ug/kg	61.0	1		04/01/16 15:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.1	1		04/01/16 15:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.1	1		04/01/16 15:30	99-87-6	
Methylene Chloride	ND	ug/kg	24.4	1		04/01/16 15:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	61.0	1		04/01/16 15:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.1	1		04/01/16 15:30	1634-04-4	
Naphthalene	ND	ug/kg	6.1	1		04/01/16 15:30	91-20-3	
n-Propylbenzene	ND	ug/kg	6.1	1		04/01/16 15:30	103-65-1	
Styrene	ND	ug/kg	6.1	1		04/01/16 15:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.1	1		04/01/16 15:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.1	1		04/01/16 15:30	79-34-5	
Tetrachloroethene	ND	ug/kg	6.1	1		04/01/16 15:30	127-18-4	
Toluene	ND	ug/kg	6.1	1		04/01/16 15:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.1	1		04/01/16 15:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.1	1		04/01/16 15:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.1	1		04/01/16 15:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.1	1		04/01/16 15:30	79-00-5	
Trichloroethene	ND	ug/kg	6.1	1		04/01/16 15:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.1	1		04/01/16 15:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.1	1		04/01/16 15:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.1	1		04/01/16 15:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.1	1		04/01/16 15:30	108-67-8	
Vinyl acetate	ND	ug/kg	61.0	1		04/01/16 15:30	108-05-4	
Vinyl chloride	ND	ug/kg	12.2	1		04/01/16 15:30	75-01-4	
Xylene (Total)	ND	ug/kg	12.2	1		04/01/16 15:30	1330-20-7	
m&p-Xylene	ND	ug/kg	12.2	1		04/01/16 15:30	179601-23-1	
o-Xylene	ND	ug/kg	6.1	1		04/01/16 15:30	95-47-6	
Surrogates								
Toluene-d8 (S)	98	%	70-130	1		04/01/16 15:30	2037-26-5	
4-Bromofluorobenzene (S)	82	%	70-130	1		04/01/16 15:30	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-132	1		04/01/16 15:30	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**23.2**	%	0.10	1		03/28/16 07:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-4 (0-5FT) **Lab ID: 92291493012** Collected: 03/24/16 09:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**0.94**	mg/kg	0.93	1	03/28/16 12:25	03/31/16 01:59	7440-38-2	
Barium	**58.7**	mg/kg	0.47	1	03/28/16 12:25	03/31/16 01:59	7440-39-3	
Cadmium	ND	mg/kg	0.093	1	03/28/16 12:25	03/31/16 01:59	7440-43-9	
Chromium	**30.0**	mg/kg	0.47	1	03/28/16 12:25	03/31/16 01:59	7440-47-3	
Lead	**8.7**	mg/kg	0.47	1	03/28/16 12:25	03/31/16 01:59	7439-92-1	
Selenium	**1.0**	mg/kg	0.93	1	03/28/16 12:25	03/31/16 01:59	7782-49-2	
Silver	ND	mg/kg	0.47	1	03/28/16 12:25	03/31/16 01:59	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.7; Final pH: 4.8							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:24	7440-38-2	
Barium	**0.45**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:24	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:24	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:24	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:24	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:24	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:24	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.7; Final pH: 4.8							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:18	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.041**	mg/kg	0.0041	1	04/05/16 15:20	04/05/16 17:52	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	83-32-9	
Acenaphthylene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	208-96-8	
Aniline	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	62-53-3	
Anthracene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	120-12-7	
Benzo(a)anthracene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	56-55-3	
Benzo(a)pyrene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	207-08-9	
Benzoic Acid	ND	ug/kg	2250	1	03/26/16 12:20	03/30/16 21:51	65-85-0	
Benzyl alcohol	ND	ug/kg	901	1	03/26/16 12:20	03/30/16 21:51	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	101-55-3	
Butylbenzylphthalate	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	901	1	03/26/16 12:20	03/30/16 21:51	59-50-7	
4-Chloroaniline	ND	ug/kg	2250	1	03/26/16 12:20	03/30/16 21:51	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	108-60-1	
2-Chloronaphthalene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	91-58-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-4 (0-5FT) **Lab ID: 92291493012** Collected: 03/24/16 09:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	7005-72-3	
Chrysene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	53-70-3	
Dibenzofuran	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2250	1	03/26/16 12:20	03/30/16 21:51	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	120-83-2	
Diethylphthalate	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	105-67-9	
Dimethylphthalate	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	131-11-3	
Di-n-butylphthalate	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	901	1	03/26/16 12:20	03/30/16 21:51	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2250	1	03/26/16 12:20	03/30/16 21:51	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	606-20-2	
Di-n-octylphthalate	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	117-81-7	
Fluoranthene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	206-44-0	
Fluorene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	87-68-3	
Hexachlorobenzene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	77-47-4	
Hexachloroethane	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	193-39-5	
Isophorone	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	78-59-1	
1-Methylnaphthalene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	90-12-0	
2-Methylnaphthalene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51		
Naphthalene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	91-20-3	
2-Nitroaniline	ND	ug/kg	2250	1	03/26/16 12:20	03/30/16 21:51	88-74-4	
3-Nitroaniline	ND	ug/kg	2250	1	03/26/16 12:20	03/30/16 21:51	99-09-2	
4-Nitroaniline	ND	ug/kg	901	1	03/26/16 12:20	03/30/16 21:51	100-01-6	
Nitrobenzene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	98-95-3	
2-Nitrophenol	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	88-75-5	
4-Nitrophenol	ND	ug/kg	2250	1	03/26/16 12:20	03/30/16 21:51	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	86-30-6	
Pentachlorophenol	ND	ug/kg	2250	1	03/26/16 12:20	03/30/16 21:51	87-86-5	
Phenanthrene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	85-01-8	
Phenol	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51		
Pyrene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-4 (0-5FT) **Lab ID: 92291493012** Collected: 03/24/16 09:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	450	1	03/26/16 12:20	03/30/16 21:51	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	79	%	23-110	1	03/26/16 12:20	03/30/16 21:51	4165-60-0	
2-Fluorobiphenyl (S)	78	%	30-110	1	03/26/16 12:20	03/30/16 21:51	321-60-8	
Terphenyl-d14 (S)	89	%	28-110	1	03/26/16 12:20	03/30/16 21:51	1718-51-0	
Phenol-d6 (S)	46	%	22-110	1	03/26/16 12:20	03/30/16 21:51	13127-88-3	
2-Fluorophenol (S)	36	%	13-110	1	03/26/16 12:20	03/30/16 21:51	367-12-4	
2,4,6-Tribromophenol (S)	63	%	27-110	1	03/26/16 12:20	03/30/16 21:51	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	136	1		04/02/16 02:25	67-64-1	
Benzene	ND	ug/kg	6.8	1		04/02/16 02:25	71-43-2	
Bromobenzene	ND	ug/kg	6.8	1		04/02/16 02:25	108-86-1	
Bromochloromethane	ND	ug/kg	6.8	1		04/02/16 02:25	74-97-5	
Bromodichloromethane	ND	ug/kg	6.8	1		04/02/16 02:25	75-27-4	
Bromoform	ND	ug/kg	6.8	1		04/02/16 02:25	75-25-2	
Bromomethane	ND	ug/kg	13.6	1		04/02/16 02:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	136	1		04/02/16 02:25	78-93-3	
n-Butylbenzene	ND	ug/kg	6.8	1		04/02/16 02:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.8	1		04/02/16 02:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.8	1		04/02/16 02:25	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.8	1		04/02/16 02:25	56-23-5	
Chlorobenzene	ND	ug/kg	6.8	1		04/02/16 02:25	108-90-7	
Chloroethane	ND	ug/kg	13.6	1		04/02/16 02:25	75-00-3	
Chloroform	ND	ug/kg	6.8	1		04/02/16 02:25	67-66-3	
Chloromethane	ND	ug/kg	13.6	1		04/02/16 02:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.8	1		04/02/16 02:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.8	1		04/02/16 02:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.8	1		04/02/16 02:25	96-12-8	
Dibromochloromethane	ND	ug/kg	6.8	1		04/02/16 02:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.8	1		04/02/16 02:25	106-93-4	
Dibromomethane	ND	ug/kg	6.8	1		04/02/16 02:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.8	1		04/02/16 02:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.8	1		04/02/16 02:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.8	1		04/02/16 02:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.6	1		04/02/16 02:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.8	1		04/02/16 02:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.8	1		04/02/16 02:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.8	1		04/02/16 02:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.8	1		04/02/16 02:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.8	1		04/02/16 02:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.8	1		04/02/16 02:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.8	1		04/02/16 02:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.8	1		04/02/16 02:25	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-4 (0-5FT) **Lab ID: 92291493012** Collected: 03/24/16 09:15 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.8	1		04/02/16 02:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.8	1		04/02/16 02:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.8	1		04/02/16 02:25	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.8	1		04/02/16 02:25	108-20-3	
Ethylbenzene	ND	ug/kg	6.8	1		04/02/16 02:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.8	1		04/02/16 02:25	87-68-3	
2-Hexanone	ND	ug/kg	68.1	1		04/02/16 02:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.8	1		04/02/16 02:25	98-82-8	
p-Isopropyltoluene	**57.9**	ug/kg	6.8	1		04/02/16 02:25	99-87-6	
Methylene Chloride	ND	ug/kg	27.2	1		04/02/16 02:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	68.1	1		04/02/16 02:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.8	1		04/02/16 02:25	1634-04-4	
Naphthalene	ND	ug/kg	6.8	1		04/02/16 02:25	91-20-3	
n-Propylbenzene	ND	ug/kg	6.8	1		04/02/16 02:25	103-65-1	
Styrene	ND	ug/kg	6.8	1		04/02/16 02:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.8	1		04/02/16 02:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.8	1		04/02/16 02:25	79-34-5	
Tetrachloroethene	ND	ug/kg	6.8	1		04/02/16 02:25	127-18-4	
Toluene	ND	ug/kg	6.8	1		04/02/16 02:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.8	1		04/02/16 02:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.8	1		04/02/16 02:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.8	1		04/02/16 02:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.8	1		04/02/16 02:25	79-00-5	
Trichloroethene	ND	ug/kg	6.8	1		04/02/16 02:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.8	1		04/02/16 02:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.8	1		04/02/16 02:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.8	1		04/02/16 02:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.8	1		04/02/16 02:25	108-67-8	
Vinyl acetate	ND	ug/kg	68.1	1		04/02/16 02:25	108-05-4	
Vinyl chloride	ND	ug/kg	13.6	1		04/02/16 02:25	75-01-4	
Xylene (Total)	ND	ug/kg	13.6	1		04/02/16 02:25	1330-20-7	
m&p-Xylene	ND	ug/kg	13.6	1		04/02/16 02:25	179601-23-1	
o-Xylene	ND	ug/kg	6.8	1		04/02/16 02:25	95-47-6	
Surrogates								
Toluene-d8 (S)	99	%	70-130	1		04/02/16 02:25	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130	1		04/02/16 02:25	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-132	1		04/02/16 02:25	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**26.7**	%	0.10	1		03/28/16 07:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-19 (0-1.5FT) **Lab ID: 92291493013** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.6**	mg/kg	1.3	1	03/28/16 12:25	03/31/16 02:03	7440-38-2	
Barium	**92.2**	mg/kg	0.63	1	03/28/16 12:25	03/31/16 02:03	7440-39-3	
Cadmium	**4.6**	mg/kg	0.13	1	03/28/16 12:25	03/31/16 02:03	7440-43-9	
Chromium	**6.0**	mg/kg	0.63	1	03/28/16 12:25	03/31/16 02:03	7440-47-3	
Lead	**23.4**	mg/kg	0.63	1	03/28/16 12:25	03/31/16 02:03	7439-92-1	
Selenium	ND	mg/kg	1.3	1	03/28/16 12:25	03/31/16 02:03	7782-49-2	
Silver	ND	mg/kg	0.63	1	03/28/16 12:25	03/31/16 02:03	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.6; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:27	7440-38-2	
Barium	**0.64**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:27	7440-39-3	
Cadmium	**0.055**	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:27	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:27	7440-47-3	
Lead	**0.050**	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:27	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:27	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:27	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.6; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:21	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.036**	mg/kg	0.0030	1	04/05/16 15:20	04/05/16 17:54	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	83-32-9	
Acenaphthylene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	208-96-8	
Aniline	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	62-53-3	
Anthracene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	120-12-7	
Benzo(a)anthracene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	207-08-9	
Benzoic Acid	ND	ug/kg	2160	1	03/26/16 12:20	03/30/16 22:18	65-85-0	
Benzyl alcohol	ND	ug/kg	864	1	03/26/16 12:20	03/30/16 22:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	101-55-3	
Butylbenzylphthalate	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	864	1	03/26/16 12:20	03/30/16 22:18	59-50-7	
4-Chloroaniline	ND	ug/kg	2160	1	03/26/16 12:20	03/30/16 22:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	108-60-1	
2-Chloronaphthalene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	91-58-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-19 (0-1.5FT) **Lab ID: 92291493013** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	7005-72-3	
Chrysene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	53-70-3	
Dibenzofuran	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2160	1	03/26/16 12:20	03/30/16 22:18	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	120-83-2	
Diethylphthalate	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	105-67-9	
Dimethylphthalate	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	131-11-3	
Di-n-butylphthalate	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	864	1	03/26/16 12:20	03/30/16 22:18	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2160	1	03/26/16 12:20	03/30/16 22:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	606-20-2	
Di-n-octylphthalate	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	117-81-7	
Fluoranthene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	206-44-0	
Fluorene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	87-68-3	
Hexachlorobenzene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	77-47-4	
Hexachloroethane	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	193-39-5	
Isophorone	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	78-59-1	
1-Methylnaphthalene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	90-12-0	
2-Methylnaphthalene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18		
Naphthalene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	91-20-3	
2-Nitroaniline	ND	ug/kg	2160	1	03/26/16 12:20	03/30/16 22:18	88-74-4	
3-Nitroaniline	ND	ug/kg	2160	1	03/26/16 12:20	03/30/16 22:18	99-09-2	
4-Nitroaniline	ND	ug/kg	864	1	03/26/16 12:20	03/30/16 22:18	100-01-6	
Nitrobenzene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	98-95-3	
2-Nitrophenol	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	88-75-5	
4-Nitrophenol	ND	ug/kg	2160	1	03/26/16 12:20	03/30/16 22:18	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	86-30-6	
Pentachlorophenol	ND	ug/kg	2160	1	03/26/16 12:20	03/30/16 22:18	87-86-5	
Phenanthrene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	85-01-8	
Phenol	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18		
Pyrene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-19 (0-1.5FT) **Lab ID: 92291493013** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	432	1	03/26/16 12:20	03/30/16 22:18	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	72	%	23-110	1	03/26/16 12:20	03/30/16 22:18	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-110	1	03/26/16 12:20	03/30/16 22:18	321-60-8	
Terphenyl-d14 (S)	80	%	28-110	1	03/26/16 12:20	03/30/16 22:18	1718-51-0	
Phenol-d6 (S)	63	%	22-110	1	03/26/16 12:20	03/30/16 22:18	13127-88-3	
2-Fluorophenol (S)	51	%	13-110	1	03/26/16 12:20	03/30/16 22:18	367-12-4	
2,4,6-Tribromophenol (S)	74	%	27-110	1	03/26/16 12:20	03/30/16 22:18	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	150	1		04/01/16 15:50	67-64-1	
Benzene	ND	ug/kg	7.5	1		04/01/16 15:50	71-43-2	
Bromobenzene	ND	ug/kg	7.5	1		04/01/16 15:50	108-86-1	
Bromochloromethane	ND	ug/kg	7.5	1		04/01/16 15:50	74-97-5	
Bromodichloromethane	ND	ug/kg	7.5	1		04/01/16 15:50	75-27-4	
Bromoform	ND	ug/kg	7.5	1		04/01/16 15:50	75-25-2	
Bromomethane	ND	ug/kg	15.0	1		04/01/16 15:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	150	1		04/01/16 15:50	78-93-3	
n-Butylbenzene	ND	ug/kg	7.5	1		04/01/16 15:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.5	1		04/01/16 15:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.5	1		04/01/16 15:50	98-06-6	
Carbon tetrachloride	ND	ug/kg	7.5	1		04/01/16 15:50	56-23-5	
Chlorobenzene	ND	ug/kg	7.5	1		04/01/16 15:50	108-90-7	
Chloroethane	ND	ug/kg	15.0	1		04/01/16 15:50	75-00-3	
Chloroform	ND	ug/kg	7.5	1		04/01/16 15:50	67-66-3	
Chloromethane	ND	ug/kg	15.0	1		04/01/16 15:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.5	1		04/01/16 15:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.5	1		04/01/16 15:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.5	1		04/01/16 15:50	96-12-8	
Dibromochloromethane	ND	ug/kg	7.5	1		04/01/16 15:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.5	1		04/01/16 15:50	106-93-4	
Dibromomethane	ND	ug/kg	7.5	1		04/01/16 15:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.5	1		04/01/16 15:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.5	1		04/01/16 15:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.5	1		04/01/16 15:50	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	15.0	1		04/01/16 15:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	7.5	1		04/01/16 15:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.5	1		04/01/16 15:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.5	1		04/01/16 15:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.5	1		04/01/16 15:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.5	1		04/01/16 15:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.5	1		04/01/16 15:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.5	1		04/01/16 15:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.5	1		04/01/16 15:50	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-19 (0-1.5FT) **Lab ID: 92291493013** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	7.5	1		04/01/16 15:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.5	1		04/01/16 15:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.5	1		04/01/16 15:50	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.5	1		04/01/16 15:50	108-20-3	
Ethylbenzene	ND	ug/kg	7.5	1		04/01/16 15:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	7.5	1		04/01/16 15:50	87-68-3	
2-Hexanone	ND	ug/kg	74.9	1		04/01/16 15:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.5	1		04/01/16 15:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.5	1		04/01/16 15:50	99-87-6	
Methylene Chloride	ND	ug/kg	30.0	1		04/01/16 15:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	74.9	1		04/01/16 15:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.5	1		04/01/16 15:50	1634-04-4	
Naphthalene	ND	ug/kg	7.5	1		04/01/16 15:50	91-20-3	
n-Propylbenzene	ND	ug/kg	7.5	1		04/01/16 15:50	103-65-1	
Styrene	ND	ug/kg	7.5	1		04/01/16 15:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.5	1		04/01/16 15:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.5	1		04/01/16 15:50	79-34-5	
Tetrachloroethene	ND	ug/kg	7.5	1		04/01/16 15:50	127-18-4	
Toluene	ND	ug/kg	7.5	1		04/01/16 15:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.5	1		04/01/16 15:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.5	1		04/01/16 15:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.5	1		04/01/16 15:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.5	1		04/01/16 15:50	79-00-5	
Trichloroethene	ND	ug/kg	7.5	1		04/01/16 15:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.5	1		04/01/16 15:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.5	1		04/01/16 15:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.5	1		04/01/16 15:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.5	1		04/01/16 15:50	108-67-8	
Vinyl acetate	ND	ug/kg	74.9	1		04/01/16 15:50	108-05-4	
Vinyl chloride	ND	ug/kg	15.0	1		04/01/16 15:50	75-01-4	
Xylene (Total)	ND	ug/kg	15.0	1		04/01/16 15:50	1330-20-7	
m&p-Xylene	ND	ug/kg	15.0	1		04/01/16 15:50	179601-23-1	
o-Xylene	ND	ug/kg	7.5	1		04/01/16 15:50	95-47-6	
Surrogates								
Toluene-d8 (S)	98	%	70-130	1		04/01/16 15:50	2037-26-5	
4-Bromofluorobenzene (S)	82	%	70-130	1		04/01/16 15:50	460-00-4	
1,2-Dichloroethane-d4 (S)	154	%	70-132	1		04/01/16 15:50	17060-07-0	S3
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**23.6**	%	0.10	1		03/28/16 07:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-7 (5-10FT) **Lab ID: 92291493014** Collected: 03/23/16 13:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	1.3	1	03/28/16 12:25	03/31/16 02:06	7440-38-2	
Barium	**183**	mg/kg	0.64	1	03/28/16 12:25	03/31/16 02:06	7440-39-3	
Cadmium	ND	mg/kg	0.13	1	03/28/16 12:25	03/31/16 02:06	7440-43-9	
Chromium	**20.5**	mg/kg	0.64	1	03/28/16 12:25	03/31/16 02:06	7440-47-3	
Lead	**13.9**	mg/kg	0.64	1	03/28/16 12:25	03/31/16 02:06	7439-92-1	
Selenium	**1.4**	mg/kg	1.3	1	03/28/16 12:25	03/31/16 02:06	7782-49-2	
Silver	ND	mg/kg	0.64	1	03/28/16 12:25	03/31/16 02:06	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.8; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:31	7440-38-2	
Barium	**0.92**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:31	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:31	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:31	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:31	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:31	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:31	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.8; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:23	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.030**	mg/kg	0.0033	1	04/05/16 15:20	04/05/16 17:56	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	83-32-9	
Acenaphthylene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	208-96-8	
Aniline	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	62-53-3	
Anthracene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	120-12-7	
Benzo(a)anthracene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	56-55-3	
Benzo(a)pyrene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	207-08-9	
Benzoic Acid	ND	ug/kg	2270	1	03/26/16 12:20	03/30/16 22:46	65-85-0	
Benzyl alcohol	ND	ug/kg	910	1	03/26/16 12:20	03/30/16 22:46	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	101-55-3	
Butylbenzylphthalate	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	910	1	03/26/16 12:20	03/30/16 22:46	59-50-7	
4-Chloroaniline	ND	ug/kg	2270	1	03/26/16 12:20	03/30/16 22:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	108-60-1	
2-Chloronaphthalene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	91-58-7	

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-7 (5-10FT) **Lab ID: 92291493014** Collected: 03/23/16 13:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	7005-72-3	
Chrysene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	53-70-3	
Dibenzofuran	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2270	1	03/26/16 12:20	03/30/16 22:46	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	120-83-2	
Diethylphthalate	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	105-67-9	
Dimethylphthalate	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	131-11-3	
Di-n-butylphthalate	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	910	1	03/26/16 12:20	03/30/16 22:46	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2270	1	03/26/16 12:20	03/30/16 22:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	606-20-2	
Di-n-octylphthalate	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	117-81-7	
Fluoranthene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	206-44-0	
Fluorene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	87-68-3	
Hexachlorobenzene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	77-47-4	
Hexachloroethane	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	193-39-5	
Isophorone	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	78-59-1	
1-Methylnaphthalene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	90-12-0	
2-Methylnaphthalene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46		
Naphthalene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	91-20-3	
2-Nitroaniline	ND	ug/kg	2270	1	03/26/16 12:20	03/30/16 22:46	88-74-4	
3-Nitroaniline	ND	ug/kg	2270	1	03/26/16 12:20	03/30/16 22:46	99-09-2	
4-Nitroaniline	ND	ug/kg	910	1	03/26/16 12:20	03/30/16 22:46	100-01-6	
Nitrobenzene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	98-95-3	
2-Nitrophenol	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	88-75-5	
4-Nitrophenol	ND	ug/kg	2270	1	03/26/16 12:20	03/30/16 22:46	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	86-30-6	
Pentachlorophenol	ND	ug/kg	2270	1	03/26/16 12:20	03/30/16 22:46	87-86-5	
Phenanthrene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	85-01-8	
Phenol	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46		
Pyrene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-7 (5-10FT) **Lab ID: 92291493014** Collected: 03/23/16 13:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	455	1	03/26/16 12:20	03/30/16 22:46	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	80	%	23-110	1	03/26/16 12:20	03/30/16 22:46	4165-60-0	
2-Fluorobiphenyl (S)	74	%	30-110	1	03/26/16 12:20	03/30/16 22:46	321-60-8	
Terphenyl-d14 (S)	90	%	28-110	1	03/26/16 12:20	03/30/16 22:46	1718-51-0	
Phenol-d6 (S)	52	%	22-110	1	03/26/16 12:20	03/30/16 22:46	13127-88-3	
2-Fluorophenol (S)	46	%	13-110	1	03/26/16 12:20	03/30/16 22:46	367-12-4	
2,4,6-Tribromophenol (S)	44	%	27-110	1	03/26/16 12:20	03/30/16 22:46	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	115	1		04/01/16 16:10	67-64-1	
Benzene	ND	ug/kg	5.8	1		04/01/16 16:10	71-43-2	
Bromobenzene	ND	ug/kg	5.8	1		04/01/16 16:10	108-86-1	
Bromochloromethane	ND	ug/kg	5.8	1		04/01/16 16:10	74-97-5	
Bromodichloromethane	ND	ug/kg	5.8	1		04/01/16 16:10	75-27-4	
Bromoform	ND	ug/kg	5.8	1		04/01/16 16:10	75-25-2	
Bromomethane	ND	ug/kg	11.5	1		04/01/16 16:10	74-83-9	
2-Butanone (MEK)	ND	ug/kg	115	1		04/01/16 16:10	78-93-3	
n-Butylbenzene	ND	ug/kg	5.8	1		04/01/16 16:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.8	1		04/01/16 16:10	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.8	1		04/01/16 16:10	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.8	1		04/01/16 16:10	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	1		04/01/16 16:10	108-90-7	
Chloroethane	ND	ug/kg	11.5	1		04/01/16 16:10	75-00-3	
Chloroform	ND	ug/kg	5.8	1		04/01/16 16:10	67-66-3	
Chloromethane	ND	ug/kg	11.5	1		04/01/16 16:10	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.8	1		04/01/16 16:10	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.8	1		04/01/16 16:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.8	1		04/01/16 16:10	96-12-8	
Dibromochloromethane	ND	ug/kg	5.8	1		04/01/16 16:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	1		04/01/16 16:10	106-93-4	
Dibromomethane	ND	ug/kg	5.8	1		04/01/16 16:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.8	1		04/01/16 16:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	1		04/01/16 16:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	1		04/01/16 16:10	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.5	1		04/01/16 16:10	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1		04/01/16 16:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	1		04/01/16 16:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.8	1		04/01/16 16:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1		04/01/16 16:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	1		04/01/16 16:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	1		04/01/16 16:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.8	1		04/01/16 16:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.8	1		04/01/16 16:10	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-7 (5-10FT) **Lab ID: 92291493014** Collected: 03/23/16 13:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	5.8	1		04/01/16 16:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	1		04/01/16 16:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1		04/01/16 16:10	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.8	1		04/01/16 16:10	108-20-3	
Ethylbenzene	ND	ug/kg	5.8	1		04/01/16 16:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1		04/01/16 16:10	87-68-3	
2-Hexanone	ND	ug/kg	57.7	1		04/01/16 16:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1		04/01/16 16:10	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.8	1		04/01/16 16:10	99-87-6	
Methylene Chloride	ND	ug/kg	23.1	1		04/01/16 16:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	57.7	1		04/01/16 16:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1		04/01/16 16:10	1634-04-4	
Naphthalene	ND	ug/kg	5.8	1		04/01/16 16:10	91-20-3	
n-Propylbenzene	ND	ug/kg	5.8	1		04/01/16 16:10	103-65-1	
Styrene	ND	ug/kg	5.8	1		04/01/16 16:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1		04/01/16 16:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1		04/01/16 16:10	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	1		04/01/16 16:10	127-18-4	
Toluene	ND	ug/kg	5.8	1		04/01/16 16:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1		04/01/16 16:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1		04/01/16 16:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	1		04/01/16 16:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	1		04/01/16 16:10	79-00-5	
Trichloroethene	ND	ug/kg	5.8	1		04/01/16 16:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	1		04/01/16 16:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.8	1		04/01/16 16:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1		04/01/16 16:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1		04/01/16 16:10	108-67-8	
Vinyl acetate	ND	ug/kg	57.7	1		04/01/16 16:10	108-05-4	
Vinyl chloride	ND	ug/kg	11.5	1		04/01/16 16:10	75-01-4	
Xylene (Total)	ND	ug/kg	11.5	1		04/01/16 16:10	1330-20-7	
m&p-Xylene	ND	ug/kg	11.5	1		04/01/16 16:10	179601-23-1	
o-Xylene	ND	ug/kg	5.8	1		04/01/16 16:10	95-47-6	
Surrogates								
Toluene-d8 (S)	101	%	70-130	1		04/01/16 16:10	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130	1		04/01/16 16:10	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-132	1		04/01/16 16:10	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**27.4**	%	0.10	1		03/28/16 07:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-19 (2-3FT) **Lab ID: 92291493015** Collected: 03/23/16 14:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	1.3	1	03/28/16 12:25	03/31/16 02:09	7440-38-2	
Barium	**151**	mg/kg	0.64	1	03/28/16 12:25	03/31/16 02:09	7440-39-3	
Cadmium	ND	mg/kg	0.13	1	03/28/16 12:25	03/31/16 02:09	7440-43-9	
Chromium	**2.0**	mg/kg	0.64	1	03/28/16 12:25	03/31/16 02:09	7440-47-3	
Lead	**7.1**	mg/kg	0.64	1	03/28/16 12:25	03/31/16 02:09	7439-92-1	
Selenium	**1.9**	mg/kg	1.3	1	03/28/16 12:25	03/31/16 02:09	7782-49-2	
Silver	ND	mg/kg	0.64	1	03/28/16 12:25	03/31/16 02:09	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.8; Final pH: 4.8							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:34	7440-38-2	
Barium	**0.55**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:34	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:34	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:34	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:34	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:34	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:34	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.8; Final pH: 4.8							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:25	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.067**	mg/kg	0.0034	1	04/05/16 15:20	04/05/16 17:59	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	83-32-9	
Acenaphthylene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	208-96-8	
Aniline	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	62-53-3	
Anthracene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	120-12-7	
Benzo(a)anthracene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	56-55-3	
Benzo(a)pyrene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	207-08-9	
Benzoic Acid	ND	ug/kg	2210	1	03/28/16 15:30	03/31/16 12:12	65-85-0	
Benzyl alcohol	ND	ug/kg	885	1	03/28/16 15:30	03/31/16 12:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	885	1	03/28/16 15:30	03/31/16 12:12	59-50-7	
4-Chloroaniline	ND	ug/kg	2210	1	03/28/16 15:30	03/31/16 12:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	108-60-1	
2-Chloronaphthalene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	91-58-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-19 (2-3FT) **Lab ID: 92291493015** Collected: 03/23/16 14:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	7005-72-3	
Chrysene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	53-70-3	
Dibenzofuran	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2210	1	03/28/16 15:30	03/31/16 12:12	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	120-83-2	
Diethylphthalate	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	105-67-9	
Dimethylphthalate	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	131-11-3	
Di-n-butylphthalate	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	885	1	03/28/16 15:30	03/31/16 12:12	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2210	1	03/28/16 15:30	03/31/16 12:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	606-20-2	
Di-n-octylphthalate	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	117-81-7	
Fluoranthene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	206-44-0	
Fluorene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	87-68-3	
Hexachlorobenzene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	77-47-4	
Hexachloroethane	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	193-39-5	
Isophorone	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	78-59-1	
1-Methylnaphthalene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	90-12-0	
2-Methylnaphthalene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12		
Naphthalene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	91-20-3	
2-Nitroaniline	ND	ug/kg	2210	1	03/28/16 15:30	03/31/16 12:12	88-74-4	
3-Nitroaniline	ND	ug/kg	2210	1	03/28/16 15:30	03/31/16 12:12	99-09-2	
4-Nitroaniline	ND	ug/kg	885	1	03/28/16 15:30	03/31/16 12:12	100-01-6	
Nitrobenzene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	98-95-3	
2-Nitrophenol	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	88-75-5	
4-Nitrophenol	ND	ug/kg	2210	1	03/28/16 15:30	03/31/16 12:12	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	86-30-6	
Pentachlorophenol	ND	ug/kg	2210	1	03/28/16 15:30	03/31/16 12:12	87-86-5	
Phenanthrene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	85-01-8	
Phenol	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12		
Pyrene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-19 (2-3FT) **Lab ID: 92291493015** Collected: 03/23/16 14:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	443	1	03/28/16 15:30	03/31/16 12:12	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	48	%	23-110	1	03/28/16 15:30	03/31/16 12:12	4165-60-0	
2-Fluorobiphenyl (S)	63	%	30-110	1	03/28/16 15:30	03/31/16 12:12	321-60-8	
Terphenyl-d14 (S)	66	%	28-110	1	03/28/16 15:30	03/31/16 12:12	1718-51-0	
Phenol-d6 (S)	58	%	22-110	1	03/28/16 15:30	03/31/16 12:12	13127-88-3	
2-Fluorophenol (S)	66	%	13-110	1	03/28/16 15:30	03/31/16 12:12	367-12-4	
2,4,6-Tribromophenol (S)	71	%	27-110	1	03/28/16 15:30	03/31/16 12:12	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	130	1		04/01/16 16:30	67-64-1	
Benzene	ND	ug/kg	6.5	1		04/01/16 16:30	71-43-2	
Bromobenzene	ND	ug/kg	6.5	1		04/01/16 16:30	108-86-1	
Bromochloromethane	ND	ug/kg	6.5	1		04/01/16 16:30	74-97-5	
Bromodichloromethane	ND	ug/kg	6.5	1		04/01/16 16:30	75-27-4	
Bromoform	ND	ug/kg	6.5	1		04/01/16 16:30	75-25-2	
Bromomethane	ND	ug/kg	13.0	1		04/01/16 16:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	130	1		04/01/16 16:30	78-93-3	
n-Butylbenzene	ND	ug/kg	6.5	1		04/01/16 16:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.5	1		04/01/16 16:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.5	1		04/01/16 16:30	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.5	1		04/01/16 16:30	56-23-5	
Chlorobenzene	ND	ug/kg	6.5	1		04/01/16 16:30	108-90-7	
Chloroethane	ND	ug/kg	13.0	1		04/01/16 16:30	75-00-3	
Chloroform	ND	ug/kg	6.5	1		04/01/16 16:30	67-66-3	
Chloromethane	ND	ug/kg	13.0	1		04/01/16 16:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.5	1		04/01/16 16:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.5	1		04/01/16 16:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.5	1		04/01/16 16:30	96-12-8	
Dibromochloromethane	ND	ug/kg	6.5	1		04/01/16 16:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.5	1		04/01/16 16:30	106-93-4	
Dibromomethane	ND	ug/kg	6.5	1		04/01/16 16:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.5	1		04/01/16 16:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.5	1		04/01/16 16:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.5	1		04/01/16 16:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.0	1		04/01/16 16:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.5	1		04/01/16 16:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.5	1		04/01/16 16:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.5	1		04/01/16 16:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.5	1		04/01/16 16:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.5	1		04/01/16 16:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.5	1		04/01/16 16:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.5	1		04/01/16 16:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.5	1		04/01/16 16:30	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-19 (2-3FT) **Lab ID: 92291493015** Collected: 03/23/16 14:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.5	1		04/01/16 16:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.5	1		04/01/16 16:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.5	1		04/01/16 16:30	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.5	1		04/01/16 16:30	108-20-3	
Ethylbenzene	ND	ug/kg	6.5	1		04/01/16 16:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.5	1		04/01/16 16:30	87-68-3	
2-Hexanone	ND	ug/kg	65.0	1		04/01/16 16:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.5	1		04/01/16 16:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.5	1		04/01/16 16:30	99-87-6	
Methylene Chloride	ND	ug/kg	26.0	1		04/01/16 16:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	65.0	1		04/01/16 16:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.5	1		04/01/16 16:30	1634-04-4	
Naphthalene	ND	ug/kg	6.5	1		04/01/16 16:30	91-20-3	
n-Propylbenzene	ND	ug/kg	6.5	1		04/01/16 16:30	103-65-1	
Styrene	ND	ug/kg	6.5	1		04/01/16 16:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.5	1		04/01/16 16:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.5	1		04/01/16 16:30	79-34-5	
Tetrachloroethene	ND	ug/kg	6.5	1		04/01/16 16:30	127-18-4	
Toluene	ND	ug/kg	6.5	1		04/01/16 16:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.5	1		04/01/16 16:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.5	1		04/01/16 16:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.5	1		04/01/16 16:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.5	1		04/01/16 16:30	79-00-5	
Trichloroethene	ND	ug/kg	6.5	1		04/01/16 16:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.5	1		04/01/16 16:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.5	1		04/01/16 16:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.5	1		04/01/16 16:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.5	1		04/01/16 16:30	108-67-8	
Vinyl acetate	ND	ug/kg	65.0	1		04/01/16 16:30	108-05-4	
Vinyl chloride	ND	ug/kg	13.0	1		04/01/16 16:30	75-01-4	
Xylene (Total)	ND	ug/kg	13.0	1		04/01/16 16:30	1330-20-7	
m&p-Xylene	ND	ug/kg	13.0	1		04/01/16 16:30	179601-23-1	
o-Xylene	ND	ug/kg	6.5	1		04/01/16 16:30	95-47-6	
Surrogates								
Toluene-d8 (S)	103	%	70-130	1		04/01/16 16:30	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		04/01/16 16:30	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-132	1		04/01/16 16:30	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**25.5**	%	0.10	1		03/28/16 07:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-14 (0-1FT) **Lab ID: 92291493016** Collected: 03/24/16 12:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.6**	mg/kg	0.73	1	03/28/16 12:25	03/31/16 02:22	7440-38-2	
Barium	**102**	mg/kg	0.37	1	03/28/16 12:25	03/31/16 02:22	7440-39-3	
Cadmium	**0.089**	mg/kg	0.073	1	03/28/16 12:25	03/31/16 02:22	7440-43-9	
Chromium	**11.5**	mg/kg	0.37	1	03/28/16 12:25	03/31/16 02:22	7440-47-3	
Lead	**26.7**	mg/kg	0.37	1	03/28/16 12:25	03/31/16 02:22	7439-92-1	
Selenium	**0.80**	mg/kg	0.73	1	03/28/16 12:25	03/31/16 02:22	7782-49-2	
Silver	ND	mg/kg	0.37	1	03/28/16 12:25	03/31/16 02:22	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 6.1; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:37	7440-38-2	
Barium	**0.43**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:37	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:37	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:37	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:37	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:37	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:37	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 6.1; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:28	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.021**	mg/kg	0.0041	1	04/05/16 15:20	04/05/16 18:01	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	83-32-9	
Acenaphthylene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	208-96-8	
Aniline	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	62-53-3	
Anthracene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	120-12-7	
Benzo(a)anthracene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	56-55-3	
Benzo(a)pyrene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	207-08-9	
Benzoic Acid	ND	ug/kg	2010	1	03/28/16 15:30	03/31/16 13:06	65-85-0	
Benzyl alcohol	ND	ug/kg	803	1	03/28/16 15:30	03/31/16 13:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	803	1	03/28/16 15:30	03/31/16 13:06	59-50-7	
4-Chloroaniline	ND	ug/kg	2010	1	03/28/16 15:30	03/31/16 13:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	91-58-7	

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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-14 (0-1FT) **Lab ID: 92291493016** Collected: 03/24/16 12:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	7005-72-3	
Chrysene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	53-70-3	
Dibenzofuran	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2010	1	03/28/16 15:30	03/31/16 13:06	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	120-83-2	
Diethylphthalate	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	105-67-9	
Dimethylphthalate	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	803	1	03/28/16 15:30	03/31/16 13:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2010	1	03/28/16 15:30	03/31/16 13:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	117-81-7	
Fluoranthene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	206-44-0	
Fluorene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	87-68-3	
Hexachlorobenzene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	77-47-4	
Hexachloroethane	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	193-39-5	
Isophorone	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	78-59-1	
1-Methylnaphthalene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	90-12-0	
2-Methylnaphthalene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06		
Naphthalene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	91-20-3	
2-Nitroaniline	ND	ug/kg	2010	1	03/28/16 15:30	03/31/16 13:06	88-74-4	
3-Nitroaniline	ND	ug/kg	2010	1	03/28/16 15:30	03/31/16 13:06	99-09-2	
4-Nitroaniline	ND	ug/kg	803	1	03/28/16 15:30	03/31/16 13:06	100-01-6	
Nitrobenzene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	98-95-3	
2-Nitrophenol	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	88-75-5	
4-Nitrophenol	ND	ug/kg	2010	1	03/28/16 15:30	03/31/16 13:06	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	86-30-6	
Pentachlorophenol	ND	ug/kg	2010	1	03/28/16 15:30	03/31/16 13:06	87-86-5	
Phenanthrene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	85-01-8	
Phenol	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06		
Pyrene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-14 (0-1FT) **Lab ID: 92291493016** Collected: 03/24/16 12:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	401	1	03/28/16 15:30	03/31/16 13:06	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	46	%	23-110	1	03/28/16 15:30	03/31/16 13:06	4165-60-0	
2-Fluorobiphenyl (S)	65	%	30-110	1	03/28/16 15:30	03/31/16 13:06	321-60-8	
Terphenyl-d14 (S)	71	%	28-110	1	03/28/16 15:30	03/31/16 13:06	1718-51-0	
Phenol-d6 (S)	57	%	22-110	1	03/28/16 15:30	03/31/16 13:06	13127-88-3	
2-Fluorophenol (S)	56	%	13-110	1	03/28/16 15:30	03/31/16 13:06	367-12-4	
2,4,6-Tribromophenol (S)	82	%	27-110	1	03/28/16 15:30	03/31/16 13:06	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	**207**	ug/kg	123	1		04/02/16 02:45	67-64-1	
Benzene	ND	ug/kg	6.2	1		04/02/16 02:45	71-43-2	
Bromobenzene	ND	ug/kg	6.2	1		04/02/16 02:45	108-86-1	
Bromochloromethane	ND	ug/kg	6.2	1		04/02/16 02:45	74-97-5	
Bromodichloromethane	ND	ug/kg	6.2	1		04/02/16 02:45	75-27-4	
Bromoform	ND	ug/kg	6.2	1		04/02/16 02:45	75-25-2	
Bromomethane	ND	ug/kg	12.3	1		04/02/16 02:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	123	1		04/02/16 02:45	78-93-3	
n-Butylbenzene	ND	ug/kg	6.2	1		04/02/16 02:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.2	1		04/02/16 02:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.2	1		04/02/16 02:45	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.2	1		04/02/16 02:45	56-23-5	
Chlorobenzene	ND	ug/kg	6.2	1		04/02/16 02:45	108-90-7	
Chloroethane	ND	ug/kg	12.3	1		04/02/16 02:45	75-00-3	
Chloroform	ND	ug/kg	6.2	1		04/02/16 02:45	67-66-3	
Chloromethane	ND	ug/kg	12.3	1		04/02/16 02:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.2	1		04/02/16 02:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.2	1		04/02/16 02:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	1		04/02/16 02:45	96-12-8	
Dibromochloromethane	ND	ug/kg	6.2	1		04/02/16 02:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	1		04/02/16 02:45	106-93-4	
Dibromomethane	ND	ug/kg	6.2	1		04/02/16 02:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.2	1		04/02/16 02:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.2	1		04/02/16 02:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.2	1		04/02/16 02:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.3	1		04/02/16 02:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.2	1		04/02/16 02:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.2	1		04/02/16 02:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.2	1		04/02/16 02:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1		04/02/16 02:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.2	1		04/02/16 02:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.2	1		04/02/16 02:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.2	1		04/02/16 02:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.2	1		04/02/16 02:45	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-14 (0-1FT) **Lab ID: 92291493016** Collected: 03/24/16 12:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.2	1		04/02/16 02:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1		04/02/16 02:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1		04/02/16 02:45	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.2	1		04/02/16 02:45	108-20-3	
Ethylbenzene	ND	ug/kg	6.2	1		04/02/16 02:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1		04/02/16 02:45	87-68-3	
2-Hexanone	ND	ug/kg	61.6	1		04/02/16 02:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1		04/02/16 02:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.2	1		04/02/16 02:45	99-87-6	
Methylene Chloride	ND	ug/kg	24.6	1		04/02/16 02:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	61.6	1		04/02/16 02:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.2	1		04/02/16 02:45	1634-04-4	
Naphthalene	ND	ug/kg	6.2	1		04/02/16 02:45	91-20-3	
n-Propylbenzene	ND	ug/kg	6.2	1		04/02/16 02:45	103-65-1	
Styrene	ND	ug/kg	6.2	1		04/02/16 02:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1		04/02/16 02:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1		04/02/16 02:45	79-34-5	
Tetrachloroethene	ND	ug/kg	6.2	1		04/02/16 02:45	127-18-4	
Toluene	ND	ug/kg	6.2	1		04/02/16 02:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1		04/02/16 02:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1		04/02/16 02:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.2	1		04/02/16 02:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.2	1		04/02/16 02:45	79-00-5	
Trichloroethene	ND	ug/kg	6.2	1		04/02/16 02:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.2	1		04/02/16 02:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.2	1		04/02/16 02:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	1		04/02/16 02:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1		04/02/16 02:45	108-67-8	
Vinyl acetate	ND	ug/kg	61.6	1		04/02/16 02:45	108-05-4	
Vinyl chloride	ND	ug/kg	12.3	1		04/02/16 02:45	75-01-4	
Xylene (Total)	ND	ug/kg	12.3	1		04/02/16 02:45	1330-20-7	
m&p-Xylene	ND	ug/kg	12.3	1		04/02/16 02:45	179601-23-1	
o-Xylene	ND	ug/kg	6.2	1		04/02/16 02:45	95-47-6	
Surrogates								
Toluene-d8 (S)	96	%	70-130	1		04/02/16 02:45	2037-26-5	1g
4-Bromofluorobenzene (S)	81	%	70-130	1		04/02/16 02:45	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-132	1		04/02/16 02:45	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**17.8**	%	0.10	1		03/28/16 07:16		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-13 (0-5FT) **Lab ID: 92291493017** Collected: 03/24/16 12:55 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**4.3**	mg/kg	1.2	1	03/28/16 12:25	03/31/16 02:25	7440-38-2	
Barium	**103**	mg/kg	0.58	1	03/28/16 12:25	03/31/16 02:25	7440-39-3	
Cadmium	ND	mg/kg	0.12	1	03/28/16 12:25	03/31/16 02:25	7440-43-9	
Chromium	**15.5**	mg/kg	0.58	1	03/28/16 12:25	03/31/16 02:25	7440-47-3	
Lead	**17.1**	mg/kg	0.58	1	03/28/16 12:25	03/31/16 02:25	7439-92-1	
Selenium	ND	mg/kg	1.2	1	03/28/16 12:25	03/31/16 02:25	7782-49-2	
Silver	ND	mg/kg	0.58	1	03/28/16 12:25	03/31/16 02:25	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.3; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:40	7440-38-2	
Barium	**0.28**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:40	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:40	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:40	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:40	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:40	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:40	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 5.3; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:35	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.046**	mg/kg	0.0035	1	04/05/16 15:20	04/05/16 18:03	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	83-32-9	
Acenaphthylene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	208-96-8	
Aniline	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	62-53-3	
Anthracene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	120-12-7	
Benzo(a)anthracene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	56-55-3	
Benzo(a)pyrene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	207-08-9	
Benzoic Acid	ND	ug/kg	2130	1	03/28/16 15:30	03/31/16 14:00	65-85-0	
Benzyl alcohol	ND	ug/kg	854	1	03/28/16 15:30	03/31/16 14:00	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	101-55-3	
Butylbenzylphthalate	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	854	1	03/28/16 15:30	03/31/16 14:00	59-50-7	
4-Chloroaniline	ND	ug/kg	2130	1	03/28/16 15:30	03/31/16 14:00	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	108-60-1	
2-Chloronaphthalene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	91-58-7	

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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-13 (0-5FT) **Lab ID: 92291493017** Collected: 03/24/16 12:55 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	7005-72-3	
Chrysene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	53-70-3	
Dibenzofuran	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2130	1	03/28/16 15:30	03/31/16 14:00	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	120-83-2	
Diethylphthalate	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	105-67-9	
Dimethylphthalate	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	131-11-3	
Di-n-butylphthalate	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	854	1	03/28/16 15:30	03/31/16 14:00	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2130	1	03/28/16 15:30	03/31/16 14:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	606-20-2	
Di-n-octylphthalate	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	117-81-7	
Fluoranthene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	206-44-0	
Fluorene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	87-68-3	
Hexachlorobenzene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	77-47-4	
Hexachloroethane	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	193-39-5	
Isophorone	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	78-59-1	
1-Methylnaphthalene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	90-12-0	
2-Methylnaphthalene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00		
Naphthalene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	91-20-3	
2-Nitroaniline	ND	ug/kg	2130	1	03/28/16 15:30	03/31/16 14:00	88-74-4	
3-Nitroaniline	ND	ug/kg	2130	1	03/28/16 15:30	03/31/16 14:00	99-09-2	
4-Nitroaniline	ND	ug/kg	854	1	03/28/16 15:30	03/31/16 14:00	100-01-6	
Nitrobenzene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	98-95-3	
2-Nitrophenol	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	88-75-5	
4-Nitrophenol	ND	ug/kg	2130	1	03/28/16 15:30	03/31/16 14:00	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	86-30-6	
Pentachlorophenol	ND	ug/kg	2130	1	03/28/16 15:30	03/31/16 14:00	87-86-5	
Phenanthrene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	85-01-8	
Phenol	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00		
Pyrene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-13 (0-5FT) **Lab ID: 92291493017** Collected: 03/24/16 12:55 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	427	1	03/28/16 15:30	03/31/16 14:00	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	53	%	23-110	1	03/28/16 15:30	03/31/16 14:00	4165-60-0	
2-Fluorobiphenyl (S)	65	%	30-110	1	03/28/16 15:30	03/31/16 14:00	321-60-8	
Terphenyl-d14 (S)	67	%	28-110	1	03/28/16 15:30	03/31/16 14:00	1718-51-0	
Phenol-d6 (S)	45	%	22-110	1	03/28/16 15:30	03/31/16 14:00	13127-88-3	
2-Fluorophenol (S)	41	%	13-110	1	03/28/16 15:30	03/31/16 14:00	367-12-4	
2,4,6-Tribromophenol (S)	44	%	27-110	1	03/28/16 15:30	03/31/16 14:00	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	137	1		04/02/16 03:04	67-64-1	
Benzene	ND	ug/kg	6.9	1		04/02/16 03:04	71-43-2	
Bromobenzene	ND	ug/kg	6.9	1		04/02/16 03:04	108-86-1	
Bromochloromethane	ND	ug/kg	6.9	1		04/02/16 03:04	74-97-5	
Bromodichloromethane	ND	ug/kg	6.9	1		04/02/16 03:04	75-27-4	
Bromoform	ND	ug/kg	6.9	1		04/02/16 03:04	75-25-2	M1
Bromomethane	ND	ug/kg	13.7	1		04/02/16 03:04	74-83-9	
2-Butanone (MEK)	ND	ug/kg	137	1		04/02/16 03:04	78-93-3	
n-Butylbenzene	ND	ug/kg	6.9	1		04/02/16 03:04	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.9	1		04/02/16 03:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.9	1		04/02/16 03:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.9	1		04/02/16 03:04	56-23-5	
Chlorobenzene	ND	ug/kg	6.9	1		04/02/16 03:04	108-90-7	
Chloroethane	ND	ug/kg	13.7	1		04/02/16 03:04	75-00-3	
Chloroform	ND	ug/kg	6.9	1		04/02/16 03:04	67-66-3	
Chloromethane	ND	ug/kg	13.7	1		04/02/16 03:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.9	1		04/02/16 03:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.9	1		04/02/16 03:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.9	1		04/02/16 03:04	96-12-8	M1
Dibromochloromethane	ND	ug/kg	6.9	1		04/02/16 03:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.9	1		04/02/16 03:04	106-93-4	
Dibromomethane	ND	ug/kg	6.9	1		04/02/16 03:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.9	1		04/02/16 03:04	95-50-1	M1
1,3-Dichlorobenzene	ND	ug/kg	6.9	1		04/02/16 03:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.9	1		04/02/16 03:04	106-46-7	M1
Dichlorodifluoromethane	ND	ug/kg	13.7	1		04/02/16 03:04	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.9	1		04/02/16 03:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.9	1		04/02/16 03:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.9	1		04/02/16 03:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.9	1		04/02/16 03:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.9	1		04/02/16 03:04	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.9	1		04/02/16 03:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.9	1		04/02/16 03:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.9	1		04/02/16 03:04	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-13 (0-5FT) **Lab ID: 92291493017** Collected: 03/24/16 12:55 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.9	1		04/02/16 03:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.9	1		04/02/16 03:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.9	1		04/02/16 03:04	10061-02-6	M1
Diisopropyl ether	ND	ug/kg	6.9	1		04/02/16 03:04	108-20-3	
Ethylbenzene	ND	ug/kg	6.9	1		04/02/16 03:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.9	1		04/02/16 03:04	87-68-3	
2-Hexanone	ND	ug/kg	68.7	1		04/02/16 03:04	591-78-6	M1
Isopropylbenzene (Cumene)	ND	ug/kg	6.9	1		04/02/16 03:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.9	1		04/02/16 03:04	99-87-6	
Methylene Chloride	ND	ug/kg	27.5	1		04/02/16 03:04	75-09-2	M1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	68.7	1		04/02/16 03:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.9	1		04/02/16 03:04	1634-04-4	
Naphthalene	ND	ug/kg	6.9	1		04/02/16 03:04	91-20-3	M1
n-Propylbenzene	ND	ug/kg	6.9	1		04/02/16 03:04	103-65-1	
Styrene	ND	ug/kg	6.9	1		04/02/16 03:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.9	1		04/02/16 03:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.9	1		04/02/16 03:04	79-34-5	
Tetrachloroethene	ND	ug/kg	6.9	1		04/02/16 03:04	127-18-4	
Toluene	ND	ug/kg	6.9	1		04/02/16 03:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.9	1		04/02/16 03:04	87-61-6	M1
1,2,4-Trichlorobenzene	ND	ug/kg	6.9	1		04/02/16 03:04	120-82-1	M1
1,1,1-Trichloroethane	ND	ug/kg	6.9	1		04/02/16 03:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.9	1		04/02/16 03:04	79-00-5	
Trichloroethene	ND	ug/kg	6.9	1		04/02/16 03:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.9	1		04/02/16 03:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.9	1		04/02/16 03:04	96-18-4	M1
1,2,4-Trimethylbenzene	ND	ug/kg	6.9	1		04/02/16 03:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.9	1		04/02/16 03:04	108-67-8	
Vinyl acetate	ND	ug/kg	68.7	1		04/02/16 03:04	108-05-4	M1
Vinyl chloride	ND	ug/kg	13.7	1		04/02/16 03:04	75-01-4	
Xylene (Total)	ND	ug/kg	13.7	1		04/02/16 03:04	1330-20-7	
m&p-Xylene	ND	ug/kg	13.7	1		04/02/16 03:04	179601-23-1	
o-Xylene	ND	ug/kg	6.9	1		04/02/16 03:04	95-47-6	
Surrogates								
Toluene-d8 (S)	101	%	70-130	1		04/02/16 03:04	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		04/02/16 03:04	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-132	1		04/02/16 03:04	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**22.7**	%	0.10	1		03/28/16 07:17		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: DUP-2 **Lab ID: 92291493018** Collected: 03/24/16 00:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**0.99**	mg/kg	0.87	1	03/28/16 12:25	03/31/16 02:28	7440-38-2	
Barium	**42.4**	mg/kg	0.43	1	03/28/16 12:25	03/31/16 02:28	7440-39-3	
Cadmium	ND	mg/kg	0.087	1	03/28/16 12:25	03/31/16 02:28	7440-43-9	
Chromium	**14.4**	mg/kg	0.43	1	03/28/16 12:25	03/31/16 02:28	7440-47-3	
Lead	**10.9**	mg/kg	0.43	1	03/28/16 12:25	03/31/16 02:28	7439-92-1	
Selenium	**1.6**	mg/kg	0.87	1	03/28/16 12:25	03/31/16 02:28	7782-49-2	
Silver	ND	mg/kg	0.43	1	03/28/16 12:25	03/31/16 02:28	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.9; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:44	7440-38-2	
Barium	**0.26**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:44	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:44	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:44	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:44	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:44	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:44	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.9; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:37	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.086**	mg/kg	0.0041	1	04/05/16 15:20	04/05/16 18:06	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	83-32-9	
Acenaphthylene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	208-96-8	
Aniline	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	62-53-3	
Anthracene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	120-12-7	
Benzo(a)anthracene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	207-08-9	
Benzoic Acid	ND	ug/kg	2230	1	03/28/16 15:30	03/31/16 14:27	65-85-0	
Benzyl alcohol	ND	ug/kg	891	1	03/28/16 15:30	03/31/16 14:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	891	1	03/28/16 15:30	03/31/16 14:27	59-50-7	
4-Chloroaniline	ND	ug/kg	2230	1	03/28/16 15:30	03/31/16 14:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	91-58-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: DUP-2 **Lab ID: 92291493018** Collected: 03/24/16 00:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	7005-72-3	
Chrysene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	53-70-3	
Dibenzofuran	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2230	1	03/28/16 15:30	03/31/16 14:27	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	120-83-2	
Diethylphthalate	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	105-67-9	
Dimethylphthalate	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	891	1	03/28/16 15:30	03/31/16 14:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2230	1	03/28/16 15:30	03/31/16 14:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	117-81-7	
Fluoranthene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	206-44-0	
Fluorene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	87-68-3	
Hexachlorobenzene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	77-47-4	
Hexachloroethane	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	193-39-5	
Isophorone	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	78-59-1	
1-Methylnaphthalene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	90-12-0	
2-Methylnaphthalene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27		
Naphthalene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	91-20-3	
2-Nitroaniline	ND	ug/kg	2230	1	03/28/16 15:30	03/31/16 14:27	88-74-4	
3-Nitroaniline	ND	ug/kg	2230	1	03/28/16 15:30	03/31/16 14:27	99-09-2	
4-Nitroaniline	ND	ug/kg	891	1	03/28/16 15:30	03/31/16 14:27	100-01-6	
Nitrobenzene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	98-95-3	
2-Nitrophenol	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	88-75-5	
4-Nitrophenol	ND	ug/kg	2230	1	03/28/16 15:30	03/31/16 14:27	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	86-30-6	
Pentachlorophenol	ND	ug/kg	2230	1	03/28/16 15:30	03/31/16 14:27	87-86-5	
Phenanthrene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	85-01-8	
Phenol	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27		
Pyrene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: DUP-2 **Lab ID: 92291493018** Collected: 03/24/16 00:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	446	1	03/28/16 15:30	03/31/16 14:27	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	42	%	23-110	1	03/28/16 15:30	03/31/16 14:27	4165-60-0	
2-Fluorobiphenyl (S)	56	%	30-110	1	03/28/16 15:30	03/31/16 14:27	321-60-8	
Terphenyl-d14 (S)	76	%	28-110	1	03/28/16 15:30	03/31/16 14:27	1718-51-0	
Phenol-d6 (S)	50	%	22-110	1	03/28/16 15:30	03/31/16 14:27	13127-88-3	
2-Fluorophenol (S)	53	%	13-110	1	03/28/16 15:30	03/31/16 14:27	367-12-4	
2,4,6-Tribromophenol (S)	76	%	27-110	1	03/28/16 15:30	03/31/16 14:27	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	135	1		04/02/16 03:24	67-64-1	
Benzene	ND	ug/kg	6.8	1		04/02/16 03:24	71-43-2	
Bromobenzene	ND	ug/kg	6.8	1		04/02/16 03:24	108-86-1	
Bromochloromethane	ND	ug/kg	6.8	1		04/02/16 03:24	74-97-5	
Bromodichloromethane	ND	ug/kg	6.8	1		04/02/16 03:24	75-27-4	
Bromoform	ND	ug/kg	6.8	1		04/02/16 03:24	75-25-2	
Bromomethane	ND	ug/kg	13.5	1		04/02/16 03:24	74-83-9	
2-Butanone (MEK)	ND	ug/kg	135	1		04/02/16 03:24	78-93-3	
n-Butylbenzene	ND	ug/kg	6.8	1		04/02/16 03:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.8	1		04/02/16 03:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.8	1		04/02/16 03:24	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.8	1		04/02/16 03:24	56-23-5	
Chlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:24	108-90-7	
Chloroethane	ND	ug/kg	13.5	1		04/02/16 03:24	75-00-3	
Chloroform	ND	ug/kg	6.8	1		04/02/16 03:24	67-66-3	
Chloromethane	ND	ug/kg	13.5	1		04/02/16 03:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.8	1		04/02/16 03:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.8	1		04/02/16 03:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.8	1		04/02/16 03:24	96-12-8	
Dibromochloromethane	ND	ug/kg	6.8	1		04/02/16 03:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.8	1		04/02/16 03:24	106-93-4	
Dibromomethane	ND	ug/kg	6.8	1		04/02/16 03:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:24	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.5	1		04/02/16 03:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.8	1		04/02/16 03:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.8	1		04/02/16 03:24	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.8	1		04/02/16 03:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.8	1		04/02/16 03:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.8	1		04/02/16 03:24	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.8	1		04/02/16 03:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.8	1		04/02/16 03:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.8	1		04/02/16 03:24	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: DUP-2 **Lab ID: 92291493018** Collected: 03/24/16 00:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.8	1		04/02/16 03:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.8	1		04/02/16 03:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.8	1		04/02/16 03:24	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.8	1		04/02/16 03:24	108-20-3	
Ethylbenzene	ND	ug/kg	6.8	1		04/02/16 03:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.8	1		04/02/16 03:24	87-68-3	
2-Hexanone	ND	ug/kg	67.5	1		04/02/16 03:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.8	1		04/02/16 03:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.8	1		04/02/16 03:24	99-87-6	
Methylene Chloride	ND	ug/kg	27.0	1		04/02/16 03:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	67.5	1		04/02/16 03:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.8	1		04/02/16 03:24	1634-04-4	
Naphthalene	ND	ug/kg	6.8	1		04/02/16 03:24	91-20-3	
n-Propylbenzene	ND	ug/kg	6.8	1		04/02/16 03:24	103-65-1	
Styrene	ND	ug/kg	6.8	1		04/02/16 03:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.8	1		04/02/16 03:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.8	1		04/02/16 03:24	79-34-5	
Tetrachloroethene	ND	ug/kg	6.8	1		04/02/16 03:24	127-18-4	
Toluene	ND	ug/kg	6.8	1		04/02/16 03:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.8	1		04/02/16 03:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.8	1		04/02/16 03:24	79-00-5	
Trichloroethene	ND	ug/kg	6.8	1		04/02/16 03:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.8	1		04/02/16 03:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.8	1		04/02/16 03:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.8	1		04/02/16 03:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.8	1		04/02/16 03:24	108-67-8	
Vinyl acetate	ND	ug/kg	67.5	1		04/02/16 03:24	108-05-4	
Vinyl chloride	ND	ug/kg	13.5	1		04/02/16 03:24	75-01-4	
Xylene (Total)	ND	ug/kg	13.5	1		04/02/16 03:24	1330-20-7	
m&p-Xylene	ND	ug/kg	13.5	1		04/02/16 03:24	179601-23-1	
o-Xylene	ND	ug/kg	6.8	1		04/02/16 03:24	95-47-6	
Surrogates								
Toluene-d8 (S)	101	%	70-130	1		04/02/16 03:24	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130	1		04/02/16 03:24	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-132	1		04/02/16 03:24	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**26.0**	%	0.10	1		03/28/16 07:17		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-5 (0-5FT) **Lab ID: 92291493019** Collected: 03/24/16 09:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	1.1	1	03/28/16 12:25	03/31/16 02:31	7440-38-2	
Barium	**57.4**	mg/kg	0.55	1	03/28/16 12:25	03/31/16 02:31	7440-39-3	
Cadmium	ND	mg/kg	0.11	1	03/28/16 12:25	03/31/16 02:31	7440-43-9	
Chromium	**7.9**	mg/kg	0.55	1	03/28/16 12:25	03/31/16 02:31	7440-47-3	
Lead	**10.7**	mg/kg	0.55	1	03/28/16 12:25	03/31/16 02:31	7439-92-1	
Selenium	**1.2**	mg/kg	1.1	1	03/28/16 12:25	03/31/16 02:31	7782-49-2	
Silver	ND	mg/kg	0.55	1	03/28/16 12:25	03/31/16 02:31	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.8; Final pH: 4.9							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 21:47	7440-38-2	
Barium	**0.32**	mg/L	0.25	1	04/07/16 03:45	04/07/16 21:47	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 21:47	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:47	7440-47-3	
Lead	**0.026**	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:47	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 21:47	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 21:47	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.8; Final pH: 4.9							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:40	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.044**	mg/kg	0.0039	1	04/05/16 15:20	04/05/16 18:08	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	83-32-9	
Acenaphthylene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	208-96-8	
Aniline	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	62-53-3	
Anthracene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	120-12-7	
Benzo(a)anthracene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	56-55-3	
Benzo(a)pyrene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	207-08-9	
Benzoic Acid	ND	ug/kg	2180	1	03/28/16 15:30	03/31/16 14:54	65-85-0	
Benzyl alcohol	ND	ug/kg	871	1	03/28/16 15:30	03/31/16 14:54	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	101-55-3	
Butylbenzylphthalate	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	871	1	03/28/16 15:30	03/31/16 14:54	59-50-7	
4-Chloroaniline	ND	ug/kg	2180	1	03/28/16 15:30	03/31/16 14:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	108-60-1	
2-Chloronaphthalene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	91-58-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-5 (0-5FT) **Lab ID: 92291493019** Collected: 03/24/16 09:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	7005-72-3	
Chrysene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	53-70-3	
Dibenzofuran	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2180	1	03/28/16 15:30	03/31/16 14:54	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	120-83-2	
Diethylphthalate	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	105-67-9	
Dimethylphthalate	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	131-11-3	
Di-n-butylphthalate	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	871	1	03/28/16 15:30	03/31/16 14:54	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2180	1	03/28/16 15:30	03/31/16 14:54	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	606-20-2	
Di-n-octylphthalate	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	117-81-7	
Fluoranthene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	206-44-0	
Fluorene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	87-68-3	
Hexachlorobenzene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	77-47-4	
Hexachloroethane	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	193-39-5	
Isophorone	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	78-59-1	
1-Methylnaphthalene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	90-12-0	
2-Methylnaphthalene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54		
Naphthalene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	91-20-3	
2-Nitroaniline	ND	ug/kg	2180	1	03/28/16 15:30	03/31/16 14:54	88-74-4	
3-Nitroaniline	ND	ug/kg	2180	1	03/28/16 15:30	03/31/16 14:54	99-09-2	
4-Nitroaniline	ND	ug/kg	871	1	03/28/16 15:30	03/31/16 14:54	100-01-6	
Nitrobenzene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	98-95-3	
2-Nitrophenol	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	88-75-5	
4-Nitrophenol	ND	ug/kg	2180	1	03/28/16 15:30	03/31/16 14:54	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	86-30-6	
Pentachlorophenol	ND	ug/kg	2180	1	03/28/16 15:30	03/31/16 14:54	87-86-5	
Phenanthrene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	85-01-8	
Phenol	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54		
Pyrene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-5 (0-5FT) **Lab ID: 92291493019** Collected: 03/24/16 09:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	436	1	03/28/16 15:30	03/31/16 14:54	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	53	%	23-110	1	03/28/16 15:30	03/31/16 14:54	4165-60-0	
2-Fluorobiphenyl (S)	71	%	30-110	1	03/28/16 15:30	03/31/16 14:54	321-60-8	
Terphenyl-d14 (S)	76	%	28-110	1	03/28/16 15:30	03/31/16 14:54	1718-51-0	
Phenol-d6 (S)	61	%	22-110	1	03/28/16 15:30	03/31/16 14:54	13127-88-3	
2-Fluorophenol (S)	64	%	13-110	1	03/28/16 15:30	03/31/16 14:54	367-12-4	
2,4,6-Tribromophenol (S)	77	%	27-110	1	03/28/16 15:30	03/31/16 14:54	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	136	1		04/02/16 03:44	67-64-1	
Benzene	ND	ug/kg	6.8	1		04/02/16 03:44	71-43-2	
Bromobenzene	ND	ug/kg	6.8	1		04/02/16 03:44	108-86-1	
Bromochloromethane	ND	ug/kg	6.8	1		04/02/16 03:44	74-97-5	
Bromodichloromethane	ND	ug/kg	6.8	1		04/02/16 03:44	75-27-4	
Bromoform	ND	ug/kg	6.8	1		04/02/16 03:44	75-25-2	
Bromomethane	ND	ug/kg	13.6	1		04/02/16 03:44	74-83-9	
2-Butanone (MEK)	ND	ug/kg	136	1		04/02/16 03:44	78-93-3	
n-Butylbenzene	ND	ug/kg	6.8	1		04/02/16 03:44	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.8	1		04/02/16 03:44	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.8	1		04/02/16 03:44	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.8	1		04/02/16 03:44	56-23-5	
Chlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:44	108-90-7	
Chloroethane	ND	ug/kg	13.6	1		04/02/16 03:44	75-00-3	
Chloroform	ND	ug/kg	6.8	1		04/02/16 03:44	67-66-3	
Chloromethane	ND	ug/kg	13.6	1		04/02/16 03:44	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.8	1		04/02/16 03:44	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.8	1		04/02/16 03:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.8	1		04/02/16 03:44	96-12-8	
Dibromochloromethane	ND	ug/kg	6.8	1		04/02/16 03:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.8	1		04/02/16 03:44	106-93-4	
Dibromomethane	ND	ug/kg	6.8	1		04/02/16 03:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:44	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.6	1		04/02/16 03:44	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.8	1		04/02/16 03:44	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.8	1		04/02/16 03:44	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.8	1		04/02/16 03:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.8	1		04/02/16 03:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.8	1		04/02/16 03:44	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.8	1		04/02/16 03:44	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.8	1		04/02/16 03:44	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.8	1		04/02/16 03:44	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-5 (0-5FT) **Lab ID: 92291493019** Collected: 03/24/16 09:00 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.8	1		04/02/16 03:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.8	1		04/02/16 03:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.8	1		04/02/16 03:44	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.8	1		04/02/16 03:44	108-20-3	
Ethylbenzene	ND	ug/kg	6.8	1		04/02/16 03:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.8	1		04/02/16 03:44	87-68-3	
2-Hexanone	ND	ug/kg	68.2	1		04/02/16 03:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.8	1		04/02/16 03:44	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.8	1		04/02/16 03:44	99-87-6	
Methylene Chloride	ND	ug/kg	27.3	1		04/02/16 03:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	68.2	1		04/02/16 03:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.8	1		04/02/16 03:44	1634-04-4	
Naphthalene	ND	ug/kg	6.8	1		04/02/16 03:44	91-20-3	
n-Propylbenzene	ND	ug/kg	6.8	1		04/02/16 03:44	103-65-1	
Styrene	ND	ug/kg	6.8	1		04/02/16 03:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.8	1		04/02/16 03:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.8	1		04/02/16 03:44	79-34-5	
Tetrachloroethene	ND	ug/kg	6.8	1		04/02/16 03:44	127-18-4	
Toluene	ND	ug/kg	6.8	1		04/02/16 03:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.8	1		04/02/16 03:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.8	1		04/02/16 03:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.8	1		04/02/16 03:44	79-00-5	
Trichloroethene	ND	ug/kg	6.8	1		04/02/16 03:44	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.8	1		04/02/16 03:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.8	1		04/02/16 03:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.8	1		04/02/16 03:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.8	1		04/02/16 03:44	108-67-8	
Vinyl acetate	ND	ug/kg	68.2	1		04/02/16 03:44	108-05-4	
Vinyl chloride	ND	ug/kg	13.6	1		04/02/16 03:44	75-01-4	
Xylene (Total)	ND	ug/kg	13.6	1		04/02/16 03:44	1330-20-7	
m&p-Xylene	ND	ug/kg	13.6	1		04/02/16 03:44	179601-23-1	
o-Xylene	ND	ug/kg	6.8	1		04/02/16 03:44	95-47-6	
Surrogates								
Toluene-d8 (S)	104	%	70-130	1		04/02/16 03:44	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130	1		04/02/16 03:44	460-00-4	
1,2-Dichloroethane-d4 (S)	153	%	70-132	1		04/02/16 03:44	17060-07-0	S3
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**24.3**	%	0.10	1		03/28/16 07:17		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-3 (5-10FT) **Lab ID: 92291493020** Collected: 03/24/16 09:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	1.3	1	03/28/16 12:25	03/31/16 02:34	7440-38-2	
Barium	**175**	mg/kg	0.67	1	03/28/16 12:25	03/31/16 02:34	7440-39-3	
Cadmium	ND	mg/kg	0.13	1	03/28/16 12:25	03/31/16 02:34	7440-43-9	
Chromium	**65.5**	mg/kg	0.67	1	03/28/16 12:25	03/31/16 02:34	7440-47-3	
Lead	**12.1**	mg/kg	0.67	1	03/28/16 12:25	03/31/16 02:34	7439-92-1	
Selenium	ND	mg/kg	1.3	1	03/28/16 12:25	03/31/16 02:34	7782-49-2	
Silver	ND	mg/kg	0.67	1	03/28/16 12:25	03/31/16 02:34	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.4; Final pH: 4.6							
Arsenic	ND	mg/L	0.050	1	04/07/16 03:45	04/07/16 22:00	7440-38-2	
Barium	**0.34**	mg/L	0.25	1	04/07/16 03:45	04/07/16 22:00	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/07/16 03:45	04/07/16 22:00	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 22:00	7440-47-3	
Lead	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 22:00	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/07/16 03:45	04/07/16 22:00	7782-49-2	
Silver	ND	mg/L	0.025	1	04/07/16 03:45	04/07/16 22:00	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/06/16 00:12 Initial pH: 4.4; Final pH: 4.6							
Mercury	ND	mg/L	0.00020	1	04/08/16 01:15	04/09/16 17:42	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.027**	mg/kg	0.0037	1	04/05/16 15:20	04/05/16 18:15	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	83-32-9	
Acenaphthylene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	208-96-8	
Aniline	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	62-53-3	
Anthracene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	120-12-7	
Benzo(a)anthracene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	56-55-3	
Benzo(a)pyrene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	207-08-9	
Benzoic Acid	ND	ug/kg	2370	1	03/28/16 15:30	03/31/16 15:20	65-85-0	
Benzyl alcohol	ND	ug/kg	949	1	03/28/16 15:30	03/31/16 15:20	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	101-55-3	
Butylbenzylphthalate	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	949	1	03/28/16 15:30	03/31/16 15:20	59-50-7	
4-Chloroaniline	ND	ug/kg	2370	1	03/28/16 15:30	03/31/16 15:20	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	108-60-1	
2-Chloronaphthalene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	91-58-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-3 (5-10FT) **Lab ID: 92291493020** Collected: 03/24/16 09:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	7005-72-3	
Chrysene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	53-70-3	
Dibenzofuran	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2370	1	03/28/16 15:30	03/31/16 15:20	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	120-83-2	
Diethylphthalate	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	105-67-9	
Dimethylphthalate	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	131-11-3	
Di-n-butylphthalate	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	949	1	03/28/16 15:30	03/31/16 15:20	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2370	1	03/28/16 15:30	03/31/16 15:20	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	606-20-2	
Di-n-octylphthalate	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	117-81-7	
Fluoranthene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	206-44-0	
Fluorene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	87-68-3	
Hexachlorobenzene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	77-47-4	
Hexachloroethane	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	193-39-5	
Isophorone	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	78-59-1	
1-Methylnaphthalene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	90-12-0	
2-Methylnaphthalene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20		
Naphthalene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	91-20-3	
2-Nitroaniline	ND	ug/kg	2370	1	03/28/16 15:30	03/31/16 15:20	88-74-4	
3-Nitroaniline	ND	ug/kg	2370	1	03/28/16 15:30	03/31/16 15:20	99-09-2	
4-Nitroaniline	ND	ug/kg	949	1	03/28/16 15:30	03/31/16 15:20	100-01-6	
Nitrobenzene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	98-95-3	
2-Nitrophenol	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	88-75-5	
4-Nitrophenol	ND	ug/kg	2370	1	03/28/16 15:30	03/31/16 15:20	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	86-30-6	
Pentachlorophenol	ND	ug/kg	2370	1	03/28/16 15:30	03/31/16 15:20	87-86-5	
Phenanthrene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	85-01-8	
Phenol	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20		
Pyrene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-3 (5-10FT) **Lab ID: 92291493020** Collected: 03/24/16 09:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	474	1	03/28/16 15:30	03/31/16 15:20	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	43	%	23-110	1	03/28/16 15:30	03/31/16 15:20	4165-60-0	
2-Fluorobiphenyl (S)	58	%	30-110	1	03/28/16 15:30	03/31/16 15:20	321-60-8	
Terphenyl-d14 (S)	73	%	28-110	1	03/28/16 15:30	03/31/16 15:20	1718-51-0	
Phenol-d6 (S)	37	%	22-110	1	03/28/16 15:30	03/31/16 15:20	13127-88-3	
2-Fluorophenol (S)	38	%	13-110	1	03/28/16 15:30	03/31/16 15:20	367-12-4	
2,4,6-Tribromophenol (S)	55	%	27-110	1	03/28/16 15:30	03/31/16 15:20	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	128	1		04/02/16 04:04	67-64-1	
Benzene	ND	ug/kg	6.4	1		04/02/16 04:04	71-43-2	
Bromobenzene	ND	ug/kg	6.4	1		04/02/16 04:04	108-86-1	
Bromochloromethane	ND	ug/kg	6.4	1		04/02/16 04:04	74-97-5	
Bromodichloromethane	ND	ug/kg	6.4	1		04/02/16 04:04	75-27-4	
Bromoform	ND	ug/kg	6.4	1		04/02/16 04:04	75-25-2	
Bromomethane	ND	ug/kg	12.8	1		04/02/16 04:04	74-83-9	
2-Butanone (MEK)	ND	ug/kg	128	1		04/02/16 04:04	78-93-3	
n-Butylbenzene	ND	ug/kg	6.4	1		04/02/16 04:04	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.4	1		04/02/16 04:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.4	1		04/02/16 04:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.4	1		04/02/16 04:04	56-23-5	
Chlorobenzene	ND	ug/kg	6.4	1		04/02/16 04:04	108-90-7	
Chloroethane	ND	ug/kg	12.8	1		04/02/16 04:04	75-00-3	
Chloroform	ND	ug/kg	6.4	1		04/02/16 04:04	67-66-3	
Chloromethane	ND	ug/kg	12.8	1		04/02/16 04:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.4	1		04/02/16 04:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.4	1		04/02/16 04:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.4	1		04/02/16 04:04	96-12-8	
Dibromochloromethane	ND	ug/kg	6.4	1		04/02/16 04:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.4	1		04/02/16 04:04	106-93-4	
Dibromomethane	ND	ug/kg	6.4	1		04/02/16 04:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.4	1		04/02/16 04:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.4	1		04/02/16 04:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.4	1		04/02/16 04:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.8	1		04/02/16 04:04	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.4	1		04/02/16 04:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.4	1		04/02/16 04:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.4	1		04/02/16 04:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.4	1		04/02/16 04:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.4	1		04/02/16 04:04	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.4	1		04/02/16 04:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.4	1		04/02/16 04:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.4	1		04/02/16 04:04	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-3 (5-10FT) **Lab ID: 92291493020** Collected: 03/24/16 09:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.4	1		04/02/16 04:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.4	1		04/02/16 04:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.4	1		04/02/16 04:04	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.4	1		04/02/16 04:04	108-20-3	
Ethylbenzene	ND	ug/kg	6.4	1		04/02/16 04:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.4	1		04/02/16 04:04	87-68-3	
2-Hexanone	ND	ug/kg	63.8	1		04/02/16 04:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.4	1		04/02/16 04:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.4	1		04/02/16 04:04	99-87-6	
Methylene Chloride	ND	ug/kg	25.5	1		04/02/16 04:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	63.8	1		04/02/16 04:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.4	1		04/02/16 04:04	1634-04-4	
Naphthalene	ND	ug/kg	6.4	1		04/02/16 04:04	91-20-3	
n-Propylbenzene	ND	ug/kg	6.4	1		04/02/16 04:04	103-65-1	
Styrene	ND	ug/kg	6.4	1		04/02/16 04:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.4	1		04/02/16 04:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.4	1		04/02/16 04:04	79-34-5	
Tetrachloroethene	ND	ug/kg	6.4	1		04/02/16 04:04	127-18-4	
Toluene	ND	ug/kg	6.4	1		04/02/16 04:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.4	1		04/02/16 04:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.4	1		04/02/16 04:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.4	1		04/02/16 04:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.4	1		04/02/16 04:04	79-00-5	
Trichloroethene	ND	ug/kg	6.4	1		04/02/16 04:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.4	1		04/02/16 04:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.4	1		04/02/16 04:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.4	1		04/02/16 04:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.4	1		04/02/16 04:04	108-67-8	
Vinyl acetate	ND	ug/kg	63.8	1		04/02/16 04:04	108-05-4	
Vinyl chloride	ND	ug/kg	12.8	1		04/02/16 04:04	75-01-4	
Xylene (Total)	ND	ug/kg	12.8	1		04/02/16 04:04	1330-20-7	
m&p-Xylene	ND	ug/kg	12.8	1		04/02/16 04:04	179601-23-1	
o-Xylene	ND	ug/kg	6.4	1		04/02/16 04:04	95-47-6	
Surrogates								
Toluene-d8 (S)	102	%	70-130	1		04/02/16 04:04	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130	1		04/02/16 04:04	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-132	1		04/02/16 04:04	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**30.4**	%	0.10	1		03/28/16 07:17		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-3 (0-5FT) **Lab ID: 92291493021** Collected: 03/24/16 09:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.1**	mg/kg	0.97	1	03/28/16 12:25	03/31/16 02:37	7440-38-2	
Barium	**45.3**	mg/kg	0.49	1	03/28/16 12:25	03/31/16 02:37	7440-39-3	
Cadmium	ND	mg/kg	0.097	1	03/28/16 12:25	03/31/16 02:37	7440-43-9	
Chromium	**68.3**	mg/kg	0.49	1	03/28/16 12:25	03/31/16 02:37	7440-47-3	
Lead	**18.2**	mg/kg	0.49	1	03/28/16 12:25	03/31/16 02:37	7439-92-1	
Selenium	**1.5**	mg/kg	0.97	1	03/28/16 12:25	03/31/16 02:37	7782-49-2	
Silver	ND	mg/kg	0.49	1	03/28/16 12:25	03/31/16 02:37	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/07/16 02:00 Initial pH: 4.9; Final pH: 5.1							
Arsenic	ND	mg/L	0.050	1	04/08/16 05:30	04/08/16 11:47	7440-38-2	
Barium	ND	mg/L	0.25	1	04/08/16 05:30	04/08/16 11:47	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/08/16 05:30	04/08/16 11:47	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/08/16 05:30	04/08/16 11:47	7440-47-3	
Lead	ND	mg/L	0.025	1	04/08/16 05:30	04/08/16 11:47	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/08/16 05:30	04/08/16 11:47	7782-49-2	
Silver	ND	mg/L	0.025	1	04/08/16 05:30	04/08/16 11:47	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/07/16 02:00 Initial pH: 4.9; Final pH: 5.1							
Mercury	ND	mg/L	0.00020	1	04/08/16 15:05	04/08/16 19:22	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.028**	mg/kg	0.0032	1	04/05/16 15:20	04/05/16 18:18	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	83-32-9	
Acenaphthylene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	208-96-8	
Aniline	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	62-53-3	
Anthracene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	120-12-7	
Benzo(a)anthracene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	207-08-9	
Benzoic Acid	ND	ug/kg	2280	1	03/28/16 15:30	03/31/16 15:47	65-85-0	
Benzyl alcohol	ND	ug/kg	910	1	03/28/16 15:30	03/31/16 15:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	910	1	03/28/16 15:30	03/31/16 15:47	59-50-7	
4-Chloroaniline	ND	ug/kg	2280	1	03/28/16 15:30	03/31/16 15:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	108-60-1	
2-Chloronaphthalene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	91-58-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-3 (0-5FT) **Lab ID: 92291493021** Collected: 03/24/16 09:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	7005-72-3	
Chrysene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	53-70-3	
Dibenzofuran	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2280	1	03/28/16 15:30	03/31/16 15:47	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	120-83-2	
Diethylphthalate	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	105-67-9	
Dimethylphthalate	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	131-11-3	
Di-n-butylphthalate	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	910	1	03/28/16 15:30	03/31/16 15:47	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2280	1	03/28/16 15:30	03/31/16 15:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	117-81-7	
Fluoranthene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	206-44-0	
Fluorene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	87-68-3	
Hexachlorobenzene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	77-47-4	
Hexachloroethane	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	193-39-5	
Isophorone	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	78-59-1	
1-Methylnaphthalene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	90-12-0	
2-Methylnaphthalene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47		
Naphthalene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	91-20-3	
2-Nitroaniline	ND	ug/kg	2280	1	03/28/16 15:30	03/31/16 15:47	88-74-4	
3-Nitroaniline	ND	ug/kg	2280	1	03/28/16 15:30	03/31/16 15:47	99-09-2	
4-Nitroaniline	ND	ug/kg	910	1	03/28/16 15:30	03/31/16 15:47	100-01-6	
Nitrobenzene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	98-95-3	
2-Nitrophenol	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	88-75-5	
4-Nitrophenol	ND	ug/kg	2280	1	03/28/16 15:30	03/31/16 15:47	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	86-30-6	
Pentachlorophenol	ND	ug/kg	2280	1	03/28/16 15:30	03/31/16 15:47	87-86-5	
Phenanthrene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	85-01-8	
Phenol	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47		
Pyrene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	129-00-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-3 (0-5FT) **Lab ID: 92291493021** Collected: 03/24/16 09:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	455	1	03/28/16 15:30	03/31/16 15:47	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	52	%	23-110	1	03/28/16 15:30	03/31/16 15:47	4165-60-0	
2-Fluorobiphenyl (S)	71	%	30-110	1	03/28/16 15:30	03/31/16 15:47	321-60-8	
Terphenyl-d14 (S)	78	%	28-110	1	03/28/16 15:30	03/31/16 15:47	1718-51-0	
Phenol-d6 (S)	51	%	22-110	1	03/28/16 15:30	03/31/16 15:47	13127-88-3	
2-Fluorophenol (S)	51	%	13-110	1	03/28/16 15:30	03/31/16 15:47	367-12-4	
2,4,6-Tribromophenol (S)	67	%	27-110	1	03/28/16 15:30	03/31/16 15:47	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	132	1		04/02/16 04:24	67-64-1	
Benzene	ND	ug/kg	6.6	1		04/02/16 04:24	71-43-2	
Bromobenzene	ND	ug/kg	6.6	1		04/02/16 04:24	108-86-1	
Bromochloromethane	ND	ug/kg	6.6	1		04/02/16 04:24	74-97-5	
Bromodichloromethane	ND	ug/kg	6.6	1		04/02/16 04:24	75-27-4	
Bromoform	ND	ug/kg	6.6	1		04/02/16 04:24	75-25-2	
Bromomethane	ND	ug/kg	13.2	1		04/02/16 04:24	74-83-9	
2-Butanone (MEK)	ND	ug/kg	132	1		04/02/16 04:24	78-93-3	
n-Butylbenzene	ND	ug/kg	6.6	1		04/02/16 04:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.6	1		04/02/16 04:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.6	1		04/02/16 04:24	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.6	1		04/02/16 04:24	56-23-5	
Chlorobenzene	ND	ug/kg	6.6	1		04/02/16 04:24	108-90-7	
Chloroethane	ND	ug/kg	13.2	1		04/02/16 04:24	75-00-3	
Chloroform	ND	ug/kg	6.6	1		04/02/16 04:24	67-66-3	
Chloromethane	ND	ug/kg	13.2	1		04/02/16 04:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.6	1		04/02/16 04:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.6	1		04/02/16 04:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.6	1		04/02/16 04:24	96-12-8	
Dibromochloromethane	ND	ug/kg	6.6	1		04/02/16 04:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.6	1		04/02/16 04:24	106-93-4	
Dibromomethane	ND	ug/kg	6.6	1		04/02/16 04:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.6	1		04/02/16 04:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.6	1		04/02/16 04:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.6	1		04/02/16 04:24	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.2	1		04/02/16 04:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.6	1		04/02/16 04:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.6	1		04/02/16 04:24	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.6	1		04/02/16 04:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.6	1		04/02/16 04:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.6	1		04/02/16 04:24	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.6	1		04/02/16 04:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.6	1		04/02/16 04:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.6	1		04/02/16 04:24	594-20-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-3 (0-5FT) **Lab ID: 92291493021** Collected: 03/24/16 09:45 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	6.6	1		04/02/16 04:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.6	1		04/02/16 04:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.6	1		04/02/16 04:24	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.6	1		04/02/16 04:24	108-20-3	
Ethylbenzene	ND	ug/kg	6.6	1		04/02/16 04:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.6	1		04/02/16 04:24	87-68-3	
2-Hexanone	ND	ug/kg	65.9	1		04/02/16 04:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.6	1		04/02/16 04:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.6	1		04/02/16 04:24	99-87-6	
Methylene Chloride	ND	ug/kg	26.4	1		04/02/16 04:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	65.9	1		04/02/16 04:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.6	1		04/02/16 04:24	1634-04-4	
Naphthalene	ND	ug/kg	6.6	1		04/02/16 04:24	91-20-3	
n-Propylbenzene	ND	ug/kg	6.6	1		04/02/16 04:24	103-65-1	
Styrene	ND	ug/kg	6.6	1		04/02/16 04:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.6	1		04/02/16 04:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.6	1		04/02/16 04:24	79-34-5	
Tetrachloroethene	ND	ug/kg	6.6	1		04/02/16 04:24	127-18-4	
Toluene	ND	ug/kg	6.6	1		04/02/16 04:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.6	1		04/02/16 04:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.6	1		04/02/16 04:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.6	1		04/02/16 04:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.6	1		04/02/16 04:24	79-00-5	
Trichloroethene	ND	ug/kg	6.6	1		04/02/16 04:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.6	1		04/02/16 04:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.6	1		04/02/16 04:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.6	1		04/02/16 04:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.6	1		04/02/16 04:24	108-67-8	
Vinyl acetate	ND	ug/kg	65.9	1		04/02/16 04:24	108-05-4	
Vinyl chloride	ND	ug/kg	13.2	1		04/02/16 04:24	75-01-4	
Xylene (Total)	ND	ug/kg	13.2	1		04/02/16 04:24	1330-20-7	
m&p-Xylene	ND	ug/kg	13.2	1		04/02/16 04:24	179601-23-1	
o-Xylene	ND	ug/kg	6.6	1		04/02/16 04:24	95-47-6	
Surrogates								
Toluene-d8 (S)	101	%	70-130	1		04/02/16 04:24	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130	1		04/02/16 04:24	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-132	1		04/02/16 04:24	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**27.5**	%	0.10	1		03/28/16 07:17		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-17 (8-9FT) **Lab ID: 92291493022** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.4**	mg/kg	1.0	1	03/28/16 12:25	03/31/16 02:41	7440-38-2	
Barium	**120**	mg/kg	0.50	1	03/28/16 12:25	03/31/16 02:41	7440-39-3	
Cadmium	ND	mg/kg	0.10	1	03/28/16 12:25	03/31/16 02:41	7440-43-9	
Chromium	**5.6**	mg/kg	0.50	1	03/28/16 12:25	03/31/16 02:41	7440-47-3	
Lead	**3.6**	mg/kg	0.50	1	03/28/16 12:25	03/31/16 02:41	7439-92-1	
Selenium	ND	mg/kg	1.0	1	03/28/16 12:25	03/31/16 02:41	7782-49-2	
Silver	ND	mg/kg	0.50	1	03/28/16 12:25	03/31/16 02:41	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010A Leachate Method/Date: EPA 1311; 04/07/16 02:00 Initial pH: 7.5; Final pH: 8.4							
Arsenic	ND	mg/L	0.050	1	04/08/16 05:30	04/08/16 11:56	7440-38-2	
Barium	**0.36**	mg/L	0.25	1	04/08/16 05:30	04/08/16 11:56	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	04/08/16 05:30	04/08/16 11:56	7440-43-9	
Chromium	**0.052**	mg/L	0.025	1	04/08/16 05:30	04/08/16 11:56	7440-47-3	
Lead	ND	mg/L	0.025	1	04/08/16 05:30	04/08/16 11:56	7439-92-1	
Selenium	ND	mg/L	0.10	1	04/08/16 05:30	04/08/16 11:56	7782-49-2	
Silver	ND	mg/L	0.025	1	04/08/16 05:30	04/08/16 11:56	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 04/07/16 02:00 Initial pH: 7.5; Final pH: 8.4							
Mercury	ND	mg/L	0.00020	1	04/08/16 15:05	04/08/16 19:34	7439-97-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.0027**	mg/kg	0.0027	1	04/05/16 15:20	04/05/16 18:20	7439-97-6	
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	83-32-9	
Acenaphthylene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	208-96-8	
Aniline	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	62-53-3	
Anthracene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	120-12-7	
Benzo(a)anthracene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	207-08-9	
Benzoic Acid	ND	ug/kg	1990	1	03/28/16 15:30	03/31/16 16:14	65-85-0	
Benzyl alcohol	ND	ug/kg	795	1	03/28/16 15:30	03/31/16 16:14	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	101-55-3	
Butylbenzylphthalate	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	795	1	03/28/16 15:30	03/31/16 16:14	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	1	03/28/16 15:30	03/31/16 16:14	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	108-60-1	
2-Chloronaphthalene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	91-58-7	

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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-17 (8-9FT) **Lab ID: 92291493022** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Chlorophenol	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	7005-72-3	
Chrysene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	53-70-3	
Dibenzofuran	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	1	03/28/16 15:30	03/31/16 16:14	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	120-83-2	
Diethylphthalate	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	105-67-9	
Dimethylphthalate	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	131-11-3	
Di-n-butylphthalate	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	795	1	03/28/16 15:30	03/31/16 16:14	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	1	03/28/16 15:30	03/31/16 16:14	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	606-20-2	
Di-n-octylphthalate	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	117-81-7	
Fluoranthene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	206-44-0	
Fluorene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	87-68-3	
Hexachlorobenzene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	77-47-4	
Hexachloroethane	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	193-39-5	
Isophorone	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	78-59-1	
1-Methylnaphthalene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	90-12-0	
2-Methylnaphthalene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14		
Naphthalene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	91-20-3	
2-Nitroaniline	ND	ug/kg	1990	1	03/28/16 15:30	03/31/16 16:14	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	1	03/28/16 15:30	03/31/16 16:14	99-09-2	
4-Nitroaniline	ND	ug/kg	795	1	03/28/16 15:30	03/31/16 16:14	100-01-6	
Nitrobenzene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	98-95-3	
2-Nitrophenol	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	1	03/28/16 15:30	03/31/16 16:14	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	86-30-6	
Pentachlorophenol	ND	ug/kg	1990	1	03/28/16 15:30	03/31/16 16:14	87-86-5	
Phenanthrene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	85-01-8	
Phenol	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14		
Pyrene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-17 (8-9FT) **Lab ID: 92291493022** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
1,2,4-Trichlorobenzene	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	397	1	03/28/16 15:30	03/31/16 16:14	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	49	%	23-110	1	03/28/16 15:30	03/31/16 16:14	4165-60-0	
2-Fluorobiphenyl (S)	68	%	30-110	1	03/28/16 15:30	03/31/16 16:14	321-60-8	
Terphenyl-d14 (S)	72	%	28-110	1	03/28/16 15:30	03/31/16 16:14	1718-51-0	
Phenol-d6 (S)	49	%	22-110	1	03/28/16 15:30	03/31/16 16:14	13127-88-3	
2-Fluorophenol (S)	51	%	13-110	1	03/28/16 15:30	03/31/16 16:14	367-12-4	
2,4,6-Tribromophenol (S)	62	%	27-110	1	03/28/16 15:30	03/31/16 16:14	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	104	1		04/01/16 16:50	67-64-1	
Benzene	ND	ug/kg	5.2	1		04/01/16 16:50	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1		04/01/16 16:50	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1		04/01/16 16:50	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	1		04/01/16 16:50	75-27-4	
Bromoform	ND	ug/kg	5.2	1		04/01/16 16:50	75-25-2	
Bromomethane	ND	ug/kg	10.4	1		04/01/16 16:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	104	1		04/01/16 16:50	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1		04/01/16 16:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1		04/01/16 16:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.2	1		04/01/16 16:50	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.2	1		04/01/16 16:50	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1		04/01/16 16:50	108-90-7	
Chloroethane	ND	ug/kg	10.4	1		04/01/16 16:50	75-00-3	
Chloroform	ND	ug/kg	5.2	1		04/01/16 16:50	67-66-3	
Chloromethane	ND	ug/kg	10.4	1		04/01/16 16:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1		04/01/16 16:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1		04/01/16 16:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.2	1		04/01/16 16:50	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1		04/01/16 16:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1		04/01/16 16:50	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1		04/01/16 16:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1		04/01/16 16:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1		04/01/16 16:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1		04/01/16 16:50	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.4	1		04/01/16 16:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1		04/01/16 16:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1		04/01/16 16:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1		04/01/16 16:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1		04/01/16 16:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1		04/01/16 16:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1		04/01/16 16:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1		04/01/16 16:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1		04/01/16 16:50	594-20-7	

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Sample: B-17 (8-9FT) **Lab ID: 92291493022** Collected: 03/23/16 15:20 Received: 03/25/16 11:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/kg	5.2	1		04/01/16 16:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1		04/01/16 16:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1		04/01/16 16:50	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.2	1		04/01/16 16:50	108-20-3	
Ethylbenzene	ND	ug/kg	5.2	1		04/01/16 16:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1		04/01/16 16:50	87-68-3	
2-Hexanone	ND	ug/kg	52.1	1		04/01/16 16:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1		04/01/16 16:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1		04/01/16 16:50	99-87-6	
Methylene Chloride	ND	ug/kg	20.8	1		04/01/16 16:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.1	1		04/01/16 16:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		04/01/16 16:50	1634-04-4	
Naphthalene	ND	ug/kg	5.2	1		04/01/16 16:50	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1		04/01/16 16:50	103-65-1	
Styrene	ND	ug/kg	5.2	1		04/01/16 16:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1		04/01/16 16:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1		04/01/16 16:50	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1		04/01/16 16:50	127-18-4	
Toluene	ND	ug/kg	5.2	1		04/01/16 16:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1		04/01/16 16:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1		04/01/16 16:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1		04/01/16 16:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1		04/01/16 16:50	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1		04/01/16 16:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1		04/01/16 16:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1		04/01/16 16:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		04/01/16 16:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		04/01/16 16:50	108-67-8	
Vinyl acetate	ND	ug/kg	52.1	1		04/01/16 16:50	108-05-4	
Vinyl chloride	ND	ug/kg	10.4	1		04/01/16 16:50	75-01-4	
Xylene (Total)	ND	ug/kg	10.4	1		04/01/16 16:50	1330-20-7	
m&p-Xylene	ND	ug/kg	10.4	1		04/01/16 16:50	179601-23-1	
o-Xylene	ND	ug/kg	5.2	1		04/01/16 16:50	95-47-6	
Surrogates								
Toluene-d8 (S)	102	%	70-130	1		04/01/16 16:50	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130	1		04/01/16 16:50	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-132	1		04/01/16 16:50	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.9**	%	0.10	1		03/28/16 07:17		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MERP/9222 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004, 92291493005, 92291493006, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014, 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020

METHOD BLANK: 1704976 Matrix: Water
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004, 92291493005, 92291493006, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014, 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	04/09/16 16:38	

LABORATORY CONTROL SAMPLE: 1704977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1704978 1704979

Parameter	Units	92291493001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	.0025	.0025	0.0029	0.0031	116	123	75-125	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MERP/9226
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 92291493021, 92291493022

METHOD BLANK: 1705423 Matrix: Water
Associated Lab Samples: 92291493021, 92291493022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	04/08/16 19:17	

LABORATORY CONTROL SAMPLE: 1705424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.0025	0.0025	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1705425 1705426

Parameter	Units	92291493021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	.0025	.0025	0.0029	0.0031	116	122	75-125	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MERP/9171 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004, 92291493005

METHOD BLANK: 1698004 Matrix: Solid
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004, 92291493005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	04/05/16 14:27	

LABORATORY CONTROL SAMPLE: 1698005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.071	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1698006 1698007

Parameter	Units	92291615001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.016	.058	.065	0.072	0.082	95	102	75-125	13	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MERP/9185 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92291493006, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014, 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021, 92291493022

METHOD BLANK: 1699992 Matrix: Solid
Associated Lab Samples: 92291493006, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014, 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021, 92291493022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	04/05/16 17:16	

LABORATORY CONTROL SAMPLE: 1699993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.068	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1699994 1699995

Parameter	Units	92291795001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.11	1.4	1.1	1.2	0.80	79	65	75-125	41	20	H3,M1, R1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MPRP/21124 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004

METHOD BLANK: 1696157 Matrix: Solid
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	03/30/16 03:12	
Barium	mg/kg	ND	0.50	03/30/16 03:12	
Cadmium	mg/kg	ND	0.10	03/30/16 03:12	
Chromium	mg/kg	ND	0.50	03/30/16 03:12	
Lead	mg/kg	ND	0.50	03/30/16 03:12	
Selenium	mg/kg	ND	1.0	03/30/16 03:12	
Silver	mg/kg	ND	0.50	03/30/16 03:12	

LABORATORY CONTROL SAMPLE: 1696158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	49.8	100	80-120	
Barium	mg/kg	50	47.5	95	80-120	
Cadmium	mg/kg	50	49.6	99	80-120	
Chromium	mg/kg	50	47.8	96	80-120	
Lead	mg/kg	50	50.2	100	80-120	
Selenium	mg/kg	50	50.9	102	80-120	
Silver	mg/kg	25	24.6	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1696159 1696160

Parameter	Units	92291264001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	ND	96.3	56.7	99.4	.71J	103	0	75-125		20	M1
Barium	mg/kg	30.7	96.3	56.7	113	38.8	86	14	75-125	98	20	M1,R1
Cadmium	mg/kg	ND	96.3	56.7	96.8	.092J	101	0	75-125		20	M1
Chromium	mg/kg	1.1	96.3	56.7	91.6	4.2	94	6	75-125	182	20	M1,R1
Lead	mg/kg	ND	96.3	56.7	96.8	5.2	100	8	75-125	180	20	M1,R1
Selenium	mg/kg	ND	96.3	56.7	106	.8J	109	-1	75-125		20	M1
Silver	mg/kg	ND	48.1	28.3	47.1	ND	98	0	75-125		20	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MPRP/21125 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 92291493005, 92291493006, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014, 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021, 92291493022

METHOD BLANK: 1696161 Matrix: Solid
Associated Lab Samples: 92291493005, 92291493006, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014, 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021, 92291493022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	03/31/16 01:15	
Barium	mg/kg	ND	0.50	03/31/16 01:15	
Cadmium	mg/kg	ND	0.10	03/31/16 01:15	
Chromium	mg/kg	ND	0.50	03/31/16 01:15	
Lead	mg/kg	ND	0.50	03/31/16 01:15	
Selenium	mg/kg	ND	1.0	03/31/16 01:15	
Silver	mg/kg	ND	0.50	03/31/16 01:15	

LABORATORY CONTROL SAMPLE: 1696162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	48.8	98	80-120	
Barium	mg/kg	50	50.3	101	80-120	
Cadmium	mg/kg	50	50.0	100	80-120	
Chromium	mg/kg	50	49.3	99	80-120	
Lead	mg/kg	50	49.5	99	80-120	
Selenium	mg/kg	50	50.9	102	80-120	
Silver	mg/kg	25	25.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1696163 1696164

Parameter	Units	92291493005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	1.6	47.6	49.1	37.2	38.8	75	76	75-125	4	20	
Barium	mg/kg	26.2	47.6	49.1	87.4	81.8	128	113	75-125	7	20	M1
Cadmium	mg/kg	ND	47.6	49.1	41.5	43.9	87	90	75-125	6	20	
Chromium	mg/kg	21.4	47.6	49.1	55.4	59.3	71	77	75-125	7	20	M1
Lead	mg/kg	8.7	47.6	49.1	47.8	49.8	82	84	75-125	4	20	
Selenium	mg/kg	1.2	47.6	49.1	37.4	38.7	76	76	75-125	4	20	
Silver	mg/kg	ND	23.7	24.5	20.7	22.2	87	90	75-125	7	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MPRP/21269 Analysis Method: EPA 6010
QC Batch Method: EPA 3010A Analysis Description: 6010 MET TCLP
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004, 92291493005, 92291493006, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014, 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020

METHOD BLANK: 1703616 Matrix: Water
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004, 92291493005, 92291493006, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014, 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.050	04/07/16 20:17	
Barium	mg/L	ND	0.25	04/07/16 20:17	
Cadmium	mg/L	ND	0.0050	04/07/16 20:17	
Chromium	mg/L	ND	0.025	04/07/16 20:17	
Lead	mg/L	ND	0.025	04/07/16 20:17	
Selenium	mg/L	ND	0.10	04/07/16 20:17	
Silver	mg/L	ND	0.025	04/07/16 20:17	

LABORATORY CONTROL SAMPLE: 1703617

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.5	99	80-120	
Barium	mg/L	2.5	2.4	95	80-120	
Cadmium	mg/L	2.5	2.5	99	80-120	
Chromium	mg/L	2.5	2.5	99	80-120	
Lead	mg/L	2.5	2.3	93	80-120	
Selenium	mg/L	2.5	2.5	100	80-120	
Silver	mg/L	1.2	1.2	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1703618 1703619

Parameter	Units	92291493001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	2.5	2.5	2.7	2.6	106	102	75-125	3	20	
Barium	mg/L	0.45	2.5	2.5	3.0	3.0	104	101	75-125	2	20	
Cadmium	mg/L	ND	2.5	2.5	2.7	2.6	106	104	75-125	3	20	
Chromium	mg/L	ND	2.5	2.5	2.7	2.6	107	104	75-125	2	20	
Lead	mg/L	ND	2.5	2.5	2.5	2.5	101	98	75-125	3	20	
Selenium	mg/L	ND	2.5	2.5	2.7	2.6	106	104	75-125	2	20	
Silver	mg/L	ND	1.2	1.2	1.3	1.3	105	103	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MPRP/21295
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 92291493021, 92291493022

METHOD BLANK: 1704990 Matrix: Water
Associated Lab Samples: 92291493021, 92291493022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.050	04/08/16 11:41	
Barium	mg/L	ND	0.25	04/08/16 11:41	
Cadmium	mg/L	ND	0.0050	04/08/16 11:41	
Chromium	mg/L	ND	0.025	04/08/16 11:41	
Lead	mg/L	ND	0.025	04/08/16 11:41	
Selenium	mg/L	ND	0.10	04/08/16 11:41	
Silver	mg/L	ND	0.025	04/08/16 11:41	

LABORATORY CONTROL SAMPLE: 1704991

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.8	112	80-120	
Barium	mg/L	2.5	2.8	110	80-120	
Cadmium	mg/L	2.5	2.7	110	80-120	
Chromium	mg/L	2.5	2.7	107	80-120	
Lead	mg/L	2.5	2.8	111	80-120	
Selenium	mg/L	2.5	2.8	112	80-120	
Silver	mg/L	1.2	1.4	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1704992 1704993

Parameter	Units	92291493021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	ND	2.5	2.5	2.9	2.8	117	112	75-125	5	20	
Barium	mg/L	ND	2.5	2.5	2.8	2.7	113	107	75-125	6	20	
Cadmium	mg/L	ND	2.5	2.5	2.8	2.7	113	109	75-125	4	20	
Chromium	mg/L	ND	2.5	2.5	2.8	2.6	111	103	75-125	7	20	
Lead	mg/L	ND	2.5	2.5	2.9	2.8	115	111	75-125	4	20	
Selenium	mg/L	ND	2.5	2.5	2.9	2.8	114	110	75-125	4	20	
Silver	mg/L	ND	1.2	1.2	1.5	1.4	117	109	75-125	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MSV/36209 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92291493005, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493013, 92291493014, 92291493015, 92291493022

METHOD BLANK: 1699823 Matrix: Solid
Associated Lab Samples: 92291493005, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493013, 92291493014, 92291493015, 92291493022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	6.8	04/01/16 10:23	
1,1,1-Trichloroethane	ug/kg	ND	6.8	04/01/16 10:23	
1,1,2,2-Tetrachloroethane	ug/kg	ND	6.8	04/01/16 10:23	
1,1,2-Trichloroethane	ug/kg	ND	6.8	04/01/16 10:23	
1,1-Dichloroethane	ug/kg	ND	6.8	04/01/16 10:23	
1,1-Dichloroethene	ug/kg	ND	6.8	04/01/16 10:23	
1,1-Dichloropropene	ug/kg	ND	6.8	04/01/16 10:23	
1,2,3-Trichlorobenzene	ug/kg	ND	6.8	04/01/16 10:23	
1,2,3-Trichloropropane	ug/kg	ND	6.8	04/01/16 10:23	
1,2,4-Trichlorobenzene	ug/kg	ND	6.8	04/01/16 10:23	
1,2,4-Trimethylbenzene	ug/kg	ND	6.8	04/01/16 10:23	
1,2-Dibromo-3-chloropropane	ug/kg	ND	6.8	04/01/16 10:23	
1,2-Dibromoethane (EDB)	ug/kg	ND	6.8	04/01/16 10:23	
1,2-Dichlorobenzene	ug/kg	ND	6.8	04/01/16 10:23	
1,2-Dichloroethane	ug/kg	ND	6.8	04/01/16 10:23	
1,2-Dichloropropane	ug/kg	ND	6.8	04/01/16 10:23	
1,3,5-Trimethylbenzene	ug/kg	ND	6.8	04/01/16 10:23	
1,3-Dichlorobenzene	ug/kg	ND	6.8	04/01/16 10:23	
1,3-Dichloropropane	ug/kg	ND	6.8	04/01/16 10:23	
1,4-Dichlorobenzene	ug/kg	ND	6.8	04/01/16 10:23	
2,2-Dichloropropane	ug/kg	ND	6.8	04/01/16 10:23	
2-Butanone (MEK)	ug/kg	ND	136	04/01/16 10:23	
2-Chlorotoluene	ug/kg	ND	6.8	04/01/16 10:23	
2-Hexanone	ug/kg	ND	68.1	04/01/16 10:23	
4-Chlorotoluene	ug/kg	ND	6.8	04/01/16 10:23	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	68.1	04/01/16 10:23	
Acetone	ug/kg	ND	136	04/01/16 10:23	
Benzene	ug/kg	ND	6.8	04/01/16 10:23	
Bromobenzene	ug/kg	ND	6.8	04/01/16 10:23	
Bromochloromethane	ug/kg	ND	6.8	04/01/16 10:23	
Bromodichloromethane	ug/kg	ND	6.8	04/01/16 10:23	
Bromoform	ug/kg	ND	6.8	04/01/16 10:23	
Bromomethane	ug/kg	ND	13.6	04/01/16 10:23	
Carbon tetrachloride	ug/kg	ND	6.8	04/01/16 10:23	
Chlorobenzene	ug/kg	ND	6.8	04/01/16 10:23	
Chloroethane	ug/kg	ND	13.6	04/01/16 10:23	
Chloroform	ug/kg	ND	6.8	04/01/16 10:23	
Chloromethane	ug/kg	ND	13.6	04/01/16 10:23	
cis-1,2-Dichloroethene	ug/kg	ND	6.8	04/01/16 10:23	
cis-1,3-Dichloropropene	ug/kg	ND	6.8	04/01/16 10:23	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

METHOD BLANK: 1699823 Matrix: Solid
Associated Lab Samples: 92291493005, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493013, 92291493014, 92291493015, 92291493022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	6.8	04/01/16 10:23	
Dibromomethane	ug/kg	ND	6.8	04/01/16 10:23	
Dichlorodifluoromethane	ug/kg	ND	13.6	04/01/16 10:23	
Diisopropyl ether	ug/kg	ND	6.8	04/01/16 10:23	
Ethylbenzene	ug/kg	ND	6.8	04/01/16 10:23	
Hexachloro-1,3-butadiene	ug/kg	ND	6.8	04/01/16 10:23	
Isopropylbenzene (Cumene)	ug/kg	ND	6.8	04/01/16 10:23	
m&p-Xylene	ug/kg	ND	13.6	04/01/16 10:23	
Methyl-tert-butyl ether	ug/kg	ND	6.8	04/01/16 10:23	
Methylene Chloride	ug/kg	ND	27.2	04/01/16 10:23	
n-Butylbenzene	ug/kg	ND	6.8	04/01/16 10:23	
n-Propylbenzene	ug/kg	ND	6.8	04/01/16 10:23	
Naphthalene	ug/kg	ND	6.8	04/01/16 10:23	
o-Xylene	ug/kg	ND	6.8	04/01/16 10:23	
p-Isopropyltoluene	ug/kg	ND	6.8	04/01/16 10:23	
sec-Butylbenzene	ug/kg	ND	6.8	04/01/16 10:23	
Styrene	ug/kg	ND	6.8	04/01/16 10:23	
tert-Butylbenzene	ug/kg	ND	6.8	04/01/16 10:23	
Tetrachloroethene	ug/kg	ND	6.8	04/01/16 10:23	
Toluene	ug/kg	ND	6.8	04/01/16 10:23	
trans-1,2-Dichloroethene	ug/kg	ND	6.8	04/01/16 10:23	
trans-1,3-Dichloropropene	ug/kg	ND	6.8	04/01/16 10:23	
Trichloroethene	ug/kg	ND	6.8	04/01/16 10:23	
Trichlorofluoromethane	ug/kg	ND	6.8	04/01/16 10:23	
Vinyl acetate	ug/kg	ND	68.1	04/01/16 10:23	
Vinyl chloride	ug/kg	ND	13.6	04/01/16 10:23	
Xylene (Total)	ug/kg	ND	13.6	04/01/16 10:23	
1,2-Dichloroethane-d4 (S)	%	129	70-132	04/01/16 10:23	
4-Bromofluorobenzene (S)	%	94	70-130	04/01/16 10:23	
Toluene-d8 (S)	%	101	70-130	04/01/16 10:23	

LABORATORY CONTROL SAMPLE: 1699824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	74	72.6	98	74-137	
1,1,1-Trichloroethane	ug/kg	74	75.7	102	67-140	
1,1,2,2-Tetrachloroethane	ug/kg	74	76.5	103	72-141	
1,1,2-Trichloroethane	ug/kg	74	74.1	100	78-138	
1,1-Dichloroethane	ug/kg	74	73.0	99	69-134	
1,1-Dichloroethene	ug/kg	74	77.6	105	67-138	
1,1-Dichloropropene	ug/kg	74	77.6	105	69-139	
1,2,3-Trichlorobenzene	ug/kg	74	72.4	98	70-146	
1,2,3-Trichloropropane	ug/kg	74	70.8	96	69-144	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1699824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	74	74.5	101	68-148	
1,2,4-Trimethylbenzene	ug/kg	74	77.3	105	74-137	
1,2-Dibromo-3-chloropropane	ug/kg	74	74.4	101	65-140	
1,2-Dibromoethane (EDB)	ug/kg	74	76.7	104	77-135	
1,2-Dichlorobenzene	ug/kg	74	74.2	100	77-141	
1,2-Dichloroethane	ug/kg	74	70.4	95	65-137	
1,2-Dichloropropane	ug/kg	74	75.9	103	72-136	
1,3,5-Trimethylbenzene	ug/kg	74	75.7	102	76-133	
1,3-Dichlorobenzene	ug/kg	74	76.2	103	74-138	
1,3-Dichloropropane	ug/kg	74	72.7	98	71-139	
1,4-Dichlorobenzene	ug/kg	74	75.1	101	76-138	
2,2-Dichloropropane	ug/kg	74	74.6	101	68-137	
2-Butanone (MEK)	ug/kg	148	156	105	58-147	
2-Chlorotoluene	ug/kg	74	75.2	102	73-139	
2-Hexanone	ug/kg	148	156	105	62-145	
4-Chlorotoluene	ug/kg	74	75.8	102	76-141	
4-Methyl-2-pentanone (MIBK)	ug/kg	148	160	108	64-149	
Acetone	ug/kg	148	162	109	53-153	
Benzene	ug/kg	74	76.1	103	73-135	
Bromobenzene	ug/kg	74	77.1	104	75-133	
Bromochloromethane	ug/kg	74	74.0	100	73-134	
Bromodichloromethane	ug/kg	74	73.9	100	71-135	
Bromoform	ug/kg	74	72.0	97	66-141	
Bromomethane	ug/kg	74	84.4	114	53-160	
Carbon tetrachloride	ug/kg	74	74.7	101	60-145	
Chlorobenzene	ug/kg	74	72.4	98	78-130	
Chloroethane	ug/kg	74	82.9	112	64-149	
Chloroform	ug/kg	74	75.3	102	70-134	
Chloromethane	ug/kg	74	83.8	113	52-150	
cis-1,2-Dichloroethene	ug/kg	74	74.9	101	70-133	
cis-1,3-Dichloropropene	ug/kg	74	77.5	105	68-134	
Dibromochloromethane	ug/kg	74	74.3	101	71-138	
Dibromomethane	ug/kg	74	73.1	99	74-130	
Dichlorodifluoromethane	ug/kg	74	78.6	106	40-160	
Diisopropyl ether	ug/kg	74	77.8	105	69-141	
Ethylbenzene	ug/kg	74	73.5	99	75-133	
Hexachloro-1,3-butadiene	ug/kg	74	72.1	98	68-143	
Isopropylbenzene (Cumene)	ug/kg	74	72.3	98	76-143	
m&p-Xylene	ug/kg	148	146	99	75-136	
Methyl-tert-butyl ether	ug/kg	74	76.4	103	68-144	
Methylene Chloride	ug/kg	74	77.2	104	45-154	
n-Butylbenzene	ug/kg	74	79.3	107	72-137	
n-Propylbenzene	ug/kg	74	75.5	102	76-136	
Naphthalene	ug/kg	74	76.1	103	68-151	
o-Xylene	ug/kg	74	71.6	97	76-141	
p-Isopropyltoluene	ug/kg	74	75.4	102	76-140	
sec-Butylbenzene	ug/kg	74	75.1	102	79-139	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1699824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/kg	74	72.6	98	79-137	
tert-Butylbenzene	ug/kg	74	68.8	93	74-143	
Tetrachloroethene	ug/kg	74	60.2	81	71-138	
Toluene	ug/kg	74	75.5	102	74-131	
trans-1,2-Dichloroethene	ug/kg	74	77.1	104	67-135	
trans-1,3-Dichloropropene	ug/kg	74	75.3	102	65-146	
Trichloroethene	ug/kg	74	72.8	98	67-135	
Trichlorofluoromethane	ug/kg	74	79.5	108	59-144	
Vinyl acetate	ug/kg	148	153	104	40-160	F3
Vinyl chloride	ug/kg	74	84.0	114	56-141	
Xylene (Total)	ug/kg	222	218	98	76-137	
1,2-Dichloroethane-d4 (S)	%			103	70-132	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1700647

Parameter	Units	92291962009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	24.1	22.8	95	70-130	
1,1,1-Trichloroethane	ug/kg	ND	24.1	20.3	84	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	ND	24.1	22.4	93	70-130	
1,1,2-Trichloroethane	ug/kg	ND	24.1	21.3	88	70-130	
1,1-Dichloroethane	ug/kg	ND	24.1	19.9	83	70-130	
1,1-Dichloroethene	ug/kg	ND	24.1	20.4	85	49-180	
1,1-Dichloropropene	ug/kg	ND	24.1	20.5	85	70-130	
1,2,3-Trichlorobenzene	ug/kg	ND	24.1	21.0	87	70-130	
1,2,3-Trichloropropane	ug/kg	ND	24.1	22.2	92	70-130	
1,2,4-Trichlorobenzene	ug/kg	ND	24.1	21.1	88	70-130	
1,2,4-Trimethylbenzene	ug/kg	ND	24.1	25.0	104	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	ND	24.1	22.1	92	70-130	
1,2-Dibromoethane (EDB)	ug/kg	ND	24.1	20.9	87	70-130	
1,2-Dichlorobenzene	ug/kg	ND	24.1	23.1	96	70-130	
1,2-Dichloroethane	ug/kg	ND	24.1	18.9	79	70-130	
1,2-Dichloropropane	ug/kg	ND	24.1	19.5	81	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	24.1	24.8	103	70-130	
1,3-Dichlorobenzene	ug/kg	ND	24.1	23.8	99	70-130	
1,3-Dichloropropane	ug/kg	ND	24.1	21.0	87	70-130	
1,4-Dichlorobenzene	ug/kg	ND	24.1	23.8	99	70-130	
2,2-Dichloropropane	ug/kg	ND	24.1	19.1	80	70-130	
2-Butanone (MEK)	ug/kg	ND	48.2	40.1J	83	70-130	
2-Chlorotoluene	ug/kg	ND	24.1	24.7	103	70-130	
2-Hexanone	ug/kg	ND	48.2	43.4J	90	70-130	
4-Chlorotoluene	ug/kg	ND	24.1	23.6	98	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	48.2	43.3J	90	70-130	
Acetone	ug/kg	ND	48.2	56.9J	90	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

MATRIX SPIKE SAMPLE: 1700647

Parameter	Units	92291962009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	ND	24.1	19.6	82	50-166	
Bromobenzene	ug/kg	ND	24.1	23.2	96	70-130	
Bromochloromethane	ug/kg	ND	24.1	19.5	81	70-130	
Bromodichloromethane	ug/kg	ND	24.1	21.1	88	70-130	
Bromoform	ug/kg	ND	24.1	20.7	86	70-130	
Bromomethane	ug/kg	ND	24.1	23.8	99	70-130	
Carbon tetrachloride	ug/kg	ND	24.1	19.0	79	70-130	
Chlorobenzene	ug/kg	ND	24.1	22.7	95	43-169	
Chloroethane	ug/kg	ND	24.1	21.6	90	70-130	
Chloroform	ug/kg	ND	24.1	20.8	87	70-130	
Chloromethane	ug/kg	ND	24.1	18.4	76	70-130	
cis-1,2-Dichloroethene	ug/kg	ND	24.1	19.6	82	70-130	
cis-1,3-Dichloropropene	ug/kg	ND	24.1	20.4	85	70-130	
Dibromochloromethane	ug/kg	ND	24.1	21.8	91	70-130	
Dibromomethane	ug/kg	ND	24.1	19.3	80	70-130	
Dichlorodifluoromethane	ug/kg	ND	24.1	17.2	72	70-130	
Diisopropyl ether	ug/kg	ND	24.1	20.6	86	70-130	
Ethylbenzene	ug/kg	ND	24.1	23.7	99	70-130	
Hexachloro-1,3-butadiene	ug/kg	ND	24.1	24.4	101	70-130	
Isopropylbenzene (Cumene)	ug/kg	ND	24.1	25.0	104	70-130	
m&p-Xylene	ug/kg	ND	48.2	46.9	97	70-130	
Methyl-tert-butyl ether	ug/kg	ND	24.1	18.6	77	70-130	
Methylene Chloride	ug/kg	ND	24.1	22.8J	82	70-130	
n-Butylbenzene	ug/kg	ND	24.1	26.1	108	70-130	
n-Propylbenzene	ug/kg	ND	24.1	24.8	103	70-130	
Naphthalene	ug/kg	ND	24.1	20.9	87	70-130	
o-Xylene	ug/kg	ND	24.1	22.9	95	70-130	
p-Isopropyltoluene	ug/kg	ND	24.1	26.0	108	70-130	
sec-Butylbenzene	ug/kg	ND	24.1	25.8	107	70-130	
Styrene	ug/kg	ND	24.1	23.6	98	70-130	
tert-Butylbenzene	ug/kg	ND	24.1	22.9	95	70-130	
Tetrachloroethene	ug/kg	ND	24.1	20.1	83	70-130	
Toluene	ug/kg	ND	24.1	21.6	89	52-163	
trans-1,2-Dichloroethene	ug/kg	ND	24.1	19.8	83	70-130	
trans-1,3-Dichloropropene	ug/kg	ND	24.1	19.9	83	70-130	
Trichloroethene	ug/kg	ND	24.1	19.7	82	49-167	
Trichlorofluoromethane	ug/kg	ND	24.1	22.0	91	70-130	
Vinyl acetate	ug/kg	ND	48.2	24J	50	70-130	M1
Vinyl chloride	ug/kg	ND	24.1	20.4	85	70-130	
1,2-Dichloroethane-d4 (S)	%				99	70-132	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				101	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

SAMPLE DUPLICATE: 1700646

Parameter	Units	92291493005 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	
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	ND	34J		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	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

SAMPLE DUPLICATE: 1700646

Parameter	Units	92291493005 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	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	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	101	102	4		
4-Bromofluorobenzene (S)	%	89	96	10		
Toluene-d8 (S)	%	100	102	4		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MSV/36214 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004, 92291493006

METHOD BLANK: 1700254 Matrix: Solid
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004, 92291493006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	7.0	04/01/16 19:28	
1,1,1-Trichloroethane	ug/kg	ND	7.0	04/01/16 19:28	
1,1,2,2-Tetrachloroethane	ug/kg	ND	7.0	04/01/16 19:28	
1,1,2-Trichloroethane	ug/kg	ND	7.0	04/01/16 19:28	
1,1-Dichloroethane	ug/kg	ND	7.0	04/01/16 19:28	
1,1-Dichloroethene	ug/kg	ND	7.0	04/01/16 19:28	
1,1-Dichloropropene	ug/kg	ND	7.0	04/01/16 19:28	
1,2,3-Trichlorobenzene	ug/kg	ND	7.0	04/01/16 19:28	
1,2,3-Trichloropropane	ug/kg	ND	7.0	04/01/16 19:28	
1,2,4-Trichlorobenzene	ug/kg	ND	7.0	04/01/16 19:28	
1,2,4-Trimethylbenzene	ug/kg	ND	7.0	04/01/16 19:28	
1,2-Dibromo-3-chloropropane	ug/kg	ND	7.0	04/01/16 19:28	
1,2-Dibromoethane (EDB)	ug/kg	ND	7.0	04/01/16 19:28	
1,2-Dichlorobenzene	ug/kg	ND	7.0	04/01/16 19:28	
1,2-Dichloroethane	ug/kg	ND	7.0	04/01/16 19:28	
1,2-Dichloropropane	ug/kg	ND	7.0	04/01/16 19:28	
1,3,5-Trimethylbenzene	ug/kg	ND	7.0	04/01/16 19:28	
1,3-Dichlorobenzene	ug/kg	ND	7.0	04/01/16 19:28	
1,3-Dichloropropane	ug/kg	ND	7.0	04/01/16 19:28	
1,4-Dichlorobenzene	ug/kg	ND	7.0	04/01/16 19:28	
2,2-Dichloropropane	ug/kg	ND	7.0	04/01/16 19:28	
2-Butanone (MEK)	ug/kg	ND	140	04/01/16 19:28	
2-Chlorotoluene	ug/kg	ND	7.0	04/01/16 19:28	
2-Hexanone	ug/kg	ND	70.2	04/01/16 19:28	
4-Chlorotoluene	ug/kg	ND	7.0	04/01/16 19:28	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	70.2	04/01/16 19:28	
Acetone	ug/kg	ND	140	04/01/16 19:28	
Benzene	ug/kg	ND	7.0	04/01/16 19:28	
Bromobenzene	ug/kg	ND	7.0	04/01/16 19:28	
Bromochloromethane	ug/kg	ND	7.0	04/01/16 19:28	
Bromodichloromethane	ug/kg	ND	7.0	04/01/16 19:28	
Bromoform	ug/kg	ND	7.0	04/01/16 19:28	
Bromomethane	ug/kg	ND	14.0	04/01/16 19:28	
Carbon tetrachloride	ug/kg	ND	7.0	04/01/16 19:28	
Chlorobenzene	ug/kg	ND	7.0	04/01/16 19:28	
Chloroethane	ug/kg	ND	14.0	04/01/16 19:28	
Chloroform	ug/kg	ND	7.0	04/01/16 19:28	
Chloromethane	ug/kg	ND	14.0	04/01/16 19:28	
cis-1,2-Dichloroethene	ug/kg	ND	7.0	04/01/16 19:28	
cis-1,3-Dichloropropene	ug/kg	ND	7.0	04/01/16 19:28	
Dibromochloromethane	ug/kg	ND	7.0	04/01/16 19:28	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

METHOD BLANK: 1700254 Matrix: Solid
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004, 92291493006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	7.0	04/01/16 19:28	
Dichlorodifluoromethane	ug/kg	ND	14.0	04/01/16 19:28	
Diisopropyl ether	ug/kg	ND	7.0	04/01/16 19:28	
Ethylbenzene	ug/kg	ND	7.0	04/01/16 19:28	
Hexachloro-1,3-butadiene	ug/kg	ND	7.0	04/01/16 19:28	
Isopropylbenzene (Cumene)	ug/kg	ND	7.0	04/01/16 19:28	
m&p-Xylene	ug/kg	ND	14.0	04/01/16 19:28	
Methyl-tert-butyl ether	ug/kg	ND	7.0	04/01/16 19:28	
Methylene Chloride	ug/kg	ND	28.1	04/01/16 19:28	
n-Butylbenzene	ug/kg	ND	7.0	04/01/16 19:28	
n-Propylbenzene	ug/kg	ND	7.0	04/01/16 19:28	
Naphthalene	ug/kg	ND	7.0	04/01/16 19:28	
o-Xylene	ug/kg	ND	7.0	04/01/16 19:28	
p-Isopropyltoluene	ug/kg	ND	7.0	04/01/16 19:28	
sec-Butylbenzene	ug/kg	ND	7.0	04/01/16 19:28	
Styrene	ug/kg	ND	7.0	04/01/16 19:28	
tert-Butylbenzene	ug/kg	ND	7.0	04/01/16 19:28	
Tetrachloroethene	ug/kg	ND	7.0	04/01/16 19:28	
Toluene	ug/kg	ND	7.0	04/01/16 19:28	
trans-1,2-Dichloroethene	ug/kg	ND	7.0	04/01/16 19:28	
trans-1,3-Dichloropropene	ug/kg	ND	7.0	04/01/16 19:28	
Trichloroethene	ug/kg	ND	7.0	04/01/16 19:28	
Trichlorofluoromethane	ug/kg	ND	7.0	04/01/16 19:28	
Vinyl acetate	ug/kg	ND	70.2	04/01/16 19:28	
Vinyl chloride	ug/kg	ND	14.0	04/01/16 19:28	
Xylene (Total)	ug/kg	ND	14.0	04/01/16 19:28	
1,2-Dichloroethane-d4 (S)	%	107	70-132	04/01/16 19:28	
4-Bromofluorobenzene (S)	%	95	70-130	04/01/16 19:28	
Toluene-d8 (S)	%	102	70-130	04/01/16 19:28	

LABORATORY CONTROL SAMPLE: 1700255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	68.1	69.8	102	74-137	
1,1,1-Trichloroethane	ug/kg	68.1	69.0	101	67-140	
1,1,2,2-Tetrachloroethane	ug/kg	68.1	71.0	104	72-141	
1,1,2-Trichloroethane	ug/kg	68.1	68.1	100	78-138	
1,1-Dichloroethane	ug/kg	68.1	65.7	96	69-134	
1,1-Dichloroethene	ug/kg	68.1	70.0	103	67-138	
1,1-Dichloropropene	ug/kg	68.1	70.1	103	69-139	
1,2,3-Trichlorobenzene	ug/kg	68.1	71.2	105	70-146	
1,2,3-Trichloropropane	ug/kg	68.1	72.5	106	69-144	
1,2,4-Trichlorobenzene	ug/kg	68.1	66.5	98	68-148	
1,2,4-Trimethylbenzene	ug/kg	68.1	71.6	105	74-137	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1700255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	68.1	75.7	111	65-140	
1,2-Dibromoethane (EDB)	ug/kg	68.1	73.3	108	77-135	
1,2-Dichlorobenzene	ug/kg	68.1	70.5	103	77-141	
1,2-Dichloroethane	ug/kg	68.1	66.5	98	65-137	
1,2-Dichloropropane	ug/kg	68.1	69.0	101	72-136	
1,3,5-Trimethylbenzene	ug/kg	68.1	70.2	103	76-133	
1,3-Dichlorobenzene	ug/kg	68.1	69.7	102	74-138	
1,3-Dichloropropane	ug/kg	68.1	71.7	105	71-139	
1,4-Dichlorobenzene	ug/kg	68.1	70.3	103	76-138	
2,2-Dichloropropane	ug/kg	68.1	66.4	98	68-137	
2-Butanone (MEK)	ug/kg	136	152	112	58-147	
2-Chlorotoluene	ug/kg	68.1	70.3	103	73-139	
2-Hexanone	ug/kg	136	165	121	62-145	
4-Chlorotoluene	ug/kg	68.1	69.0	101	76-141	
4-Methyl-2-pentanone (MIBK)	ug/kg	136	159	117	64-149	
Acetone	ug/kg	136	157	115	53-153	
Benzene	ug/kg	68.1	68.0	100	73-135	
Bromobenzene	ug/kg	68.1	71.8	105	75-133	
Bromochloromethane	ug/kg	68.1	68.6	101	73-134	
Bromodichloromethane	ug/kg	68.1	66.1	97	71-135	
Bromoform	ug/kg	68.1	70.0	103	66-141	
Bromomethane	ug/kg	68.1	74.7	110	53-160	
Carbon tetrachloride	ug/kg	68.1	65.3	96	60-145	
Chlorobenzene	ug/kg	68.1	68.7	101	78-130	
Chloroethane	ug/kg	68.1	74.7	110	64-149	
Chloroform	ug/kg	68.1	68.5	101	70-134	
Chloromethane	ug/kg	68.1	76.6	113	52-150	
cis-1,2-Dichloroethene	ug/kg	68.1	68.1	100	70-133	
cis-1,3-Dichloropropene	ug/kg	68.1	68.7	101	68-134	
Dibromochloromethane	ug/kg	68.1	72.0	106	71-138	
Dibromomethane	ug/kg	68.1	66.9	98	74-130	
Dichlorodifluoromethane	ug/kg	68.1	68.6	101	40-160	
Diisopropyl ether	ug/kg	68.1	73.4	108	69-141	
Ethylbenzene	ug/kg	68.1	68.9	101	75-133	
Hexachloro-1,3-butadiene	ug/kg	68.1	66.6	98	68-143	
Isopropylbenzene (Cumene)	ug/kg	68.1	68.1	100	76-143	
m&p-Xylene	ug/kg	136	136	100	75-136	
Methyl-tert-butyl ether	ug/kg	68.1	71.8	105	68-144	
Methylene Chloride	ug/kg	68.1	76.2	112	45-154	
n-Butylbenzene	ug/kg	68.1	70.1	103	72-137	
n-Propylbenzene	ug/kg	68.1	69.2	102	76-136	
Naphthalene	ug/kg	68.1	77.7	114	68-151	
o-Xylene	ug/kg	68.1	66.9	98	76-141	
p-Isopropyltoluene	ug/kg	68.1	69.3	102	76-140	
sec-Butylbenzene	ug/kg	68.1	69.8	102	79-139	
Styrene	ug/kg	68.1	69.8	102	79-137	
tert-Butylbenzene	ug/kg	68.1	64.8	95	74-143	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1700255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	68.1	52.9	78	71-138	
Toluene	ug/kg	68.1	67.3	99	74-131	
trans-1,2-Dichloroethene	ug/kg	68.1	69.1	101	67-135	
trans-1,3-Dichloropropene	ug/kg	68.1	68.5	101	65-146	
Trichloroethene	ug/kg	68.1	68.6	101	67-135	
Trichlorofluoromethane	ug/kg	68.1	69.3	102	59-144	
Vinyl acetate	ug/kg	136	90.8	67	40-160	F3
Vinyl chloride	ug/kg	68.1	75.9	111	56-141	
Xylene (Total)	ug/kg	204	203	99	76-137	
1,2-Dichloroethane-d4 (S)	%			105	70-132	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1700652

Parameter	Units	92291962010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	31.9	32.1	101	70-130	
1,1,1-Trichloroethane	ug/kg	ND	31.9	28.1	88	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	ND	31.9	31.4	98	70-130	
1,1,2-Trichloroethane	ug/kg	ND	31.9	31.0	97	70-130	
1,1-Dichloroethane	ug/kg	ND	31.9	27.3	86	70-130	
1,1-Dichloroethene	ug/kg	ND	31.9	28.8	90	49-180	
1,1-Dichloropropene	ug/kg	ND	31.9	27.9	87	70-130	
1,2,3-Trichlorobenzene	ug/kg	ND	31.9	27.5	86	70-130	
1,2,3-Trichloropropane	ug/kg	ND	31.9	31.1	98	70-130	
1,2,4-Trichlorobenzene	ug/kg	ND	31.9	27.7	87	70-130	
1,2,4-Trimethylbenzene	ug/kg	ND	31.9	33.8	106	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	ND	31.9	29.7	93	70-130	
1,2-Dibromoethane (EDB)	ug/kg	ND	31.9	29.8	93	70-130	
1,2-Dichlorobenzene	ug/kg	ND	31.9	31.1	97	70-130	
1,2-Dichloroethane	ug/kg	ND	31.9	26.8	84	70-130	
1,2-Dichloropropane	ug/kg	ND	31.9	28.1	88	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	31.9	33.3	104	70-130	
1,3-Dichlorobenzene	ug/kg	ND	31.9	32.4	102	70-130	
1,3-Dichloropropane	ug/kg	ND	31.9	29.4	92	70-130	
1,4-Dichlorobenzene	ug/kg	ND	31.9	31.8	100	70-130	
2,2-Dichloropropane	ug/kg	ND	31.9	26.1	82	70-130	
2-Butanone (MEK)	ug/kg	ND	63.8	54.7J	86	70-130	
2-Chlorotoluene	ug/kg	ND	31.9	33.2	104	70-130	
2-Hexanone	ug/kg	ND	63.8	58.8J	92	70-130	
4-Chlorotoluene	ug/kg	ND	31.9	32.1	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	63.8	61J	96	70-130	
Acetone	ug/kg	ND	63.8	70J	98	70-130	
Benzene	ug/kg	ND	31.9	28.1	88	50-166	
Bromobenzene	ug/kg	ND	31.9	32.2	101	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

MATRIX SPIKE SAMPLE: 1700652

Parameter	Units	92291962010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/kg	ND	31.9	28.3	89	70-130	
Bromodichloromethane	ug/kg	ND	31.9	28.6	90	70-130	
Bromoform	ug/kg	ND	31.9	29.0	91	70-130	
Bromomethane	ug/kg	ND	31.9	36.4	114	70-130	
Carbon tetrachloride	ug/kg	ND	31.9	26.5	83	70-130	
Chlorobenzene	ug/kg	ND	31.9	31.6	99	43-169	
Chloroethane	ug/kg	ND	31.9	31.3	98	70-130	
Chloroform	ug/kg	ND	31.9	28.7	90	70-130	
Chloromethane	ug/kg	ND	31.9	27.4	86	70-130	
cis-1,2-Dichloroethene	ug/kg	ND	31.9	28.1	88	70-130	
cis-1,3-Dichloropropene	ug/kg	ND	31.9	28.8	90	70-130	
Dibromochloromethane	ug/kg	ND	31.9	31.4	98	70-130	
Dibromomethane	ug/kg	ND	31.9	27.7	87	70-130	
Dichlorodifluoromethane	ug/kg	ND	31.9	23.9	75	70-130	
Diisopropyl ether	ug/kg	ND	31.9	29.2	92	70-130	
Ethylbenzene	ug/kg	ND	31.9	32.8	103	70-130	
Hexachloro-1,3-butadiene	ug/kg	ND	31.9	31.0	97	70-130	
Isopropylbenzene (Cumene)	ug/kg	ND	31.9	34.0	107	70-130	
m&p-Xylene	ug/kg	ND	63.8	64.3	101	70-130	
Methyl-tert-butyl ether	ug/kg	ND	31.9	26.7	84	70-130	
Methylene Chloride	ug/kg	ND	31.9	30.4J	88	70-130	
n-Butylbenzene	ug/kg	ND	31.9	33.9	106	70-130	
n-Propylbenzene	ug/kg	ND	31.9	32.7	103	70-130	
Naphthalene	ug/kg	ND	31.9	28.1	88	70-130	
o-Xylene	ug/kg	ND	31.9	31.3	98	70-130	
p-Isopropyltoluene	ug/kg	ND	31.9	34.0	107	70-130	
sec-Butylbenzene	ug/kg	ND	31.9	33.7	106	70-130	
Styrene	ug/kg	ND	31.9	31.1	97	70-130	
tert-Butylbenzene	ug/kg	ND	31.9	30.4	95	70-130	
Tetrachloroethene	ug/kg	ND	31.9	27.4	86	70-130	
Toluene	ug/kg	ND	31.9	29.9	93	52-163	
trans-1,2-Dichloroethene	ug/kg	ND	31.9	28.8	90	70-130	
trans-1,3-Dichloropropene	ug/kg	ND	31.9	28.5	89	70-130	
Trichloroethene	ug/kg	ND	31.9	27.2	85	49-167	
Trichlorofluoromethane	ug/kg	ND	31.9	28.9	91	70-130	
Vinyl acetate	ug/kg	ND	63.8	33J	52	70-130	M1
Vinyl chloride	ug/kg	ND	31.9	29.9	94	70-130	
1,2-Dichloroethane-d4 (S)	%				98	70-132	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1700651

Parameter	Units	92292168001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

SAMPLE DUPLICATE: 1700651

Parameter	Units	92292168001 Result	Dup Result	RPD	Max RPD	Qualifiers
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	
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	ND	8.3J		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	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

SAMPLE DUPLICATE: 1700651

Parameter	Units	92292168001 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	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	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	102	25		
4-Bromofluorobenzene (S)	%	96	97	27		
Toluene-d8 (S)	%	102	102	26		

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: MSV/36215 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92291493012, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021

METHOD BLANK: 1700260 Matrix: Solid
Associated Lab Samples: 92291493012, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.9	04/01/16 19:08	
1,1,1-Trichloroethane	ug/kg	ND	5.9	04/01/16 19:08	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.9	04/01/16 19:08	
1,1,2-Trichloroethane	ug/kg	ND	5.9	04/01/16 19:08	
1,1-Dichloroethane	ug/kg	ND	5.9	04/01/16 19:08	
1,1-Dichloroethene	ug/kg	ND	5.9	04/01/16 19:08	
1,1-Dichloropropene	ug/kg	ND	5.9	04/01/16 19:08	
1,2,3-Trichlorobenzene	ug/kg	ND	5.9	04/01/16 19:08	
1,2,3-Trichloropropane	ug/kg	ND	5.9	04/01/16 19:08	
1,2,4-Trichlorobenzene	ug/kg	ND	5.9	04/01/16 19:08	
1,2,4-Trimethylbenzene	ug/kg	ND	5.9	04/01/16 19:08	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.9	04/01/16 19:08	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.9	04/01/16 19:08	
1,2-Dichlorobenzene	ug/kg	ND	5.9	04/01/16 19:08	
1,2-Dichloroethane	ug/kg	ND	5.9	04/01/16 19:08	
1,2-Dichloropropane	ug/kg	ND	5.9	04/01/16 19:08	
1,3,5-Trimethylbenzene	ug/kg	ND	5.9	04/01/16 19:08	
1,3-Dichlorobenzene	ug/kg	ND	5.9	04/01/16 19:08	
1,3-Dichloropropane	ug/kg	ND	5.9	04/01/16 19:08	
1,4-Dichlorobenzene	ug/kg	ND	5.9	04/01/16 19:08	
2,2-Dichloropropane	ug/kg	ND	5.9	04/01/16 19:08	
2-Butanone (MEK)	ug/kg	ND	118	04/01/16 19:08	
2-Chlorotoluene	ug/kg	ND	5.9	04/01/16 19:08	
2-Hexanone	ug/kg	ND	59.0	04/01/16 19:08	
4-Chlorotoluene	ug/kg	ND	5.9	04/01/16 19:08	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	59.0	04/01/16 19:08	
Acetone	ug/kg	ND	118	04/01/16 19:08	
Benzene	ug/kg	ND	5.9	04/01/16 19:08	
Bromobenzene	ug/kg	ND	5.9	04/01/16 19:08	
Bromochloromethane	ug/kg	ND	5.9	04/01/16 19:08	
Bromodichloromethane	ug/kg	ND	5.9	04/01/16 19:08	
Bromoform	ug/kg	ND	5.9	04/01/16 19:08	
Bromomethane	ug/kg	ND	11.8	04/01/16 19:08	
Carbon tetrachloride	ug/kg	ND	5.9	04/01/16 19:08	
Chlorobenzene	ug/kg	ND	5.9	04/01/16 19:08	
Chloroethane	ug/kg	ND	11.8	04/01/16 19:08	
Chloroform	ug/kg	ND	5.9	04/01/16 19:08	
Chloromethane	ug/kg	ND	11.8	04/01/16 19:08	
cis-1,2-Dichloroethene	ug/kg	ND	5.9	04/01/16 19:08	
cis-1,3-Dichloropropene	ug/kg	ND	5.9	04/01/16 19:08	
Dibromochloromethane	ug/kg	ND	5.9	04/01/16 19:08	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

METHOD BLANK: 1700260 Matrix: Solid
Associated Lab Samples: 92291493012, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	5.9	04/01/16 19:08	
Dichlorodifluoromethane	ug/kg	ND	11.8	04/01/16 19:08	
Diisopropyl ether	ug/kg	ND	5.9	04/01/16 19:08	
Ethylbenzene	ug/kg	ND	5.9	04/01/16 19:08	
Hexachloro-1,3-butadiene	ug/kg	ND	5.9	04/01/16 19:08	
Isopropylbenzene (Cumene)	ug/kg	ND	5.9	04/01/16 19:08	
m&p-Xylene	ug/kg	ND	11.8	04/01/16 19:08	
Methyl-tert-butyl ether	ug/kg	ND	5.9	04/01/16 19:08	
Methylene Chloride	ug/kg	ND	23.6	04/01/16 19:08	
n-Butylbenzene	ug/kg	ND	5.9	04/01/16 19:08	
n-Propylbenzene	ug/kg	ND	5.9	04/01/16 19:08	
Naphthalene	ug/kg	ND	5.9	04/01/16 19:08	
o-Xylene	ug/kg	ND	5.9	04/01/16 19:08	
p-Isopropyltoluene	ug/kg	ND	5.9	04/01/16 19:08	
sec-Butylbenzene	ug/kg	ND	5.9	04/01/16 19:08	
Styrene	ug/kg	ND	5.9	04/01/16 19:08	
tert-Butylbenzene	ug/kg	ND	5.9	04/01/16 19:08	
Tetrachloroethene	ug/kg	ND	5.9	04/01/16 19:08	
Toluene	ug/kg	ND	5.9	04/01/16 19:08	
trans-1,2-Dichloroethene	ug/kg	ND	5.9	04/01/16 19:08	
trans-1,3-Dichloropropene	ug/kg	ND	5.9	04/01/16 19:08	
Trichloroethene	ug/kg	ND	5.9	04/01/16 19:08	
Trichlorofluoromethane	ug/kg	ND	5.9	04/01/16 19:08	
Vinyl acetate	ug/kg	ND	59.0	04/01/16 19:08	
Vinyl chloride	ug/kg	ND	11.8	04/01/16 19:08	
Xylene (Total)	ug/kg	ND	11.8	04/01/16 19:08	
1,2-Dichloroethane-d4 (S)	%	100	70-132	04/01/16 19:08	
4-Bromofluorobenzene (S)	%	94	70-130	04/01/16 19:08	
Toluene-d8 (S)	%	102	70-130	04/01/16 19:08	

LABORATORY CONTROL SAMPLE: 1700261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	56.3	54.6	97	74-137	
1,1,1-Trichloroethane	ug/kg	56.3	54.7	97	67-140	
1,1,2,2-Tetrachloroethane	ug/kg	56.3	53.1	94	72-141	
1,1,2-Trichloroethane	ug/kg	56.3	53.1	94	78-138	
1,1-Dichloroethane	ug/kg	56.3	52.0	92	69-134	
1,1-Dichloroethene	ug/kg	56.3	54.4	97	67-138	
1,1-Dichloropropene	ug/kg	56.3	54.7	97	69-139	
1,2,3-Trichlorobenzene	ug/kg	56.3	53.6	95	70-146	
1,2,3-Trichloropropane	ug/kg	56.3	54.0	96	69-144	
1,2,4-Trichlorobenzene	ug/kg	56.3	51.6	92	68-148	
1,2,4-Trimethylbenzene	ug/kg	56.3	56.5	100	74-137	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1700261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	56.3	56.2	100	65-140	
1,2-Dibromoethane (EDB)	ug/kg	56.3	57.0	101	77-135	
1,2-Dichlorobenzene	ug/kg	56.3	54.7	97	77-141	
1,2-Dichloroethane	ug/kg	56.3	52.2	93	65-137	
1,2-Dichloropropane	ug/kg	56.3	55.3	98	72-136	
1,3,5-Trimethylbenzene	ug/kg	56.3	55.7	99	76-133	
1,3-Dichlorobenzene	ug/kg	56.3	54.7	97	74-138	
1,3-Dichloropropane	ug/kg	56.3	55.2	98	71-139	
1,4-Dichlorobenzene	ug/kg	56.3	54.7	97	76-138	
2,2-Dichloropropane	ug/kg	56.3	53.1	94	68-137	
2-Butanone (MEK)	ug/kg	113	116	103	58-147	
2-Chlorotoluene	ug/kg	56.3	55.3	98	73-139	
2-Hexanone	ug/kg	113	123	109	62-145	
4-Chlorotoluene	ug/kg	56.3	55.0	98	76-141	
4-Methyl-2-pentanone (MIBK)	ug/kg	113	122	108	64-149	
Acetone	ug/kg	113	125	111	53-153	
Benzene	ug/kg	56.3	54.0	96	73-135	
Bromobenzene	ug/kg	56.3	56.8	101	75-133	
Bromochloromethane	ug/kg	56.3	53.1	94	73-134	
Bromodichloromethane	ug/kg	56.3	53.2	94	71-135	
Bromoform	ug/kg	56.3	54.2	96	66-141	
Bromomethane	ug/kg	56.3	61.0	108	53-160	
Carbon tetrachloride	ug/kg	56.3	52.6	93	60-145	
Chlorobenzene	ug/kg	56.3	54.3	96	78-130	
Chloroethane	ug/kg	56.3	59.8	106	64-149	
Chloroform	ug/kg	56.3	54.9	98	70-134	
Chloromethane	ug/kg	56.3	62.0	110	52-150	
cis-1,2-Dichloroethene	ug/kg	56.3	53.9	96	70-133	
cis-1,3-Dichloropropene	ug/kg	56.3	54.3	96	68-134	
Dibromochloromethane	ug/kg	56.3	55.5	99	71-138	
Dibromomethane	ug/kg	56.3	52.4	93	74-130	
Dichlorodifluoromethane	ug/kg	56.3	54.8	97	40-160	
Diisopropyl ether	ug/kg	56.3	58.8	104	69-141	
Ethylbenzene	ug/kg	56.3	54.6	97	75-133	
Hexachloro-1,3-butadiene	ug/kg	56.3	50.4	90	68-143	
Isopropylbenzene (Cumene)	ug/kg	56.3	53.4	95	76-143	
m&p-Xylene	ug/kg	113	107	95	75-136	
Methyl-tert-butyl ether	ug/kg	56.3	56.4	100	68-144	
Methylene Chloride	ug/kg	56.3	59.3	105	45-154	
n-Butylbenzene	ug/kg	56.3	54.4	97	72-137	
n-Propylbenzene	ug/kg	56.3	54.8	97	76-136	
Naphthalene	ug/kg	56.3	58.5	104	68-151	
o-Xylene	ug/kg	56.3	52.7	94	76-141	
p-Isopropyltoluene	ug/kg	56.3	54.5	97	76-140	
sec-Butylbenzene	ug/kg	56.3	54.9	98	79-139	
Styrene	ug/kg	56.3	54.3	96	79-137	
tert-Butylbenzene	ug/kg	56.3	51.2	91	74-143	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1700261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	56.3	42.3	75	71-138	
Toluene	ug/kg	56.3	53.8	96	74-131	
trans-1,2-Dichloroethene	ug/kg	56.3	55.3	98	67-135	
trans-1,3-Dichloropropene	ug/kg	56.3	54.1	96	65-146	
Trichloroethene	ug/kg	56.3	54.9	98	67-135	
Trichlorofluoromethane	ug/kg	56.3	56.0	99	59-144	
Vinyl acetate	ug/kg	113	68.7	61	40-160	F3
Vinyl chloride	ug/kg	56.3	60.2	107	56-141	
Xylene (Total)	ug/kg	169	159	94	76-137	
1,2-Dichloroethane-d4 (S)	%			105	70-132	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 1700663

Parameter	Units	92291493017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	25.2	18.9	75	70-130	
1,1,1-Trichloroethane	ug/kg	ND	25.2	21.3	84	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	ND	25.2	18.0	71	70-130	
1,1,2-Trichloroethane	ug/kg	ND	25.2	18.0	71	70-130	
1,1-Dichloroethane	ug/kg	ND	25.2	20.3	80	70-130	
1,1-Dichloroethene	ug/kg	ND	25.2	22.3	88	49-180	
1,1-Dichloropropene	ug/kg	ND	25.2	21.6	85	70-130	
1,2,3-Trichlorobenzene	ug/kg	ND	25.2	13.6	54	70-130	M1
1,2,3-Trichloropropane	ug/kg	ND	25.2	16.6	66	70-130	M1
1,2,4-Trichlorobenzene	ug/kg	ND	25.2	14.2	56	70-130	M1
1,2,4-Trimethylbenzene	ug/kg	ND	25.2	19.6	78	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	ND	25.2	15.9	63	70-130	M1
1,2-Dibromoethane (EDB)	ug/kg	ND	25.2	19.1	76	70-130	
1,2-Dichlorobenzene	ug/kg	ND	25.2	17.3	68	70-130	M1
1,2-Dichloroethane	ug/kg	ND	25.2	18.8	74	70-130	
1,2-Dichloropropane	ug/kg	ND	25.2	19.4	77	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	25.2	19.9	79	70-130	
1,3-Dichlorobenzene	ug/kg	ND	25.2	18.1	72	70-130	
1,3-Dichloropropane	ug/kg	ND	25.2	18.4	73	70-130	
1,4-Dichlorobenzene	ug/kg	ND	25.2	17.5	69	70-130	M1
2,2-Dichloropropane	ug/kg	ND	25.2	19.8	78	70-130	
2-Butanone (MEK)	ug/kg	ND	50.6	35.9J	71	70-130	
2-Chlorotoluene	ug/kg	ND	25.2	20.0	79	70-130	
2-Hexanone	ug/kg	ND	50.6	34.9J	69	70-130	M1
4-Chlorotoluene	ug/kg	ND	25.2	18.6	74	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.6	36.5J	72	70-130	
Acetone	ug/kg	ND	50.6	62.5J	90	70-130	
Benzene	ug/kg	ND	25.2	20.7	82	50-166	
Bromobenzene	ug/kg	ND	25.2	18.4	73	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

MATRIX SPIKE SAMPLE: 1700663

Parameter	Units	92291493017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/kg	ND	25.2	18.1	72	70-130	
Bromodichloromethane	ug/kg	ND	25.2	18.4	73	70-130	
Bromoform	ug/kg	ND	25.2	15.4	61	70-130	M1
Bromomethane	ug/kg	ND	25.2	26.0	103	70-130	
Carbon tetrachloride	ug/kg	ND	25.2	20.4	81	70-130	
Chlorobenzene	ug/kg	ND	25.2	19.8	78	43-169	
Chloroethane	ug/kg	ND	25.2	23.7	94	70-130	
Chloroform	ug/kg	ND	25.2	20.9	83	70-130	
Chloromethane	ug/kg	ND	25.2	21.0	83	70-130	
cis-1,2-Dichloroethene	ug/kg	ND	25.2	20.4	81	70-130	
cis-1,3-Dichloropropene	ug/kg	ND	25.2	18.0	71	70-130	
Dibromochloromethane	ug/kg	ND	25.2	18.0	71	70-130	
Dibromomethane	ug/kg	ND	25.2	18.7	74	70-130	
Dichlorodifluoromethane	ug/kg	ND	25.2	20.0	79	70-130	
Diisopropyl ether	ug/kg	ND	25.2	20.9	83	70-130	
Ethylbenzene	ug/kg	ND	25.2	21.2	84	70-130	
Hexachloro-1,3-butadiene	ug/kg	ND	25.2	17.7	70	70-130	
Isopropylbenzene (Cumene)	ug/kg	ND	25.2	20.8	82	70-130	
m&p-Xylene	ug/kg	ND	50.6	41.2	82	70-130	
Methyl-tert-butyl ether	ug/kg	ND	25.2	19.4	77	70-130	
Methylene Chloride	ug/kg	ND	25.2	22.2J	46	70-130	M1
n-Butylbenzene	ug/kg	ND	25.2	19.9	79	70-130	
n-Propylbenzene	ug/kg	ND	25.2	20.2	80	70-130	
Naphthalene	ug/kg	ND	25.2	13.6	54	70-130	M1
o-Xylene	ug/kg	ND	25.2	19.6	78	70-130	
p-Isopropyltoluene	ug/kg	ND	25.2	20.6	82	70-130	
sec-Butylbenzene	ug/kg	ND	25.2	20.5	81	70-130	
Styrene	ug/kg	ND	25.2	18.3	72	70-130	
tert-Butylbenzene	ug/kg	ND	25.2	18.5	73	70-130	
Tetrachloroethene	ug/kg	ND	25.2	19.8	78	70-130	
Toluene	ug/kg	ND	25.2	21.0	82	52-163	
trans-1,2-Dichloroethene	ug/kg	ND	25.2	21.5	85	70-130	
trans-1,3-Dichloropropene	ug/kg	ND	25.2	16.6	66	70-130	M1
Trichloroethene	ug/kg	ND	25.2	20.0	79	49-167	
Trichlorofluoromethane	ug/kg	ND	25.2	24.8	98	70-130	
Vinyl acetate	ug/kg	ND	50.6	ND	22	70-130	M1
Vinyl chloride	ug/kg	ND	25.2	23.3	92	70-130	
1,2-Dichloroethane-d4 (S)	%				98	70-132	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				102	70-130	

SAMPLE DUPLICATE: 1700662

Parameter	Units	92291493012 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

SAMPLE DUPLICATE: 1700662

Parameter	Units	92291493012 Result	Dup Result	RPD	Max RPD	Qualifiers
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	
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	ND	18.6J		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	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

SAMPLE DUPLICATE: 1700662

Parameter	Units	92291493012 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	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	57.9	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	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	97	98	11		
4-Bromofluorobenzene (S)	%	89	96	19		
Toluene-d8 (S)	%	99	100	12		

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: OEXT/41621 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493005, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014

METHOD BLANK: 1695942 Matrix: Solid
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493005, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	03/28/16 14:40	
1,2-Dichlorobenzene	ug/kg	ND	330	03/28/16 14:40	
1,3-Dichlorobenzene	ug/kg	ND	330	03/28/16 14:40	
1,4-Dichlorobenzene	ug/kg	ND	330	03/28/16 14:40	
1-Methylnaphthalene	ug/kg	ND	330	03/28/16 14:40	
2,4,5-Trichlorophenol	ug/kg	ND	330	03/28/16 14:40	
2,4,6-Trichlorophenol	ug/kg	ND	330	03/28/16 14:40	
2,4-Dichlorophenol	ug/kg	ND	330	03/28/16 14:40	
2,4-Dimethylphenol	ug/kg	ND	330	03/28/16 14:40	
2,4-Dinitrophenol	ug/kg	ND	1650	03/28/16 14:40	
2,4-Dinitrotoluene	ug/kg	ND	330	03/28/16 14:40	
2,6-Dinitrotoluene	ug/kg	ND	330	03/28/16 14:40	
2-Chloronaphthalene	ug/kg	ND	330	03/28/16 14:40	
2-Chlorophenol	ug/kg	ND	330	03/28/16 14:40	
2-Methylnaphthalene	ug/kg	ND	330	03/28/16 14:40	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	03/28/16 14:40	
2-Nitroaniline	ug/kg	ND	1650	03/28/16 14:40	
2-Nitrophenol	ug/kg	ND	330	03/28/16 14:40	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	03/28/16 14:40	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	03/28/16 14:40	
3-Nitroaniline	ug/kg	ND	1650	03/28/16 14:40	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	03/28/16 14:40	
4-Bromophenylphenyl ether	ug/kg	ND	330	03/28/16 14:40	
4-Chloro-3-methylphenol	ug/kg	ND	660	03/28/16 14:40	
4-Chloroaniline	ug/kg	ND	1650	03/28/16 14:40	
4-Chlorophenylphenyl ether	ug/kg	ND	330	03/28/16 14:40	
4-Nitroaniline	ug/kg	ND	660	03/28/16 14:40	
4-Nitrophenol	ug/kg	ND	1650	03/28/16 14:40	
Acenaphthene	ug/kg	ND	330	03/28/16 14:40	
Acenaphthylene	ug/kg	ND	330	03/28/16 14:40	
Aniline	ug/kg	ND	330	03/28/16 14:40	
Anthracene	ug/kg	ND	330	03/28/16 14:40	
Benzo(a)anthracene	ug/kg	ND	330	03/28/16 14:40	
Benzo(a)pyrene	ug/kg	ND	330	03/28/16 14:40	
Benzo(b)fluoranthene	ug/kg	ND	330	03/28/16 14:40	
Benzo(g,h,i)perylene	ug/kg	ND	330	03/28/16 14:40	
Benzo(k)fluoranthene	ug/kg	ND	330	03/28/16 14:40	
Benzoic Acid	ug/kg	ND	1650	03/28/16 14:40	
Benzyl alcohol	ug/kg	ND	660	03/28/16 14:40	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	03/28/16 14:40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

METHOD BLANK: 1695942 Matrix: Solid

Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493005, 92291493007, 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroethyl) ether	ug/kg	ND	330	03/28/16 14:40	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	03/28/16 14:40	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	03/28/16 14:40	
Butylbenzylphthalate	ug/kg	ND	330	03/28/16 14:40	
Chrysene	ug/kg	ND	330	03/28/16 14:40	
Di-n-butylphthalate	ug/kg	ND	330	03/28/16 14:40	
Di-n-octylphthalate	ug/kg	ND	330	03/28/16 14:40	
Dibenz(a,h)anthracene	ug/kg	ND	330	03/28/16 14:40	
Dibenzofuran	ug/kg	ND	330	03/28/16 14:40	
Diethylphthalate	ug/kg	ND	330	03/28/16 14:40	
Dimethylphthalate	ug/kg	ND	330	03/28/16 14:40	
Fluoranthene	ug/kg	ND	330	03/28/16 14:40	
Fluorene	ug/kg	ND	330	03/28/16 14:40	
Hexachloro-1,3-butadiene	ug/kg	ND	330	03/28/16 14:40	
Hexachlorobenzene	ug/kg	ND	330	03/28/16 14:40	
Hexachlorocyclopentadiene	ug/kg	ND	330	03/28/16 14:40	
Hexachloroethane	ug/kg	ND	330	03/28/16 14:40	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	03/28/16 14:40	
Isophorone	ug/kg	ND	330	03/28/16 14:40	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	03/28/16 14:40	
N-Nitrosodimethylamine	ug/kg	ND	330	03/28/16 14:40	
N-Nitrosodiphenylamine	ug/kg	ND	330	03/28/16 14:40	
Naphthalene	ug/kg	ND	330	03/28/16 14:40	
Nitrobenzene	ug/kg	ND	330	03/28/16 14:40	
Pentachlorophenol	ug/kg	ND	1650	03/28/16 14:40	
Phenanthrene	ug/kg	ND	330	03/28/16 14:40	
Phenol	ug/kg	ND	330	03/28/16 14:40	
Pyrene	ug/kg	ND	330	03/28/16 14:40	
2,4,6-Tribromophenol (S)	%	78	27-110	03/28/16 14:40	
2-Fluorobiphenyl (S)	%	70	30-110	03/28/16 14:40	
2-Fluorophenol (S)	%	83	13-110	03/28/16 14:40	
Nitrobenzene-d5 (S)	%	78	23-110	03/28/16 14:40	
Phenol-d6 (S)	%	77	22-110	03/28/16 14:40	
Terphenyl-d14 (S)	%	91	28-110	03/28/16 14:40	

LABORATORY CONTROL SAMPLE: 1695943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1330	80	36-120	
1,2-Dichlorobenzene	ug/kg	1670	1380	83	41-120	
1,3-Dichlorobenzene	ug/kg	1670	1400	84	66-120	
1,4-Dichlorobenzene	ug/kg	1670	1360	81	42-120	
1-Methylnaphthalene	ug/kg	1670	1300	78	40-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1695943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-Trichlorophenol	ug/kg	1670	1390	84	37-120	
2,4,6-Trichlorophenol	ug/kg	1670	1440	87	40-120	
2,4-Dichlorophenol	ug/kg	1670	1380	83	33-120	
2,4-Dimethylphenol	ug/kg	1670	1360	82	36-120	
2,4-Dinitrophenol	ug/kg	8330	5950	71	22-121	
2,4-Dinitrotoluene	ug/kg	1670	1520	91	60-120	
2,6-Dinitrotoluene	ug/kg	1670	1450	87	54-120	
2-Chloronaphthalene	ug/kg	1670	1310	78	41-120	
2-Chlorophenol	ug/kg	1670	1560	94	39-120	
2-Methylnaphthalene	ug/kg	1670	1260	76	26-120	
2-Methylphenol(o-Cresol)	ug/kg	1670	1470	88	41-120	
2-Nitroaniline	ug/kg	3330	2340	70	45-120	
2-Nitrophenol	ug/kg	1670	1440	87	35-120	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1390	83	35-120	
3,3'-Dichlorobenzidine	ug/kg	3330	2920	88	16-125	
3-Nitroaniline	ug/kg	3330	2690	81	45-120	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2580	78	46-120	
4-Bromophenylphenyl ether	ug/kg	1670	1360	82	36-120	
4-Chloro-3-methylphenol	ug/kg	3330	3040	91	37-120	
4-Chloroaniline	ug/kg	3330	2480	74	35-120	
4-Chlorophenylphenyl ether	ug/kg	1670	1360	82	30-120	
4-Nitroaniline	ug/kg	3330	2760	83	48-120	
4-Nitrophenol	ug/kg	8330	7310	88	43-120	
Acenaphthene	ug/kg	1670	1190	72	46-120	
Acenaphthylene	ug/kg	1670	1270	76	46-120	
Aniline	ug/kg	1670	1350	81	33-120	
Anthracene	ug/kg	1670	1250	75	63-120	
Benzo(a)anthracene	ug/kg	1670	1400	84	61-120	
Benzo(a)pyrene	ug/kg	1670	1350	81	59-120	
Benzo(b)fluoranthene	ug/kg	1670	1280	77	55-120	
Benzo(g,h,i)perylene	ug/kg	1670	1220	73	57-120	
Benzo(k)fluoranthene	ug/kg	1670	1230	74	56-120	
Benzoic Acid	ug/kg	8330	4990	60	13-120	
Benzyl alcohol	ug/kg	3330	2860	86	34-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	1230	74	21-120	
bis(2-Chloroethyl) ether	ug/kg	1670	1440	86	25-120	
bis(2-Chloroisopropyl) ether	ug/kg	1670	907	54	13-120	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1550	93	56-123	
Butylbenzylphthalate	ug/kg	1670	1590	95	57-120	
Chrysene	ug/kg	1670	1330	80	64-120	
Di-n-butylphthalate	ug/kg	1670	1460	87	58-120	
Di-n-octylphthalate	ug/kg	1670	1540	93	47-121	
Dibenz(a,h)anthracene	ug/kg	1670	1290	77	56-120	
Dibenzofuran	ug/kg	1670	1390	83	43-120	
Diethylphthalate	ug/kg	1670	1410	85	55-120	
Dimethylphthalate	ug/kg	1670	1360	82	54-120	
Fluoranthene	ug/kg	1670	1340	80	61-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1695943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/kg	1670	1350	81	51-120	
Hexachloro-1,3-butadiene	ug/kg	1670	1360	82	22-120	
Hexachlorobenzene	ug/kg	1670	1330	80	53-120	
Hexachlorocyclopentadiene	ug/kg	1670	673	40	18-150	
Hexachloroethane	ug/kg	1670	1470	88	39-120	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1400	84	58-120	
Isophorone	ug/kg	1670	1200	72	38-120	
N-Nitroso-di-n-propylamine	ug/kg	1670	1320	79	30-120	
N-Nitrosodimethylamine	ug/kg	1670	1350	81	32-120	
N-Nitrosodiphenylamine	ug/kg	1670	1190	71	50-120	
Naphthalene	ug/kg	1670	1190	71	38-120	
Nitrobenzene	ug/kg	1670	1180	71	37-120	
Pentachlorophenol	ug/kg	3330	2550	76	10-120	
Phenanthrene	ug/kg	1670	1220	73	62-120	
Phenol	ug/kg	1670	1630	98	37-120	
Pyrene	ug/kg	1670	1220	73	63-120	
2,4,6-Tribromophenol (S)	%			86	27-110	
2-Fluorobiphenyl (S)	%			72	30-110	
2-Fluorophenol (S)	%			89	13-110	
Nitrobenzene-d5 (S)	%			75	23-110	
Phenol-d6 (S)	%			88	22-110	
Terphenyl-d14 (S)	%			84	28-110	

MATRIX SPIKE SAMPLE: 1695944

Parameter	Units	92291493001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	2080	1410	68	18-119	
1,2-Dichlorobenzene	ug/kg	ND	2080	1410	68	50-110	
1,3-Dichlorobenzene	ug/kg	ND	2080	1430	69	27-110	
1,4-Dichlorobenzene	ug/kg	ND	2080	1410	68	28-110	
1-Methylnaphthalene	ug/kg	ND	2080	1350	65	24-116	
2,4,5-Trichlorophenol	ug/kg	ND	2080	1450	70	28-110	
2,4,6-Trichlorophenol	ug/kg	ND	2080	1600	77	17-117	
2,4-Dichlorophenol	ug/kg	ND	2080	1480	71	21-128	
2,4-Dimethylphenol	ug/kg	ND	2080	1520	73	10-120	
2,4-Dinitrophenol	ug/kg	ND	10400	6580	63	10-107	
2,4-Dinitrotoluene	ug/kg	ND	2080	1580	76	36-109	
2,6-Dinitrotoluene	ug/kg	ND	2080	1510	73	32-110	
2-Chloronaphthalene	ug/kg	ND	2080	1480	71	30-107	
2-Chlorophenol	ug/kg	ND	2080	1530	74	14-106	
2-Methylnaphthalene	ug/kg	ND	2080	1320	63	10-135	
2-Methylphenol(o-Cresol)	ug/kg	ND	2080	1480	71	10-124	
2-Nitroaniline	ug/kg	ND	4160	2780	67	26-116	
2-Nitrophenol	ug/kg	ND	2080	1530	74	28-103	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2080	1310	63	10-109	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

MATRIX SPIKE SAMPLE: 1695944

Parameter	Units	92291493001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
3,3'-Dichlorobenzidine	ug/kg	ND	4160	2360	57	10-150	
3-Nitroaniline	ug/kg	ND	4160	2700	65	22-110	
4,6-Dinitro-2-methylphenol	ug/kg	ND	4160	2860	69	13-121	
4-Bromophenylphenyl ether	ug/kg	ND	2080	1370	66	31-109	
4-Chloro-3-methylphenol	ug/kg	ND	4160	3070	74	13-128	
4-Chloroaniline	ug/kg	ND	4160	2420	58	18-102	
4-Chlorophenylphenyl ether	ug/kg	ND	2080	1440	69	29-112	
4-Nitroaniline	ug/kg	ND	4160	2780	67	16-111	
4-Nitrophenol	ug/kg	ND	10400	7520	72	14-135	
Acenaphthene	ug/kg	ND	2080	1380	66	26-114	
Acenaphthylene	ug/kg	ND	2080	1500	72	32-108	
Aniline	ug/kg	ND	2080	517	25	10-107	
Anthracene	ug/kg	ND	2080	1410	68	32-111	
Benzo(a)anthracene	ug/kg	ND	2080	1360	65	25-117	
Benzo(a)pyrene	ug/kg	ND	2080	1350	65	25-106	
Benzo(b)fluoranthene	ug/kg	ND	2080	1220	59	24-110	
Benzo(g,h,i)perylene	ug/kg	ND	2080	1330	64	19-112	
Benzo(k)fluoranthene	ug/kg	ND	2080	1240	59	24-114	
Benzoic Acid	ug/kg	ND	10400	5750	55	10-110	
Benzyl alcohol	ug/kg	ND	4160	2840	68	24-106	
bis(2-Chloroethoxy)methane	ug/kg	ND	2080	1400	67	13-119	
bis(2-Chloroethyl) ether	ug/kg	ND	2080	1430	69	10-134	
bis(2-Chloroisopropyl) ether	ug/kg	ND	2080	1250	60	10-113	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2080	1640	79	10-125	
Butylbenzylphthalate	ug/kg	ND	2080	1550	74	18-110	
Chrysene	ug/kg	ND	2080	1290	62	30-110	
Di-n-butylphthalate	ug/kg	ND	2080	1640	79	19-112	
Di-n-octylphthalate	ug/kg	ND	2080	1470	70	17-105	
Dibenz(a,h)anthracene	ug/kg	ND	2080	1390	67	23-111	
Dibenzofuran	ug/kg	ND	2080	1500	72	35-103	
Diethylphthalate	ug/kg	ND	2080	1520	73	27-113	
Dimethylphthalate	ug/kg	ND	2080	1520	73	26-111	
Fluoranthene	ug/kg	ND	2080	1360	65	33-109	
Fluorene	ug/kg	ND	2080	1460	70	32-113	
Hexachloro-1,3-butadiene	ug/kg	ND	2080	1350	65	16-116	
Hexachlorobenzene	ug/kg	ND	2080	1390	67	27-120	
Hexachlorocyclopentadiene	ug/kg	ND	2080	1350	65	10-108	
Hexachloroethane	ug/kg	ND	2080	1460	70	10-117	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2080	1460	70	10-122	
Isophorone	ug/kg	ND	2080	1450	70	28-114	
N-Nitroso-di-n-propylamine	ug/kg	ND	2080	1420	68	27-113	
N-Nitrosodimethylamine	ug/kg	ND	2080	1440	69	10-109	
N-Nitrosodiphenylamine	ug/kg	ND	2080	1370	66	10-128	
Naphthalene	ug/kg	ND	2080	1360	65	25-110	
Nitrobenzene	ug/kg	ND	2080	1420	68	18-114	
Pentachlorophenol	ug/kg	ND	4160	2650	64	10-122	
Phenanthrene	ug/kg	ND	2080	1390	67	30-114	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

MATRIX SPIKE SAMPLE: 1695944

Parameter	Units	92291493001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenol	ug/kg	ND	2080	1510	73	11-102	
Pyrene	ug/kg	ND	2080	1300	63	25-116	
2,4,6-Tribromophenol (S)	%				74	27-110	
2-Fluorobiphenyl (S)	%				70	30-110	
2-Fluorophenol (S)	%				73	13-110	
Nitrobenzene-d5 (S)	%				73	23-110	
Phenol-d6 (S)	%				71	22-110	
Terphenyl-d14 (S)	%				71	28-110	

SAMPLE DUPLICATE: 1695945

Parameter	Units	92291493002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
1-Methylnaphthalene	ug/kg	ND	ND		30	
2,4,5-Trichlorophenol	ug/kg	ND	ND		30	
2,4,6-Trichlorophenol	ug/kg	ND	ND		30	
2,4-Dichlorophenol	ug/kg	ND	ND		30	
2,4-Dimethylphenol	ug/kg	ND	ND		30	
2,4-Dinitrophenol	ug/kg	ND	ND		30	
2,4-Dinitrotoluene	ug/kg	ND	ND		30	
2,6-Dinitrotoluene	ug/kg	ND	ND		30	
2-Chloronaphthalene	ug/kg	ND	ND		30	
2-Chlorophenol	ug/kg	ND	ND		30	
2-Methylnaphthalene	ug/kg	ND	ND		30	
2-Methylphenol(o-Cresol)	ug/kg	ND	ND		30	
2-Nitroaniline	ug/kg	ND	ND		30	
2-Nitrophenol	ug/kg	ND	ND		30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	ND		30	
3,3'-Dichlorobenzidine	ug/kg	ND	ND		30	
3-Nitroaniline	ug/kg	ND	ND		30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	ND		30	
4-Bromophenylphenyl ether	ug/kg	ND	ND		30	
4-Chloro-3-methylphenol	ug/kg	ND	ND		30	
4-Chloroaniline	ug/kg	ND	ND		30	
4-Chlorophenylphenyl ether	ug/kg	ND	ND		30	
4-Nitroaniline	ug/kg	ND	ND		30	
4-Nitrophenol	ug/kg	ND	ND		30	
Acenaphthene	ug/kg	ND	ND		30	
Acenaphthylene	ug/kg	ND	ND		30	
Aniline	ug/kg	ND	ND		30	
Anthracene	ug/kg	ND	ND		30	
Benzo(a)anthracene	ug/kg	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

SAMPLE DUPLICATE: 1695945

Parameter	Units	92291493002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzo(a)pyrene	ug/kg	ND	ND		30	
Benzo(b)fluoranthene	ug/kg	ND	ND		30	
Benzo(g,h,i)perylene	ug/kg	ND	ND		30	
Benzo(k)fluoranthene	ug/kg	ND	ND		30	
Benzoic Acid	ug/kg	ND	ND		30	
Benzyl alcohol	ug/kg	ND	ND		30	
bis(2-Chloroethoxy)methane	ug/kg	ND	ND		30	
bis(2-Chloroethyl) ether	ug/kg	ND	ND		30	
bis(2-Chloroisopropyl) ether	ug/kg	ND	ND		30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	ND		30	
Butylbenzylphthalate	ug/kg	ND	ND		30	
Chrysene	ug/kg	ND	ND		30	
Di-n-butylphthalate	ug/kg	ND	ND		30	
Di-n-octylphthalate	ug/kg	ND	ND		30	
Dibenz(a,h)anthracene	ug/kg	ND	ND		30	
Dibenzofuran	ug/kg	ND	ND		30	
Diethylphthalate	ug/kg	ND	ND		30	
Dimethylphthalate	ug/kg	ND	ND		30	
Fluoranthene	ug/kg	ND	ND		30	
Fluorene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Hexachlorobenzene	ug/kg	ND	ND		30	
Hexachlorocyclopentadiene	ug/kg	ND	ND		30	
Hexachloroethane	ug/kg	ND	ND		30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	ND		30	
Isophorone	ug/kg	ND	ND		30	
N-Nitroso-di-n-propylamine	ug/kg	ND	ND		30	
N-Nitrosodimethylamine	ug/kg	ND	ND		30	
N-Nitrosodiphenylamine	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
Nitrobenzene	ug/kg	ND	ND		30	
Pentachlorophenol	ug/kg	ND	ND		30	
Phenanthrene	ug/kg	ND	ND		30	
Phenol	ug/kg	ND	ND		30	
Pyrene	ug/kg	ND	ND		30	
2,4,6-Tribromophenol (S)	%	71	87	21		
2-Fluorobiphenyl (S)	%	63	81	24		
2-Fluorophenol (S)	%	64	75	16		
Nitrobenzene-d5 (S)	%	65	79	20		
Phenol-d6 (S)	%	65	82	23		
Terphenyl-d14 (S)	%	80	95	17		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: OEXT/41637 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021, 92291493022

METHOD BLANK: 1696410 Matrix: Solid
Associated Lab Samples: 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021, 92291493022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	03/31/16 11:19	
1,2-Dichlorobenzene	ug/kg	ND	330	03/31/16 11:19	
1,3-Dichlorobenzene	ug/kg	ND	330	03/31/16 11:19	
1,4-Dichlorobenzene	ug/kg	ND	330	03/31/16 11:19	
1-Methylnaphthalene	ug/kg	ND	330	03/31/16 11:19	
2,4,5-Trichlorophenol	ug/kg	ND	330	03/31/16 11:19	
2,4,6-Trichlorophenol	ug/kg	ND	330	03/31/16 11:19	
2,4-Dichlorophenol	ug/kg	ND	330	03/31/16 11:19	
2,4-Dimethylphenol	ug/kg	ND	330	03/31/16 11:19	
2,4-Dinitrophenol	ug/kg	ND	1650	03/31/16 11:19	
2,4-Dinitrotoluene	ug/kg	ND	330	03/31/16 11:19	
2,6-Dinitrotoluene	ug/kg	ND	330	03/31/16 11:19	
2-Chloronaphthalene	ug/kg	ND	330	03/31/16 11:19	
2-Chlorophenol	ug/kg	ND	330	03/31/16 11:19	
2-Methylnaphthalene	ug/kg	ND	330	03/31/16 11:19	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	03/31/16 11:19	
2-Nitroaniline	ug/kg	ND	1650	03/31/16 11:19	
2-Nitrophenol	ug/kg	ND	330	03/31/16 11:19	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	03/31/16 11:19	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	03/31/16 11:19	
3-Nitroaniline	ug/kg	ND	1650	03/31/16 11:19	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	03/31/16 11:19	
4-Bromophenylphenyl ether	ug/kg	ND	330	03/31/16 11:19	
4-Chloro-3-methylphenol	ug/kg	ND	660	03/31/16 11:19	
4-Chloroaniline	ug/kg	ND	1650	03/31/16 11:19	
4-Chlorophenylphenyl ether	ug/kg	ND	330	03/31/16 11:19	
4-Nitroaniline	ug/kg	ND	660	03/31/16 11:19	
4-Nitrophenol	ug/kg	ND	1650	03/31/16 11:19	
Acenaphthene	ug/kg	ND	330	03/31/16 11:19	
Acenaphthylene	ug/kg	ND	330	03/31/16 11:19	
Aniline	ug/kg	ND	330	03/31/16 11:19	
Anthracene	ug/kg	ND	330	03/31/16 11:19	
Benzo(a)anthracene	ug/kg	ND	330	03/31/16 11:19	
Benzo(a)pyrene	ug/kg	ND	330	03/31/16 11:19	
Benzo(b)fluoranthene	ug/kg	ND	330	03/31/16 11:19	
Benzo(g,h,i)perylene	ug/kg	ND	330	03/31/16 11:19	
Benzo(k)fluoranthene	ug/kg	ND	330	03/31/16 11:19	
Benzoic Acid	ug/kg	ND	1650	03/31/16 11:19	
Benzyl alcohol	ug/kg	ND	660	03/31/16 11:19	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	03/31/16 11:19	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

METHOD BLANK: 1696410 Matrix: Solid
Associated Lab Samples: 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021, 92291493022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroethyl) ether	ug/kg	ND	330	03/31/16 11:19	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	03/31/16 11:19	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	03/31/16 11:19	
Butylbenzylphthalate	ug/kg	ND	330	03/31/16 11:19	
Chrysene	ug/kg	ND	330	03/31/16 11:19	
Di-n-butylphthalate	ug/kg	ND	330	03/31/16 11:19	
Di-n-octylphthalate	ug/kg	ND	330	03/31/16 11:19	
Dibenz(a,h)anthracene	ug/kg	ND	330	03/31/16 11:19	
Dibenzofuran	ug/kg	ND	330	03/31/16 11:19	
Diethylphthalate	ug/kg	ND	330	03/31/16 11:19	
Dimethylphthalate	ug/kg	ND	330	03/31/16 11:19	
Fluoranthene	ug/kg	ND	330	03/31/16 11:19	
Fluorene	ug/kg	ND	330	03/31/16 11:19	
Hexachloro-1,3-butadiene	ug/kg	ND	330	03/31/16 11:19	
Hexachlorobenzene	ug/kg	ND	330	03/31/16 11:19	
Hexachlorocyclopentadiene	ug/kg	ND	330	03/31/16 11:19	
Hexachloroethane	ug/kg	ND	330	03/31/16 11:19	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	03/31/16 11:19	
Isophorone	ug/kg	ND	330	03/31/16 11:19	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	03/31/16 11:19	
N-Nitrosodimethylamine	ug/kg	ND	330	03/31/16 11:19	
N-Nitrosodiphenylamine	ug/kg	ND	330	03/31/16 11:19	
Naphthalene	ug/kg	ND	330	03/31/16 11:19	
Nitrobenzene	ug/kg	ND	330	03/31/16 11:19	
Pentachlorophenol	ug/kg	ND	1650	03/31/16 11:19	
Phenanthrene	ug/kg	ND	330	03/31/16 11:19	
Phenol	ug/kg	ND	330	03/31/16 11:19	
Pyrene	ug/kg	ND	330	03/31/16 11:19	
2,4,6-Tribromophenol (S)	%	92	27-110	03/31/16 11:19	
2-Fluorobiphenyl (S)	%	83	30-110	03/31/16 11:19	
2-Fluorophenol (S)	%	77	13-110	03/31/16 11:19	
Nitrobenzene-d5 (S)	%	57	23-110	03/31/16 11:19	
Phenol-d6 (S)	%	71	22-110	03/31/16 11:19	
Terphenyl-d14 (S)	%	84	28-110	03/31/16 11:19	

LABORATORY CONTROL SAMPLE: 1696411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1150	69	36-120	
1,2-Dichlorobenzene	ug/kg	1670	1260	75	41-120	
1,3-Dichlorobenzene	ug/kg	1670	1260	76	66-120	
1,4-Dichlorobenzene	ug/kg	1670	1250	75	42-120	
1-Methylnaphthalene	ug/kg	1670	1200	72	40-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1696411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-Trichlorophenol	ug/kg	1670	1270	76	37-120	
2,4,6-Trichlorophenol	ug/kg	1670	1340	81	40-120	
2,4-Dichlorophenol	ug/kg	1670	1300	78	33-120	
2,4-Dimethylphenol	ug/kg	1670	1270	76	36-120	
2,4-Dinitrophenol	ug/kg	8330	5690	68	22-121	
2,4-Dinitrotoluene	ug/kg	1670	1320	79	60-120	
2,6-Dinitrotoluene	ug/kg	1670	1270	76	54-120	
2-Chloronaphthalene	ug/kg	1670	1300	78	41-120	
2-Chlorophenol	ug/kg	1670	1330	80	39-120	
2-Methylnaphthalene	ug/kg	1670	1170	70	26-120	
2-Methylphenol(o-Cresol)	ug/kg	1670	1170	70	41-120	
2-Nitroaniline	ug/kg	3330	1800	54	45-120	
2-Nitrophenol	ug/kg	1670	1250	75	35-120	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1070	64	35-120	
3,3'-Dichlorobenzidine	ug/kg	3330	2410	72	16-125	
3-Nitroaniline	ug/kg	3330	2740	82	45-120	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2370	71	46-120	
4-Bromophenylphenyl ether	ug/kg	1670	1250	75	36-120	
4-Chloro-3-methylphenol	ug/kg	3330	2220	67	37-120	
4-Chloroaniline	ug/kg	3330	2370	71	35-120	
4-Chlorophenylphenyl ether	ug/kg	1670	1220	73	30-120	
4-Nitroaniline	ug/kg	3330	2920	87	48-120	
4-Nitrophenol	ug/kg	8330	4380	53	43-120	
Acenaphthene	ug/kg	1670	1260	76	46-120	
Acenaphthylene	ug/kg	1670	1370	82	46-120	
Aniline	ug/kg	1670	956	57	33-120	
Anthracene	ug/kg	1670	1240	75	63-120	
Benzo(a)anthracene	ug/kg	1670	1220	73	61-120	
Benzo(a)pyrene	ug/kg	1670	1260	76	59-120	
Benzo(b)fluoranthene	ug/kg	1670	1190	72	55-120	
Benzo(g,h,i)perylene	ug/kg	1670	1190	71	57-120	
Benzo(k)fluoranthene	ug/kg	1670	1240	75	56-120	
Benzoic Acid	ug/kg	8330	4380	53	13-120	
Benzyl alcohol	ug/kg	3330	2270	68	34-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	1010	61	21-120	
bis(2-Chloroethyl) ether	ug/kg	1670	1110	67	25-120	
bis(2-Chloroisopropyl) ether	ug/kg	1670	1140	69	13-120	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1330	80	56-123	
Butylbenzylphthalate	ug/kg	1670	1290	78	57-120	
Chrysene	ug/kg	1670	1240	74	64-120	
Di-n-butylphthalate	ug/kg	1670	1310	78	58-120	
Di-n-octylphthalate	ug/kg	1670	1240	74	47-121	
Dibenz(a,h)anthracene	ug/kg	1670	1250	75	56-120	
Dibenzofuran	ug/kg	1670	1380	83	43-120	
Diethylphthalate	ug/kg	1670	1310	79	55-120	
Dimethylphthalate	ug/kg	1670	1340	80	54-120	
Fluoranthene	ug/kg	1670	1190	71	61-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1696411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/kg	1670	1300	78	51-120	
Hexachloro-1,3-butadiene	ug/kg	1670	955	57	22-120	
Hexachlorobenzene	ug/kg	1670	1450	87	53-120	
Hexachlorocyclopentadiene	ug/kg	1670	633	38	18-150	
Hexachloroethane	ug/kg	1670	1050	63	39-120	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1300	78	58-120	
Isophorone	ug/kg	1670	932	56	38-120	
N-Nitroso-di-n-propylamine	ug/kg	1670	900	54	30-120	
N-Nitrosodimethylamine	ug/kg	1670	1010	61	32-120	
N-Nitrosodiphenylamine	ug/kg	1670	1280	77	50-120	
Naphthalene	ug/kg	1670	1170	70	38-120	
Nitrobenzene	ug/kg	1670	894	54	37-120	
Pentachlorophenol	ug/kg	3330	2300	69	10-120	
Phenanthrene	ug/kg	1670	1240	74	62-120	
Phenol	ug/kg	1670	1250	75	37-120	
Pyrene	ug/kg	1670	1220	73	63-120	
2,4,6-Tribromophenol (S)	%			95	27-110	
2-Fluorobiphenyl (S)	%			79	30-110	
2-Fluorophenol (S)	%			74	13-110	
Nitrobenzene-d5 (S)	%			54	23-110	
Phenol-d6 (S)	%			68	22-110	
Terphenyl-d14 (S)	%			83	28-110	

MATRIX SPIKE SAMPLE: 1696412

Parameter	Units	92291493015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	2240	1500	67	18-119	
1,2-Dichlorobenzene	ug/kg	ND	2240	1710	76	50-110	
1,3-Dichlorobenzene	ug/kg	ND	2240	1710	77	27-110	
1,4-Dichlorobenzene	ug/kg	ND	2240	1670	75	28-110	
1-Methylnaphthalene	ug/kg	ND	2240	1550	69	24-116	
2,4,5-Trichlorophenol	ug/kg	ND	2240	1600	71	28-110	
2,4,6-Trichlorophenol	ug/kg	ND	2240	1680	75	17-117	
2,4-Dichlorophenol	ug/kg	ND	2240	1680	75	21-128	
2,4-Dimethylphenol	ug/kg	ND	2240	1200	54	10-120	
2,4-Dinitrophenol	ug/kg	ND	11200	8230	74	10-107	
2,4-Dinitrotoluene	ug/kg	ND	2240	1610	72	36-109	
2,6-Dinitrotoluene	ug/kg	ND	2240	1600	71	32-110	
2-Chloronaphthalene	ug/kg	ND	2240	1640	73	30-107	
2-Chlorophenol	ug/kg	ND	2240	1800	81	14-106	
2-Methylnaphthalene	ug/kg	ND	2240	1520	68	10-135	
2-Methylphenol(o-Cresol)	ug/kg	ND	2240	1450	65	10-124	
2-Nitroaniline	ug/kg	ND	4470	2440	55	26-116	
2-Nitrophenol	ug/kg	ND	2240	1650	74	28-103	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2240	1340	60	10-109	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

MATRIX SPIKE SAMPLE: 1696412

Parameter	Units	92291493015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
3,3'-Dichlorobenzidine	ug/kg	ND	4470	467J	10	10-150	
3-Nitroaniline	ug/kg	ND	4470	2090J	47	22-110	
4,6-Dinitro-2-methylphenol	ug/kg	ND	4470	3030	68	13-121	
4-Bromophenylphenyl ether	ug/kg	ND	2240	1460	65	31-109	
4-Chloro-3-methylphenol	ug/kg	ND	4470	2880	64	13-128	
4-Chloroaniline	ug/kg	ND	4470	2200J	49	18-102	
4-Chlorophenylphenyl ether	ug/kg	ND	2240	1470	66	29-112	
4-Nitroaniline	ug/kg	ND	4470	2110	45	16-111	
4-Nitrophenol	ug/kg	ND	11200	6120	53	14-135	
Acenaphthene	ug/kg	ND	2240	1530	68	26-114	
Acenaphthylene	ug/kg	ND	2240	1650	74	32-108	
Aniline	ug/kg	ND	2240	353J	16	10-107	
Anthracene	ug/kg	ND	2240	1440	64	32-111	
Benzo(a)anthracene	ug/kg	ND	2240	1400	61	25-117	
Benzo(a)pyrene	ug/kg	ND	2240	1390	62	25-106	
Benzo(b)fluoranthene	ug/kg	ND	2240	1380	62	24-110	
Benzo(g,h,i)perylene	ug/kg	ND	2240	1400	62	19-112	
Benzo(k)fluoranthene	ug/kg	ND	2240	1410	63	24-114	
Benzoic Acid	ug/kg	ND	11200	5460	49	10-110	
Benzyl alcohol	ug/kg	ND	4470	3190	71	24-106	
bis(2-Chloroethoxy)methane	ug/kg	ND	2240	1140	51	13-119	
bis(2-Chloroethyl) ether	ug/kg	ND	2240	1490	66	10-134	
bis(2-Chloroisopropyl) ether	ug/kg	ND	2240	1560	70	10-113	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2240	1430	62	10-125	
Butylbenzylphthalate	ug/kg	ND	2240	1500	64	18-110	
Chrysene	ug/kg	ND	2240	1450	62	30-110	
Di-n-butylphthalate	ug/kg	ND	2240	1470	66	19-112	
Di-n-octylphthalate	ug/kg	ND	2240	1350	60	17-105	
Dibenz(a,h)anthracene	ug/kg	ND	2240	1420	63	23-111	
Dibenzofuran	ug/kg	ND	2240	1680	75	35-103	
Diethylphthalate	ug/kg	ND	2240	1560	70	27-113	
Dimethylphthalate	ug/kg	ND	2240	1650	74	26-111	
Fluoranthene	ug/kg	ND	2240	1410	61	33-109	
Fluorene	ug/kg	ND	2240	1580	70	32-113	
Hexachloro-1,3-butadiene	ug/kg	ND	2240	1210	54	16-116	
Hexachlorobenzene	ug/kg	ND	2240	1660	74	27-120	
Hexachlorocyclopentadiene	ug/kg	ND	2240	870	39	10-108	
Hexachloroethane	ug/kg	ND	2240	1410	63	10-117	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2240	1510	67	10-122	
Isophorone	ug/kg	ND	2240	1230	55	28-114	
N-Nitroso-di-n-propylamine	ug/kg	ND	2240	1250	56	27-113	
N-Nitrosodimethylamine	ug/kg	ND	2240	1370	61	10-109	
N-Nitrosodiphenylamine	ug/kg	ND	2240	1050	47	10-128	
Naphthalene	ug/kg	ND	2240	1510	68	25-110	
Nitrobenzene	ug/kg	ND	2240	1200	54	18-114	
Pentachlorophenol	ug/kg	ND	4470	2950	64	10-122	
Phenanthrene	ug/kg	ND	2240	1470	66	30-114	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

MATRIX SPIKE SAMPLE: 1696412

Parameter	Units	92291493015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenol	ug/kg	ND	2240	1610	72	11-102	
Pyrene	ug/kg	ND	2240	1420	61	25-116	
2,4,6-Tribromophenol (S)	%				83	27-110	
2-Fluorobiphenyl (S)	%				72	30-110	
2-Fluorophenol (S)	%				72	13-110	
Nitrobenzene-d5 (S)	%				53	23-110	
Phenol-d6 (S)	%				66	22-110	
Terphenyl-d14 (S)	%				68	28-110	

SAMPLE DUPLICATE: 1696413

Parameter	Units	92291493015 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
1-Methylnaphthalene	ug/kg	ND	ND		30	
2,4,5-Trichlorophenol	ug/kg	ND	ND		30	
2,4,6-Trichlorophenol	ug/kg	ND	ND		30	
2,4-Dichlorophenol	ug/kg	ND	ND		30	
2,4-Dimethylphenol	ug/kg	ND	ND		30	
2,4-Dinitrophenol	ug/kg	ND	ND		30	
2,4-Dinitrotoluene	ug/kg	ND	ND		30	
2,6-Dinitrotoluene	ug/kg	ND	ND		30	
2-Chloronaphthalene	ug/kg	ND	ND		30	
2-Chlorophenol	ug/kg	ND	ND		30	
2-Methylnaphthalene	ug/kg	ND	ND		30	
2-Methylphenol(o-Cresol)	ug/kg	ND	ND		30	
2-Nitroaniline	ug/kg	ND	ND		30	
2-Nitrophenol	ug/kg	ND	ND		30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	ND		30	
3,3'-Dichlorobenzidine	ug/kg	ND	ND		30	
3-Nitroaniline	ug/kg	ND	ND		30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	ND		30	
4-Bromophenylphenyl ether	ug/kg	ND	ND		30	
4-Chloro-3-methylphenol	ug/kg	ND	ND		30	
4-Chloroaniline	ug/kg	ND	ND		30	
4-Chlorophenylphenyl ether	ug/kg	ND	ND		30	
4-Nitroaniline	ug/kg	ND	ND		30	
4-Nitrophenol	ug/kg	ND	ND		30	
Acenaphthene	ug/kg	ND	ND		30	
Acenaphthylene	ug/kg	ND	ND		30	
Aniline	ug/kg	ND	ND		30	
Anthracene	ug/kg	ND	ND		30	
Benzo(a)anthracene	ug/kg	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

SAMPLE DUPLICATE: 1696413

Parameter	Units	92291493015 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzo(a)pyrene	ug/kg	ND	ND		30	
Benzo(b)fluoranthene	ug/kg	ND	ND		30	
Benzo(g,h,i)perylene	ug/kg	ND	ND		30	
Benzo(k)fluoranthene	ug/kg	ND	ND		30	
Benzoic Acid	ug/kg	ND	ND		30	
Benzyl alcohol	ug/kg	ND	ND		30	
bis(2-Chloroethoxy)methane	ug/kg	ND	ND		30	
bis(2-Chloroethyl) ether	ug/kg	ND	ND		30	
bis(2-Chloroisopropyl) ether	ug/kg	ND	ND		30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	ND		30	
Butylbenzylphthalate	ug/kg	ND	ND		30	
Chrysene	ug/kg	ND	ND		30	
Di-n-butylphthalate	ug/kg	ND	128J		30	
Di-n-octylphthalate	ug/kg	ND	ND		30	
Dibenz(a,h)anthracene	ug/kg	ND	ND		30	
Dibenzofuran	ug/kg	ND	ND		30	
Diethylphthalate	ug/kg	ND	ND		30	
Dimethylphthalate	ug/kg	ND	ND		30	
Fluoranthene	ug/kg	ND	ND		30	
Fluorene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Hexachlorobenzene	ug/kg	ND	ND		30	
Hexachlorocyclopentadiene	ug/kg	ND	ND		30	
Hexachloroethane	ug/kg	ND	ND		30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	ND		30	
Isophorone	ug/kg	ND	ND		30	
N-Nitroso-di-n-propylamine	ug/kg	ND	ND		30	
N-Nitrosodimethylamine	ug/kg	ND	ND		30	
N-Nitrosodiphenylamine	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
Nitrobenzene	ug/kg	ND	ND		30	
Pentachlorophenol	ug/kg	ND	ND		30	
Phenanthrene	ug/kg	ND	ND		30	
Phenol	ug/kg	ND	ND		30	
Pyrene	ug/kg	ND	ND		30	
2,4,6-Tribromophenol (S)	%	71	81	12		
2-Fluorobiphenyl (S)	%	63	67	7		
2-Fluorophenol (S)	%	66	48	32		
Nitrobenzene-d5 (S)	%	48	50	4		
Phenol-d6 (S)	%	58	51	12		
Terphenyl-d14 (S)	%	66	72	9		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: OEXT/41691 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92291493004, 92291493006

METHOD BLANK: 1698604 Matrix: Solid
Associated Lab Samples: 92291493004, 92291493006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	03/31/16 14:14	
1,2-Dichlorobenzene	ug/kg	ND	330	03/31/16 14:14	
1,3-Dichlorobenzene	ug/kg	ND	330	03/31/16 14:14	
1,4-Dichlorobenzene	ug/kg	ND	330	03/31/16 14:14	
1-Methylnaphthalene	ug/kg	ND	330	03/31/16 14:14	
2,4,5-Trichlorophenol	ug/kg	ND	330	03/31/16 14:14	
2,4,6-Trichlorophenol	ug/kg	ND	330	03/31/16 14:14	
2,4-Dichlorophenol	ug/kg	ND	330	03/31/16 14:14	
2,4-Dimethylphenol	ug/kg	ND	330	03/31/16 14:14	
2,4-Dinitrophenol	ug/kg	ND	1650	03/31/16 14:14	
2,4-Dinitrotoluene	ug/kg	ND	330	03/31/16 14:14	
2,6-Dinitrotoluene	ug/kg	ND	330	03/31/16 14:14	
2-Chloronaphthalene	ug/kg	ND	330	03/31/16 14:14	
2-Chlorophenol	ug/kg	ND	330	03/31/16 14:14	
2-Methylnaphthalene	ug/kg	ND	330	03/31/16 14:14	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	03/31/16 14:14	
2-Nitroaniline	ug/kg	ND	1650	03/31/16 14:14	
2-Nitrophenol	ug/kg	ND	330	03/31/16 14:14	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	03/31/16 14:14	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	03/31/16 14:14	
3-Nitroaniline	ug/kg	ND	1650	03/31/16 14:14	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	03/31/16 14:14	
4-Bromophenylphenyl ether	ug/kg	ND	330	03/31/16 14:14	
4-Chloro-3-methylphenol	ug/kg	ND	660	03/31/16 14:14	
4-Chloroaniline	ug/kg	ND	1650	03/31/16 14:14	
4-Chlorophenylphenyl ether	ug/kg	ND	330	03/31/16 14:14	
4-Nitroaniline	ug/kg	ND	660	03/31/16 14:14	
4-Nitrophenol	ug/kg	ND	1650	03/31/16 14:14	
Acenaphthene	ug/kg	ND	330	03/31/16 14:14	
Acenaphthylene	ug/kg	ND	330	03/31/16 14:14	
Aniline	ug/kg	ND	330	03/31/16 14:14	
Anthracene	ug/kg	ND	330	03/31/16 14:14	
Benzo(a)anthracene	ug/kg	ND	330	03/31/16 14:14	
Benzo(a)pyrene	ug/kg	ND	330	03/31/16 14:14	
Benzo(b)fluoranthene	ug/kg	ND	330	03/31/16 14:14	
Benzo(g,h,i)perylene	ug/kg	ND	330	03/31/16 14:14	
Benzo(k)fluoranthene	ug/kg	ND	330	03/31/16 14:14	
Benzoic Acid	ug/kg	ND	1650	03/31/16 14:14	
Benzyl alcohol	ug/kg	ND	660	03/31/16 14:14	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	03/31/16 14:14	
bis(2-Chloroethyl) ether	ug/kg	ND	330	03/31/16 14:14	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

METHOD BLANK: 1698604 Matrix: Solid
Associated Lab Samples: 92291493004, 92291493006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	03/31/16 14:14	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	03/31/16 14:14	
Butylbenzylphthalate	ug/kg	ND	330	03/31/16 14:14	
Chrysene	ug/kg	ND	330	03/31/16 14:14	
Di-n-butylphthalate	ug/kg	ND	330	03/31/16 14:14	
Di-n-octylphthalate	ug/kg	ND	330	03/31/16 14:14	
Dibenz(a,h)anthracene	ug/kg	ND	330	03/31/16 14:14	
Dibenzofuran	ug/kg	ND	330	03/31/16 14:14	
Diethylphthalate	ug/kg	ND	330	03/31/16 14:14	
Dimethylphthalate	ug/kg	ND	330	03/31/16 14:14	
Fluoranthene	ug/kg	ND	330	03/31/16 14:14	
Fluorene	ug/kg	ND	330	03/31/16 14:14	
Hexachloro-1,3-butadiene	ug/kg	ND	330	03/31/16 14:14	
Hexachlorobenzene	ug/kg	ND	330	03/31/16 14:14	
Hexachlorocyclopentadiene	ug/kg	ND	330	03/31/16 14:14	
Hexachloroethane	ug/kg	ND	330	03/31/16 14:14	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	03/31/16 14:14	
Isophorone	ug/kg	ND	330	03/31/16 14:14	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	03/31/16 14:14	
N-Nitrosodimethylamine	ug/kg	ND	330	03/31/16 14:14	
N-Nitrosodiphenylamine	ug/kg	ND	330	03/31/16 14:14	
Naphthalene	ug/kg	ND	330	03/31/16 14:14	
Nitrobenzene	ug/kg	ND	330	03/31/16 14:14	
Pentachlorophenol	ug/kg	ND	1650	03/31/16 14:14	
Phenanthrene	ug/kg	ND	330	03/31/16 14:14	
Phenol	ug/kg	ND	330	03/31/16 14:14	
Pyrene	ug/kg	ND	330	03/31/16 14:14	
2,4,6-Tribromophenol (S)	%	84	27-110	03/31/16 14:14	
2-Fluorobiphenyl (S)	%	84	30-110	03/31/16 14:14	
2-Fluorophenol (S)	%	82	13-110	03/31/16 14:14	
Nitrobenzene-d5 (S)	%	84	23-110	03/31/16 14:14	
Phenol-d6 (S)	%	86	22-110	03/31/16 14:14	
Terphenyl-d14 (S)	%	97	28-110	03/31/16 14:14	

LABORATORY CONTROL SAMPLE: 1698605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1370	82	36-120	
1,2-Dichlorobenzene	ug/kg	1670	1400	84	41-120	
1,3-Dichlorobenzene	ug/kg	1670	1400	84	66-120	
1,4-Dichlorobenzene	ug/kg	1670	1390	83	42-120	
1-Methylnaphthalene	ug/kg	1670	1330	80	40-120	
2,4,5-Trichlorophenol	ug/kg	1670	1450	87	37-120	
2,4,6-Trichlorophenol	ug/kg	1670	1590	95	40-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1698605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/kg	1670	1450	87	33-120	
2,4-Dimethylphenol	ug/kg	1670	1520	91	36-120	
2,4-Dinitrophenol	ug/kg	8330	7290	87	22-121	
2,4-Dinitrotoluene	ug/kg	1670	1590	95	60-120	
2,6-Dinitrotoluene	ug/kg	1670	1540	92	54-120	
2-Chloronaphthalene	ug/kg	1670	1460	88	41-120	
2-Chlorophenol	ug/kg	1670	1530	92	39-120	
2-Methylnaphthalene	ug/kg	1670	1320	79	26-120	
2-Methylphenol(o-Cresol)	ug/kg	1670	1530	92	41-120	
2-Nitroaniline	ug/kg	3330	2800	84	45-120	
2-Nitrophenol	ug/kg	1670	1510	91	35-120	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1340	80	35-120	
3,3'-Dichlorobenzidine	ug/kg	3330	2770	83	16-125	
3-Nitroaniline	ug/kg	3330	2720	82	45-120	
4,6-Dinitro-2-methylphenol	ug/kg	3330	3130	94	46-120	
4-Bromophenylphenyl ether	ug/kg	1670	1380	83	36-120	
4-Chloro-3-methylphenol	ug/kg	3330	3050	92	37-120	
4-Chloroaniline	ug/kg	3330	2510	75	35-120	
4-Chlorophenylphenyl ether	ug/kg	1670	1460	88	30-120	
4-Nitroaniline	ug/kg	3330	2860	86	48-120	
4-Nitrophenol	ug/kg	8330	7980	96	43-120	
Acenaphthene	ug/kg	1670	1380	83	46-120	
Acenaphthylene	ug/kg	1670	1490	89	46-120	
Aniline	ug/kg	1670	1350	81	33-120	
Anthracene	ug/kg	1670	1420	85	63-120	
Benzo(a)anthracene	ug/kg	1670	1490	89	61-120	
Benzo(a)pyrene	ug/kg	1670	1450	87	59-120	
Benzo(b)fluoranthene	ug/kg	1670	1310	78	55-120	
Benzo(g,h,i)perylene	ug/kg	1670	1380	83	57-120	
Benzo(k)fluoranthene	ug/kg	1670	1340	80	56-120	
Benzoic Acid	ug/kg	8330	5250	63	13-120	
Benzyl alcohol	ug/kg	3330	2900	87	34-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	1370	82	21-120	
bis(2-Chloroethyl) ether	ug/kg	1670	1420	85	25-120	
bis(2-Chloroisopropyl) ether	ug/kg	1670	1260	76	13-120	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1810	109	56-123	
Butylbenzylphthalate	ug/kg	1670	1750	105	57-120	
Chrysene	ug/kg	1670	1410	84	64-120	
Di-n-butylphthalate	ug/kg	1670	1730	104	58-120	
Di-n-octylphthalate	ug/kg	1670	1590	96	47-121	
Dibenz(a,h)anthracene	ug/kg	1670	1440	86	56-120	
Dibenzofuran	ug/kg	1670	1510	90	43-120	
Diethylphthalate	ug/kg	1670	1530	92	55-120	
Dimethylphthalate	ug/kg	1670	1520	91	54-120	
Fluoranthene	ug/kg	1670	1440	87	61-120	
Fluorene	ug/kg	1670	1480	89	51-120	
Hexachloro-1,3-butadiene	ug/kg	1670	1340	80	22-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

LABORATORY CONTROL SAMPLE: 1698605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/kg	1670	1410	84	53-120	
Hexachlorocyclopentadiene	ug/kg	1670	1430	86	18-150	
Hexachloroethane	ug/kg	1670	1450	87	39-120	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1540	92	58-120	
Isophorone	ug/kg	1670	1420	85	38-120	
N-Nitroso-di-n-propylamine	ug/kg	1670	1480	89	30-120	
N-Nitrosodimethylamine	ug/kg	1670	1480	89	32-120	
N-Nitrosodiphenylamine	ug/kg	1670	1400	84	50-120	
Naphthalene	ug/kg	1670	1320	79	38-120	
Nitrobenzene	ug/kg	1670	1380	83	37-120	
Pentachlorophenol	ug/kg	3330	2850	85	10-120	
Phenanthrene	ug/kg	1670	1420	85	62-120	
Phenol	ug/kg	1670	1610	97	37-120	
Pyrene	ug/kg	1670	1400	84	63-120	
2,4,6-Tribromophenol (S)	%			93	27-110	
2-Fluorobiphenyl (S)	%			88	30-110	
2-Fluorophenol (S)	%			90	13-110	
Nitrobenzene-d5 (S)	%			88	23-110	
Phenol-d6 (S)	%			92	22-110	
Terphenyl-d14 (S)	%			89	28-110	

MATRIX SPIKE SAMPLE: 1698607

Parameter	Units	92291918003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	2110	1550	74	18-119	
1,2-Dichlorobenzene	ug/kg	ND	2110	1560	74	50-110	
1,3-Dichlorobenzene	ug/kg	ND	2110	1570	74	27-110	
1,4-Dichlorobenzene	ug/kg	ND	2110	1560	74	28-110	
1-Methylnaphthalene	ug/kg	ND	2110	1480	70	24-116	
2,4,5-Trichlorophenol	ug/kg	ND	2110	1590	76	28-110	
2,4,6-Trichlorophenol	ug/kg	ND	2110	1760	84	17-117	
2,4-Dichlorophenol	ug/kg	ND	2110	1610	77	21-128	
2,4-Dimethylphenol	ug/kg	ND	2110	1560	74	10-120	
2,4-Dinitrophenol	ug/kg	ND	10500	7590	72	10-107	
2,4-Dinitrotoluene	ug/kg	ND	2110	1820	87	36-109	
2,6-Dinitrotoluene	ug/kg	ND	2110	1690	80	32-110	
2-Chloronaphthalene	ug/kg	ND	2110	1580	75	30-107	
2-Chlorophenol	ug/kg	ND	2110	1700	81	14-106	
2-Methylnaphthalene	ug/kg	ND	2110	1470	70	10-135	
2-Methylphenol(o-Cresol)	ug/kg	ND	2110	1620	77	10-124	
2-Nitroaniline	ug/kg	ND	4200	3130	74	26-116	
2-Nitrophenol	ug/kg	ND	2110	1720	82	28-103	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2110	1450	69	10-109	
3,3'-Dichlorobenzidine	ug/kg	ND	4200	3010	72	10-150	
3-Nitroaniline	ug/kg	ND	4200	3180	76	22-110	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

MATRIX SPIKE SAMPLE: 1698607

Parameter	Units	92291918003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4,6-Dinitro-2-methylphenol	ug/kg	ND	4200	3270	78	13-121	
4-Bromophenylphenyl ether	ug/kg	ND	2110	1480	70	31-109	
4-Chloro-3-methylphenol	ug/kg	ND	4200	3470	82	13-128	
4-Chloroaniline	ug/kg	ND	4200	3000	71	18-102	
4-Chlorophenylphenyl ether	ug/kg	ND	2110	1580	75	29-112	
4-Nitroaniline	ug/kg	ND	4200	3220	77	16-111	
4-Nitrophenol	ug/kg	ND	10500	9130	87	14-135	
Acenaphthene	ug/kg	ND	2110	1510	72	26-114	
Acenaphthylene	ug/kg	ND	2110	1640	78	32-108	
Aniline	ug/kg	ND	2110	1470	70	10-107	
Anthracene	ug/kg	ND	2110	1520	72	32-111	
Benzo(a)anthracene	ug/kg	ND	2110	1610	76	25-117	
Benzo(a)pyrene	ug/kg	ND	2110	1550	74	25-106	
Benzo(b)fluoranthene	ug/kg	ND	2110	1420	68	24-110	
Benzo(g,h,i)perylene	ug/kg	ND	2110	1530	73	19-112	
Benzo(k)fluoranthene	ug/kg	ND	2110	1420	68	24-114	
Benzoic Acid	ug/kg	ND	10500	ND	20	10-110	
Benzyl alcohol	ug/kg	ND	4200	3360	80	24-106	
bis(2-Chloroethoxy)methane	ug/kg	ND	2110	1510	72	13-119	
bis(2-Chloroethyl) ether	ug/kg	ND	2110	1610	77	10-134	
bis(2-Chloroisopropyl) ether	ug/kg	ND	2110	1380	66	10-113	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2110	2050	96	10-125	
Butylbenzylphthalate	ug/kg	ND	2110	2090	100	18-110	
Chrysene	ug/kg	ND	2110	1540	73	30-110	
Di-n-butylphthalate	ug/kg	ND	2110	1820	86	19-112	
Di-n-octylphthalate	ug/kg	ND	2110	1910	91	17-105	
Dibenz(a,h)anthracene	ug/kg	ND	2110	1590	75	23-111	
Dibenzofuran	ug/kg	ND	2110	1660	79	35-103	
Diethylphthalate	ug/kg	ND	2110	1690	80	27-113	
Dimethylphthalate	ug/kg	ND	2110	1660	79	26-111	
Fluoranthene	ug/kg	ND	2110	1510	72	33-109	
Fluorene	ug/kg	ND	2110	1620	77	32-113	
Hexachloro-1,3-butadiene	ug/kg	ND	2110	1470	70	16-116	
Hexachlorobenzene	ug/kg	ND	2110	1440	68	27-120	
Hexachlorocyclopentadiene	ug/kg	ND	2110	1250	59	10-108	
Hexachloroethane	ug/kg	ND	2110	1580	75	10-117	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2110	1690	81	10-122	
Isophorone	ug/kg	ND	2110	1600	76	28-114	
N-Nitroso-di-n-propylamine	ug/kg	ND	2110	1620	77	27-113	
N-Nitrosodimethylamine	ug/kg	ND	2110	1650	78	10-109	
N-Nitrosodiphenylamine	ug/kg	ND	2110	1450	69	10-128	
Naphthalene	ug/kg	ND	2110	1480	71	25-110	
Nitrobenzene	ug/kg	ND	2110	1550	74	18-114	
Pentachlorophenol	ug/kg	ND	4200	2800	66	10-122	
Phenanthrene	ug/kg	ND	2110	1470	70	30-114	
Phenol	ug/kg	ND	2110	1780	85	11-102	
Pyrene	ug/kg	ND	2110	1620	77	25-116	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

MATRIX SPIKE SAMPLE: 1698607

Parameter	Units	92291918003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,4,6-Tribromophenol (S)	%				74	27-110	
2-Fluorobiphenyl (S)	%				72	30-110	
2-Fluorophenol (S)	%				77	13-110	
Nitrobenzene-d5 (S)	%				78	23-110	
Phenol-d6 (S)	%				80	22-110	
Terphenyl-d14 (S)	%				78	28-110	

SAMPLE DUPLICATE: 1698606

Parameter	Units	92291918001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
1-Methylnaphthalene	ug/kg	ND	ND		30	
2,4,5-Trichlorophenol	ug/kg	ND	ND		30	
2,4,6-Trichlorophenol	ug/kg	ND	ND		30	
2,4-Dichlorophenol	ug/kg	ND	ND		30	
2,4-Dimethylphenol	ug/kg	ND	ND		30	
2,4-Dinitrophenol	ug/kg	ND	ND		30	
2,4-Dinitrotoluene	ug/kg	ND	ND		30	
2,6-Dinitrotoluene	ug/kg	ND	ND		30	
2-Chloronaphthalene	ug/kg	ND	ND		30	
2-Chlorophenol	ug/kg	ND	ND		30	
2-Methylnaphthalene	ug/kg	ND	ND		30	
2-Methylphenol(o-Cresol)	ug/kg	ND	ND		30	
2-Nitroaniline	ug/kg	ND	ND		30	
2-Nitrophenol	ug/kg	ND	ND		30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	ND		30	
3,3'-Dichlorobenzidine	ug/kg	ND	ND		30	
3-Nitroaniline	ug/kg	ND	ND		30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	ND		30	
4-Bromophenylphenyl ether	ug/kg	ND	ND		30	
4-Chloro-3-methylphenol	ug/kg	ND	ND		30	
4-Chloroaniline	ug/kg	ND	ND		30	
4-Chlorophenylphenyl ether	ug/kg	ND	ND		30	
4-Nitroaniline	ug/kg	ND	ND		30	
4-Nitrophenol	ug/kg	ND	ND		30	
Acenaphthene	ug/kg	ND	ND		30	
Acenaphthylene	ug/kg	ND	ND		30	
Aniline	ug/kg	ND	ND		30	
Anthracene	ug/kg	ND	ND		30	
Benzo(a)anthracene	ug/kg	ND	ND		30	
Benzo(a)pyrene	ug/kg	ND	ND		30	
Benzo(b)fluoranthene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

SAMPLE DUPLICATE: 1698606

Parameter	Units	92291918001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzo(g,h,i)perylene	ug/kg	ND	ND		30	
Benzo(k)fluoranthene	ug/kg	ND	ND		30	
Benzoic Acid	ug/kg	ND	ND		30	
Benzyl alcohol	ug/kg	ND	ND		30	
bis(2-Chloroethoxy)methane	ug/kg	ND	ND		30	
bis(2-Chloroethyl) ether	ug/kg	ND	ND		30	
bis(2-Chloroisopropyl) ether	ug/kg	ND	ND		30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	ND		30	
Butylbenzylphthalate	ug/kg	ND	ND		30	
Chrysene	ug/kg	ND	ND		30	
Di-n-butylphthalate	ug/kg	ND	ND		30	
Di-n-octylphthalate	ug/kg	ND	239J		30	
Dibenz(a,h)anthracene	ug/kg	ND	ND		30	
Dibenzofuran	ug/kg	ND	ND		30	
Diethylphthalate	ug/kg	ND	ND		30	
Dimethylphthalate	ug/kg	ND	ND		30	
Fluoranthene	ug/kg	ND	ND		30	
Fluorene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Hexachlorobenzene	ug/kg	ND	ND		30	
Hexachlorocyclopentadiene	ug/kg	ND	ND		30	
Hexachloroethane	ug/kg	ND	ND		30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	ND		30	
Isophorone	ug/kg	ND	ND		30	
N-Nitroso-di-n-propylamine	ug/kg	ND	ND		30	
N-Nitrosodimethylamine	ug/kg	ND	ND		30	
N-Nitrosodiphenylamine	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
Nitrobenzene	ug/kg	ND	ND		30	
Pentachlorophenol	ug/kg	ND	ND		30	
Phenanthrene	ug/kg	ND	ND		30	
Phenol	ug/kg	ND	ND		30	
Pyrene	ug/kg	ND	ND		30	
2,4,6-Tribromophenol (S)	%	51	57	11		
2-Fluorobiphenyl (S)	%	62	69	11		
2-Fluorophenol (S)	%	52	60	14		
Nitrobenzene-d5 (S)	%	70	76	9		
Phenol-d6 (S)	%	56	66	16		
Terphenyl-d14 (S)	%	77	82	6		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: PMST/8920 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92291493001, 92291493002, 92291493003, 92291493004, 92291493005, 92291493006, 92291493007

SAMPLE DUPLICATE: 1695739

Parameter	Units	92291423003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.5	17.9	8	25	

SAMPLE DUPLICATE: 1695740

Parameter	Units	92291493007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.5	19.1	2	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

QC Batch: PMST/8921 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92291493008, 92291493009, 92291493010, 92291493011, 92291493012, 92291493013, 92291493014, 92291493015, 92291493016, 92291493017, 92291493018, 92291493019, 92291493020, 92291493021, 92291493022

SAMPLE DUPLICATE: 1695773

Parameter	Units	92291313001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	45.3	45.3	0	25	

SAMPLE DUPLICATE: 1695774

Parameter	Units	92291493022 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.9	17.4	3	25	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

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.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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.

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

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
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.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92291493001	**B-15 (1.5-2.5FT)**	EPA 3050	MPRP/21124	EPA 6010	ICP/19011
92291493002	**B-16 (1-2FT)**	EPA 3050	MPRP/21124	EPA 6010	ICP/19011
92291493003	**B-14 (1-2FT)**	EPA 3050	MPRP/21124	EPA 6010	ICP/19011
92291493004	**B-16 (0-1FT)**	EPA 3050	MPRP/21124	EPA 6010	ICP/19011
92291493005	**DUP-1**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493006	**B-15 (0-1.5FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493007	**B-1 (0-5FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493008	**B-2 (0-5FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493009	**B-17 (1-2FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493010	**B-18 (4-5FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493011	**B-18 (1-2FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493012	**B-4 (0-5FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493013	**B-19 (0-1.5FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493014	**B-7 (5-10FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493015	**B-19 (2-3FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493016	**B-14 (0-1FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493017	**B-13 (0-5FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493018	**DUP-2**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493019	**B-5 (0-5FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493020	**B-3 (5-10FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493021	**B-3 (0-5FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493022	**B-17 (8-9FT)**	EPA 3050	MPRP/21125	EPA 6010	ICP/19012
92291493001	**B-15 (1.5-2.5FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493002	**B-16 (1-2FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493003	**B-14 (1-2FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493004	**B-16 (0-1FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493005	**DUP-1**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493006	**B-15 (0-1.5FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493007	**B-1 (0-5FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493008	**B-2 (0-5FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493009	**B-17 (1-2FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493010	**B-18 (4-5FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493011	**B-18 (1-2FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493012	**B-4 (0-5FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493013	**B-19 (0-1.5FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493014	**B-7 (5-10FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493015	**B-19 (2-3FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493016	**B-14 (0-1FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493017	**B-13 (0-5FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493018	**DUP-2**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493019	**B-5 (0-5FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493020	**B-3 (5-10FT)**	EPA 3010A	MPRP/21269	EPA 6010	ICP/19117
92291493021	**B-3 (0-5FT)**	EPA 3010A	MPRP/21295	EPA 6010	ICP/19130
92291493022	**B-17 (8-9FT)**	EPA 3010A	MPRP/21295	EPA 6010	ICP/19130
92291493001	**B-15 (1.5-2.5FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493002	**B-16 (1-2FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493003	**B-14 (1-2FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92291493004	**B-16 (0-1FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493005	**DUP-1**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493006	**B-15 (0-1.5FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493007	**B-1 (0-5FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493008	**B-2 (0-5FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493009	**B-17 (1-2FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493010	**B-18 (4-5FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493011	**B-18 (1-2FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493012	**B-4 (0-5FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493013	**B-19 (0-1.5FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493014	**B-7 (5-10FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493015	**B-19 (2-3FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493016	**B-14 (0-1FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493017	**B-13 (0-5FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493018	**DUP-2**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493019	**B-5 (0-5FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493020	**B-3 (5-10FT)**	EPA 7470	MERP/9222	EPA 7470	MERC/8857
92291493021	**B-3 (0-5FT)**	EPA 7470	MERP/9226	EPA 7470	MERC/8859
92291493022	**B-17 (8-9FT)**	EPA 7470	MERP/9226	EPA 7470	MERC/8859
92291493001	**B-15 (1.5-2.5FT)**	EPA 7471	MERP/9171	EPA 7471	MERC/8808
92291493002	**B-16 (1-2FT)**	EPA 7471	MERP/9171	EPA 7471	MERC/8808
92291493003	**B-14 (1-2FT)**	EPA 7471	MERP/9171	EPA 7471	MERC/8808
92291493004	**B-16 (0-1FT)**	EPA 7471	MERP/9171	EPA 7471	MERC/8808
92291493005	**DUP-1**	EPA 7471	MERP/9171	EPA 7471	MERC/8808
92291493006	**B-15 (0-1.5FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493007	**B-1 (0-5FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493008	**B-2 (0-5FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493009	**B-17 (1-2FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493010	**B-18 (4-5FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493011	**B-18 (1-2FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493012	**B-4 (0-5FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493013	**B-19 (0-1.5FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493014	**B-7 (5-10FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493015	**B-19 (2-3FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493016	**B-14 (0-1FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493017	**B-13 (0-5FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493018	**DUP-2**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493019	**B-5 (0-5FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493020	**B-3 (5-10FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493021	**B-3 (0-5FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493022	**B-17 (8-9FT)**	EPA 7471	MERP/9185	EPA 7471	MERC/8837
92291493001	**B-15 (1.5-2.5FT)**	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493002	**B-16 (1-2FT)**	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493003	**B-14 (1-2FT)**	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493004	**B-16 (0-1FT)**	EPA 3546	OEXT/41691	EPA 8270	MSSV/12077
92291493005	**DUP-1**	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92291493006	B-15 (0-1.5FT)	EPA 3546	OEXT/41691	EPA 8270	MSSV/12077
92291493007	B-1 (0-5FT)	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493008	B-2 (0-5FT)	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493009	B-17 (1-2FT)	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493010	B-18 (4-5FT)	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493011	B-18 (1-2FT)	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493012	B-4 (0-5FT)	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493013	B-19 (0-1.5FT)	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493014	B-7 (5-10FT)	EPA 3546	OEXT/41621	EPA 8270	MSSV/12053
92291493015	B-19 (2-3FT)	EPA 3546	OEXT/41637	EPA 8270	MSSV/12068
92291493016	B-14 (0-1FT)	EPA 3546	OEXT/41637	EPA 8270	MSSV/12068
92291493017	B-13 (0-5FT)	EPA 3546	OEXT/41637	EPA 8270	MSSV/12068
92291493018	DUP-2	EPA 3546	OEXT/41637	EPA 8270	MSSV/12068
92291493019	B-5 (0-5FT)	EPA 3546	OEXT/41637	EPA 8270	MSSV/12068
92291493020	B-3 (5-10FT)	EPA 3546	OEXT/41637	EPA 8270	MSSV/12068
92291493021	B-3 (0-5FT)	EPA 3546	OEXT/41637	EPA 8270	MSSV/12068
92291493022	B-17 (8-9FT)	EPA 3546	OEXT/41637	EPA 8270	MSSV/12068
92291493001	B-15 (1.5-2.5FT)	EPA 8260	MSV/36214		
92291493002	B-16 (1-2FT)	EPA 8260	MSV/36214		
92291493003	B-14 (1-2FT)	EPA 8260	MSV/36214		
92291493004	B-16 (0-1FT)	EPA 8260	MSV/36214		
92291493005	DUP-1	EPA 8260	MSV/36209		
92291493006	B-15 (0-1.5FT)	EPA 8260	MSV/36214		
92291493007	B-1 (0-5FT)	EPA 8260	MSV/36209		
92291493008	B-2 (0-5FT)	EPA 8260	MSV/36209		
92291493009	B-17 (1-2FT)	EPA 8260	MSV/36209		
92291493010	B-18 (4-5FT)	EPA 8260	MSV/36209		
92291493011	B-18 (1-2FT)	EPA 8260	MSV/36209		
92291493012	B-4 (0-5FT)	EPA 8260	MSV/36215		
92291493013	B-19 (0-1.5FT)	EPA 8260	MSV/36209		
92291493014	B-7 (5-10FT)	EPA 8260	MSV/36209		
92291493015	B-19 (2-3FT)	EPA 8260	MSV/36209		
92291493016	B-14 (0-1FT)	EPA 8260	MSV/36215		
92291493017	B-13 (0-5FT)	EPA 8260	MSV/36215		
92291493018	DUP-2	EPA 8260	MSV/36215		
92291493019	B-5 (0-5FT)	EPA 8260	MSV/36215		
92291493020	B-3 (5-10FT)	EPA 8260	MSV/36215		
92291493021	B-3 (0-5FT)	EPA 8260	MSV/36215		
92291493022	B-17 (8-9FT)	EPA 8260	MSV/36209		
92291493001	B-15 (1.5-2.5FT)	ASTM D2974-87	PMST/8920		
92291493002	B-16 (1-2FT)	ASTM D2974-87	PMST/8920		
92291493003	B-14 (1-2FT)	ASTM D2974-87	PMST/8920		
92291493004	B-16 (0-1FT)	ASTM D2974-87	PMST/8920		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRAFTIQUE U-3109A
Pace Project No.: 92291493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92291493005	**DUP-1**	ASTM D2974-87	PMST/8920		
92291493006	**B-15 (0-1.5FT)**	ASTM D2974-87	PMST/8920		
92291493007	**B-1 (0-5FT)**	ASTM D2974-87	PMST/8920		
92291493008	**B-2 (0-5FT)**	ASTM D2974-87	PMST/8921		
92291493009	**B-17 (1-2FT)**	ASTM D2974-87	PMST/8921		
92291493010	**B-18 (4-5FT)**	ASTM D2974-87	PMST/8921		
92291493011	**B-18 (1-2FT)**	ASTM D2974-87	PMST/8921		
92291493012	**B-4 (0-5FT)**	ASTM D2974-87	PMST/8921		
92291493013	**B-19 (0-1.5FT)**	ASTM D2974-87	PMST/8921		
92291493014	**B-7 (5-10FT)**	ASTM D2974-87	PMST/8921		
92291493015	**B-19 (2-3FT)**	ASTM D2974-87	PMST/8921		
92291493016	**B-14 (0-1FT)**	ASTM D2974-87	PMST/8921		
92291493017	**B-13 (0-5FT)**	ASTM D2974-87	PMST/8921		
92291493018	**DUP-2**	ASTM D2974-87	PMST/8921		
92291493019	**B-5 (0-5FT)**	ASTM D2974-87	PMST/8921		
92291493020	**B-3 (5-10FT)**	ASTM D2974-87	PMST/8921		
92291493021	**B-3 (0-5FT)**	ASTM D2974-87	PMST/8921		
92291493022	**B-17 (8-9FT)**	ASTM D2974-87	PMST/8921		

Pace Analytical®	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: 18FEB2016 Page 1 of 2
	Document No.: F-CHR-CS-003-rev.18	Issuing Authority: Pace Huntersville Quality Office

WO# : 92291493

92291493

Sample Condition Upon Receipt

Client Name: Schnabel Eng **Proje**

Courier: ☐ Commercial ☑ Fed Ex ☐ UPS ☐ USPS ☑ Pace ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

Date/Initials Person Examining Contents: 11803 25-16

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other:____

Thermometer: ☑ T1505 ☐ ____ **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☑ Samples on ice, cooling process has begun

Correction Factor: 0.0°C **Cooler Temp Corrected (°C):** 5.8 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

				COMMENTS:
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 and/or Signature on COC?	☐ Yes	☑ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr.)?	☐ 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. Note if sediment is visible in the dissolved container
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	12.
-Includes Date/Time/ID/Analysis Matrix: S				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC,LLHg	☐ Yes	☐ No	☑ N/A	
Samples checked for dechlorination	☐ Yes	☐ No	☑ N/A	14.
Headspace in VOA Vials (>5-6mm)?	☐ 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?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager SCURF Review: TC **Date:** 3/25/16

Project Manager SRF Review: [signature] **Date:** 3/28/16

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)

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 2

2001737

Section A Required Client Information:

Company: Schnabel Engineering
Address: 1A Oak Branch Dr
Greensboro NC 27407
Email To: DBradley@Schnabel-eng.com
Phone: 336-274-9456 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Ben Bradley
Copy To:
Purchase Order No.: WBS Element 34900.1.2
Project Name: Craftique
Project Number: U-3109A

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 3582-2

REGULATORY AGENCY

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

Site Location STATE:

Section D Required Client Information

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	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 Y/N	8260B	8270D	RCRA 8 Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92291493
1	B-15 (1.5-2.5 ft)	S		3-24	11:40				8									X	X	X			001
2	B-16 (1-2 ft)			3-24	12:15													X	X	X			002
3	B-14 (1-2 ft)			3-24	12:00													X	X	X			003
4	B-16 (0-1 ft)			3-24	12:15													X	X	X			004
5	Dup-1			3-23														X	X	X			005
6	B-15 (0-1.5 ft)			3-24	11:40													X	X	X			006
7	B-1 (0-5 ft)			3-23	3:45													X	X	X			007
8	B-2 (0-5 ft)	X		3-23	4:10													X	X	X			008
9	B-17 (1-2 ft)			3-23	3:20													X	X	X			009
10	B-18 (4-5 ft)			3-23	3:05													X	X	X			010
11	B-18 (1-2 ft)			3-23	3:05													X	X	X			011
12	B-4 (0-5 ft)	↓		3-24	9:15													✓	X	X			012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	3/25/16	1145	[signature]	3/25	1145				
	[signature]	3/25/16	1430	MS PACE HVL	03/25/16	1430	58	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ben Bradley
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 3/25/16

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

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.

2001738

Section A — **Required** Client Information:

Company: Schnabel Engineering
Address: 11-A Oak Branch Dr.
Greensboro, NC 27407
Email To: bradley@schnabel-eng.com
Phone: 336-274-9456 Fax:
Requested Due Date/TAT:

Section B — **Required** Project Information:

Report To: Ben Bradley
Copy To:
Purchase Order No.: WBS Element 34900.1.2
Project Name: Craftique
Project Number: A-3109A

Section C — Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

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

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 Y/N	8260B	8270 D	RCRA 8 Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	B-19 (0-1.5ft)	S		3/23	3:20				8										X	X	X		9291493 01
2	B-7 (5-10 ft)			3/23	1:00														X	X	X		02
3	B-19 (2-3 ft)			3/23	2:45														X	X	X		03
4	B-14 (0-1 ft)			3/24	12:00														X	X	X		04
5	B-13 (0-5 ft)			3/24	12:55														X	X	X		05
6	Dup-2			3/24															X	X	X		06
7	B-5 (0-5 ft)			3/24	9:00														X	X			07
8	B-3 (5-10 ft)			3/24	9:45														X	X			08
9	B-3 (0-5 ft)			3/24	9:45														X	X			09
10	B-17 (8-9 ft)			3/23	3:20														X	X	X		10
11																							11
12																							12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Ben Bradley / Pace	3/25/16	1145	Pace HVL	3/25/16	1145				
	Pace	3/25/16	1430	TTS FACE HVL	032516	1430	5.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ben Bradley
SIGNATURE of SAMPLER: Ben Bradley
DATE Signed (MM/DD/YY): 3/25/16

ORIGINAL

*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