

**GEOENVIRONMENTAL PCB ASSESSMENT REPORT  
NCDOT FORMERLY SFF HOLDING, LLC  
PARCEL NO. 2  
TIP NO: P-5705A  
WBS ELEMENT: 44475.3.1  
MECKLENBURG COUNTY**

DESCRIPTION:  
Charlotte Wye Track Improvements

SITE:  
NCDOT Formerly SFF Holding, LLC. Property  
3600 Primrose Avenue  
Charlotte, NC 28208

Prepared For:  
  
North Carolina Department of Transportation  
Geotechnical Engineering Unit  
GeoEnvironmental Section  
1589 Mail Service Center  
Raleigh, NC 27699-1589

Prepared By:  
  
Mid-Atlantic Associates, Inc.  
409 Rogers View Court  
Raleigh, North Carolina 27610  
Mid-Atlantic Job No. 021R3828.00

February 17, 2022



**GEOENVIRONMENTAL PCB ASSESSMENT REPORT  
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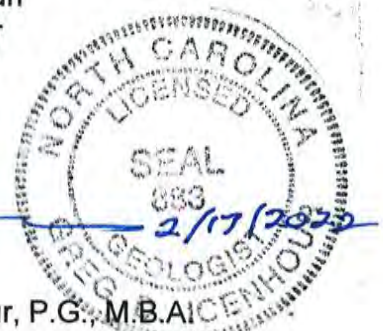
North Carolina Department of Transportation  
Geotechnical Engineering Unit  
GeoEnvironmental Section  
1589 Mail Service Center  
Raleigh, North Carolina 27699-1589

Prepared By:

**MID-ATLANTIC ASSOCIATES, INC.**



Troy L. Holzschuh  
Project Manager



Greg D. Icenhour, P.G., M.B.A. Icenhour  
Vice President  
NC Licensed Geologist #0883

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Appendix C           Well Abandonment Records  
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## 1.0 INTRODUCTION

Mid-Atlantic Associates, Inc. (Mid-Atlantic) has prepared this GeoEnvironmental Polychlorinated Biphenyl (PCB) Assessment Report in response to the North Carolina Department of Transportation's (NCDOT) Request for Technical and Cost Proposal (RFP) dated April 16, 2021, and in accordance with Mid-Atlantic's "Technical and Cost Proposal for "PCB-Impacted Soil Removal and Well Abandonment" dated May 5, 2021. Mid-Atlantic has performed the PCB Assessment and well abandonment for the NCDOT formerly SFF Holding, LLC. property (Subject Site), located at 3600 Primrose Avenue in Charlotte, North Carolina (**Drawing 1.1**). The investigation area for the subject site (Parcel 2) is the footprint of the proposed reinforced concrete box culvert (RCBC) located within the proposed right of way or easement (ROW/PUE) due to the potential presence of PCB contamination at the site and because excavation and grading may occur within the area. The property acquisition is necessary for the Charlotte Wye Track improvements along this project. The Subject Site is located at the western end of Primrose Avenue, northwest of the existing Norfolk Southern Rail-line and south of the Norfolk Southern Mainline train tracks, west of the Charlotte junction in Charlotte, Mecklenburg County North Carolina.

The NCDOT contracted with Mid-Atlantic to perform the PCB assessment due to the potential presence of PCB contamination at the site. The environmental assessment was performed to evaluate if soils have been impacted from past uses of the property within the proposed RCBC area. Additionally, Mid-Atlantic was contracted to abandon two groundwater monitoring wells, MW-3, and MW-4, shown on **Drawing 1.2**.

This report documents the results of the environmental investigation, the locations and volume of any PCBs identified in the investigation area above industrial/commercial preliminary Soil Remediation Goals (PSRGs), and the abandonment of two groundwater monitoring wells. The opinions included herein are based on our experience and information obtained during the study. This report is based on limited observations made on the dates noted using procedures described herein. If additional information becomes available, we request the opportunity to review the information, reassess the potential environmental concerns, and modify our conclusions, if appropriate.

### 1.1 Site Description

The Subject Site was formerly utilized as a United Scrap, Inc. facility, but currently consists of multiple vacant concrete slabs located in the central portion of the property. An asphalt driveway was observed on the southeastern portion of the property and the remaining portions of the parcel were observed to be undeveloped land. The site is located within a

commercial, industrial, and residential area of Charlotte, Mecklenburg County, North Carolina. The adjacent and surrounding properties include single-family residential homes, a church, a commercial buildings and storage, a rail yard, industrial buildings, and undeveloped land. The site is bordered to the north by Norfolk Southern Mainline followed by industrial buildings. An additional Norfolk Southern rail-line and Fern (a commercial business) are located adjacent to the east of the site. Moore's Sanctuary AME Zion Church, 48Fourty Solutions (a commercial business), and residential properties are located to the west of the site. A Norfolk Southern rail-line followed by residential properties and undeveloped land are located to the south of the site. Please refer to **Drawing 1.1** for the site topographic map and **Drawing 1.2** for the site location map. **Appendix A** includes a photograph log for the site.

## 1.2 Scope of Work

Per the NCDOT RFP and GeoEnvironmental Project Manager requests, the scope of work for this Phase II is as follows:

- Characterize soil with concentrations of PCB exceeding Industrial/Commercial Health Based PSRG (ICHB/PSRG) sufficient to characterize to the soil for disposal when the Contractor ultimately performs the excavation to install the proposed culvert.
- The location of the proposed RCBC is in the vicinity of soil sample P2SB-21 (collected in 2019). Refer to cross sections and plan view for dimensions and coordinate with NCDOT GeoEnvironmental Section and Rail Unit to determine the precise excavation width, and orientation of the proposed culvert excavation.
- Abandon two groundwater monitoring wells.
- Prepare a report documenting your activities sufficient to meet all DEQ's requirements. Submit one electronic DocuSign copy to this office.

## 2.0 SITE HISTORY

### 2.1 Parcel Usage

As described above the former SFF Holding property located at 3600 Primrose Avenue, in Charlotte NC was historically utilized as United Scrap, Inc. which was a scrap metal recycling and storage facility. The facility is identified on the North Carolina Department of Environmental Quality's (NCDEQ's) Incident Management Database (UST# MO-2453)

with a documented UST closure in 1989, however, this facility does not appear in the UST Section Registry and no Facility ID number was found to be associated with this parcel. According to NCDEQ Laserfiche website, the site was closed in 1990 with no contamination on-site. According to aerial photography buildings on site were demolished between August of 2012 and April of 2013. Aerial photography also indicates that the site was not developed prior to 1960 and was developed by 1970. Select historical documentation and aerial photographs from NCDOT and Google Earth are included as **Appendix B**.

### 3.0 FIELD ACTIVITIES

#### 3.1 Preliminary Activities

Prior to commencing field sampling activities at the site, several tasks were accomplished in preparation for the subsurface investigation. A Health and Safety Plan (HASP) was prepared to include site-specific health and safety information necessary for field activities. North Carolina-One Call was contacted on November 12, 2021, to report the proposed soil boring activities.

Mid-Atlantic subcontracted Carolina Soil Investigations, LLC. (CSI) to move the concrete barricade at the entrance of the site to allow access, clear the debris from the investigation area, abandon two groundwater monitoring wells, and replace the barricade to the entrance at the conclusion of the field activities. Pyramid Environmental & Engineering, P.C. (Pyramid) was retained by Mid-Atlantic to locate subsurface utilities.

#### 3.2 Site Reconnaissance

Mid-Atlantic personnel performed a site reconnaissance on June 17, 2021, to identify access restrictions or obstacles that could potentially affect the subsurface investigation. Mid-Atlantic observed a concrete barrier in front of the site entrance and debris and overgrown vegetation in the investigation area.

#### 3.3 Groundwater Monitoring Well Abandonment

Two groundwater monitoring wells (MW-3 and MW-4) were abandoned on November 22, 2021, by CSI. The well abandonment records are presented in **Appendix C**. The abandoned well locations are presented in **Drawing 1.2**.

### 3.4 Soil Sampling

The purpose of the soil sampling was to conduct a soil assessment of soils potentially contaminated with PCBs. The soil assessment was completed within six feet below land surface (bls) of the proposed RCBC excavation area. This procedure was completed to estimate the volume of impacted soil that might require special handling during construction activities.

Soil sampling was executed by Mid-Atlantic personnel utilizing hand augers accompanied by field screening of volatile organic vapors with a photoionization detector (PID). One to three intervals of soil from pre-determined sampling depths were selected for offsite analysis of PCBs by EPA Method 8082A.

Mid-Atlantic advanced 14 soil borings on November 22, and 23, 2021 within the proposed investigation area. The predetermined sample locations were placed in a pattern to maximize the likelihood of identifying potential PCB soil contamination and in accordance with Environmental Protection Agency (EPA) protocol. Soils were classified for soil type and screened at approximate two-foot intervals using the PID. Boring Logs (**Appendix D**) note the PID readings and soil type descriptions recorded by Mid-Atlantic personnel as drilling progressed. The soils at the site consisted of predominantly yellow silt to orange and yellow-to-gray clayey silt with debris. The soil boring locations are presented in **Drawing 3.4**.

Mid-Atlantic collected 31 soil samples in the proposed RCBC excavation area. Samples were collected at depths ranging from 2 to 6 feet below land surface from 14 soil boring locations. This approach was designed to determine lateral and vertical extent so that future excavation of contaminated soil could be completed with all impacted soil removed to non-hazardous levels without subsequent delays for resampling. Soil samples were collected in accordance with the Mid-Atlantic procedures provided in **Appendix E**. Samples were collected into clean sampling containers provided by Waypoint Analytical, Inc. (Waypoint) and analyzed for PCBs by EPA Method 8082A.

## 4.0 ANALYTICAL RESULTS

### 4.1 Impacted Soil

Based on the analytical results located in **Appendix F** and summarized (along with PID readings) in **Table 4.1**, PCBs were detected in 22 of 31 sample locations. The PCB

congener Aroclor 1254 was identified. Only one soil boring (S-6) at two separate sampling intervals indicated concentrations above the industrial/commercial PSRG for Aroclor 1254. Sample S-6 (2') exhibited a concentration of 8.03 mg/kg, and sample S-6 (3') contained a concentration of 1.53 mg/kg. Though the concentrations exceed the industrial/commercial PSRG, it is below the PCB Remediation Waste Standard of 50 mg/kg, which is the concentration at which PCB soils are determined to be hazardous waste. Based on the laboratory analytical results, no hazardous concentrations of PCB congeners were identified. Analytical detections in soil and the estimated area of soil contamination above industrial/commercial PSRG are shown in **Drawing 4.1**.

#### 4.2 Quantities Calculation

PCB-impacted soil was encountered within the proposed RCBC excavation area at concentrations exceeding NCDEQ's standard for Industrial/Commercial Health Based PSRGs in one soil boring S-6. Soil boring S-6 is in the northeast corner of the proposed RCBC. Based on the square footage (105 ft<sup>2</sup>) of the estimated area and an estimated 3-foot thickness of contaminated soil, the estimated volume of contaminated soil on the remnant parcel is approximately 12 cubic yards. Soil samples were not detected above the PCB Remediation Waste Standard of 50 mg/kg.

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this assessment, Mid-Atlantic concludes the following:

- Historical data indicates that the site was developed after 1950 and prior to 1960.
- Two groundwater monitoring wells (MW-3 and MW-4) were abandoned on November 22, 2021;
- Fourteen soil borings were advanced, and up to three soil samples were collected from each boring;
- Thirty-one total soil samples were collected for laboratory analysis;
- Each sample was analyzed for PCBs by EPA Method 8082A by Waypoint Analytical;
- PCB congener Aroclor 1254 concentrations were detected in 12 of the 14 soil borings; however, only two soil samples from one soil boring exceeded the NCDEQ standard for Industrial/Commercial Health Based PSRG's; and



- Soil samples analyzed were below the PCB Remediation Waste Standard of 50 mg/kg.

Based on the results of the investigation, Mid-Atlantic recommends the following:

- Removing the affected soil prior to construction; and
- Dispose of the soil as a non-hazardous waste at a licensed facility.

## TABLES

**TABLE 4.1  
PID READINGS AND SOIL ANALYTICAL RESULTS - PCB's  
3600 PRIMROSE AVENUE  
NCDOT: P5705A CHARLOTTE WYE TRACK  
CHARLOTTE, NORTH CAROLINA  
MID-ATLANTIC JOB NO. 000R3828.00**

Sample ID	Date	PPM	CONCENTRATION (mg/Kg)						
		PID Readings	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Residential Health Based PSRG			0.82	0.2	0.18	0.23	0.23	0.23	0.24
Industrial/Commercial Health Based PSRG			10	0.84	0.73	0.95	0.94	0.97	0.99
Protection of Groundwater PSRG			0.94	0.0059	0.0059	0.055	0.054	0.091	0.24
S-1 (2')	11/22/2021	0.0	<0.0030	<0.0028	<0.0028	<0.0028	<0.0028	0.0223	<0.0030
S-1 (4')	11/22/2021	0.0	<0.0029	<0.0028	<0.0028	<0.0028	<0.0028	0.0397	<0.0030
S-2 (2')	11/22/2021	0.0	<0.0028	<0.0027	<0.0027	<0.0027	<0.0027	0.125	<0.0029
S-2 (4')	11/22/2021	0.0	<0.0032	<0.0030	<0.0030	<0.0030	<0.0030	0.0196	<0.0032
S-3 (2')	11/22/2021	0.0	<0.0031	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0032
S-3 (5')	11/22/2021	0.0	<0.0030	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0031
S-4 (2')	11/22/2021	0.0	<0.0028	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0028
S-4 (5')	11/22/2021	0.0	<0.0029	<0.0028	<0.0028	<0.0028	<0.0028	0.0110	<0.0030
S-5 (2')	11/22/2021	0.0	<0.0027	<0.0026	<0.0026	<0.0026	<0.0026	0.0566	<0.0028
S-5 (4')	11/22/2021	0.0	<0.0027	<0.0026	<0.0026	<0.0026	<0.0026	0.0524	<0.0028
S-5 (6')	11/22/2021	0.0	<0.0028	<0.0026	<0.0026	<0.0026	<0.0026	0.0905	<0.0028
S-6 (2')	11/22/2021	0.0	<0.0027	<0.0026	<0.0026	<0.0026	<0.0026	<b>8.03</b>	<0.0028
S-6 (3')	11/22/2021	0.0	<0.0325	<0.0309	<0.0309	<0.0309	<0.0309	<b>1.53</b>	<0.0330
S-7 (2')	11/22/2021	0.0	<0.0031	<0.0029	<0.0029	<0.0029	<0.0029	0.0178	<0.0031
S-7 (4')	11/22/2021	0.0	<0.0031	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0031
S-8 (2')	11/22/2021	0.0	<0.0028	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0029
S-8 (5')	11/22/2021	0.0	<0.0031	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0031
S-9 (2')	11/22/2021	0.0	<0.0415	<0.0394	<0.0394	<0.0394	<0.0394	0.813	<0.0420
S-9 (5')	11/22/2021	0.0	<0.0388	<0.0367	<0.0367	<0.0367	<0.0367	0.712	<0.0391
S-10 (2')	11/23/2021	0.0	<0.0027	<0.0025	<0.0025	<0.0025	<0.0025	0.0128	<0.0027
S-10 (4')	11/23/2021	0.0	<0.0027	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0027
S-10 (6')	11/23/2021	0.0	<0.0028	<0.0026	<0.0026	<0.0026	<0.0026	<0.0026	<0.0028
S-11 (2')	11/22/2021	0.0	<0.0042	<0.0040	<0.0040	<0.0040	<0.0040	0.182	<0.0043
S-11 (4')	11/22/2021	0.0	<0.0030	<0.0028	<0.0028	<0.0028	<0.0028	0.288	<0.0030
S-12 (2')	11/22/2021	0.0	<0.0032	<0.0030	<0.0030	<0.0030	<0.0030	0.0146	<0.0032
S-12 (5')	11/22/2021	0.0	<0.0031	<0.0029	<0.0029	<0.0029	<0.0029	0.0184	<0.0031
S-13 (2')	11/22/2021	0.0	<0.0028	<0.0026	<0.0026	<0.0026	<0.0026	0.0129	<0.0028
S-13 (5')	11/22/2021	0.0	<0.0028	<0.0026	<0.0026	<0.0026	<0.0026	0.0238	<0.0028
S-14 (2')	11/22/2021	0.0	<0.0027	<0.0026	<0.0026	<0.0026	<0.0026	0.0883	<0.0028
S-14 (4')	11/22/2021	0.0	<0.0266	<0.0252	<0.0252	<0.0252	<0.0252	<0.0252	<0.0269
S-14 (6')	11/22/2021	0.0	<0.0027	<0.0026	<0.0026	<0.0026	<0.0026	0.0125	<0.0028

Notes:

(mg/Kg) = Milligrams per

Kilogram

PSRGs = Preliminary Soil Remediation Goals, NCDEQ IHSB Guidance, June, 2021 Version

**Bold** values denote that analyte was detected above its Industrial/Commercial Health Based PSRG

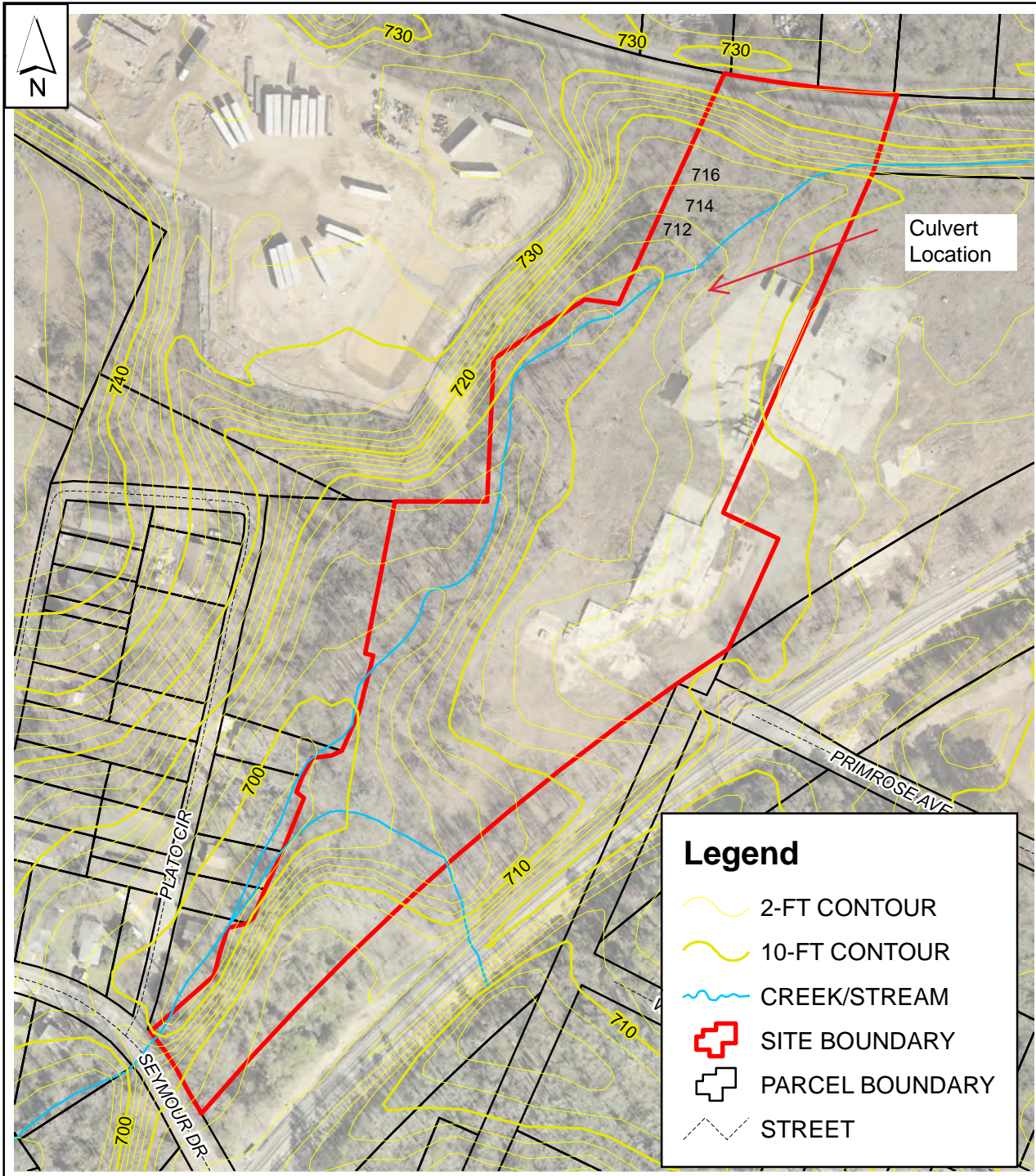
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

BDL = Below laboratory method detection limits

NA = Not Analyzed

NS = No Standard

## DRAWINGS



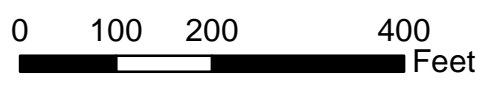
**Legend**

- 2-FT CONTOUR
- 10-FT CONTOUR
- CREEK/STREAM
- SITE BOUNDARY
- PARCEL BOUNDARY
- STREET

**REFERENCES:**

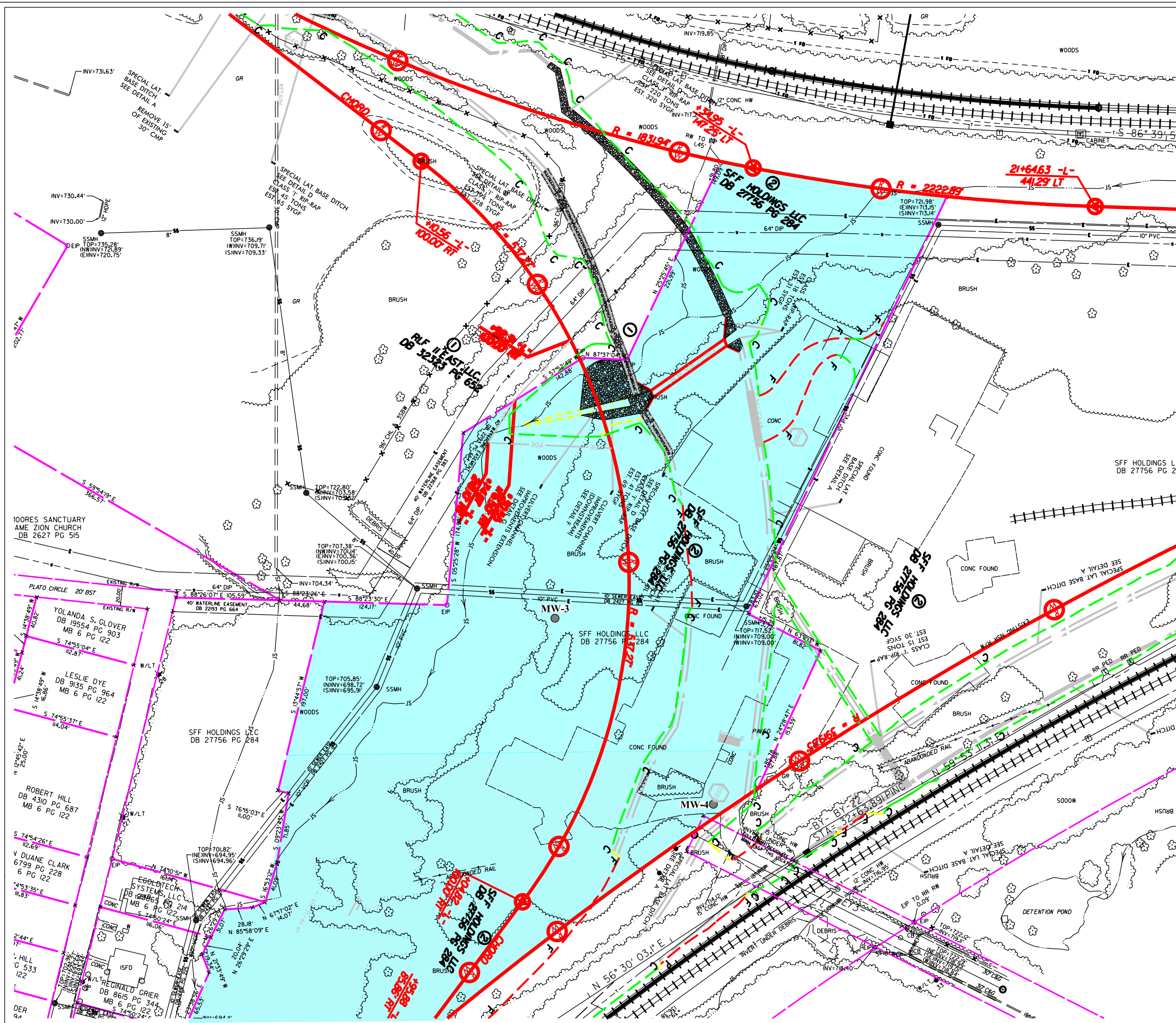
1. 2020 AERIAL PHOTOGRAPH AND COUNTY GIS DATA FROM MECKLENBURG COUNTY.

SCALE:1:2,400



TOPOGRAPHIC SITE MAP  
 P-5705A - SOIL SAMPLING  
 3600 PRIMROSE AVENUE  
 CHARLOTTE, NORTH CAROLINA

DRAWN BY: <i>JS</i>	DATE: APRIL 2021
DRAFT CHECK:	JOB NO:
ENG. CHECK:	GIS NO: 05G-R3828.00-01
APPROVAL: <i>GDI</i>	DWG NO: 1

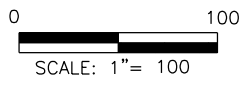
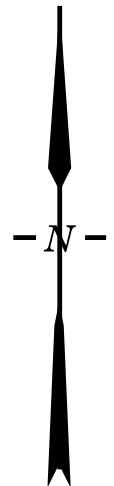


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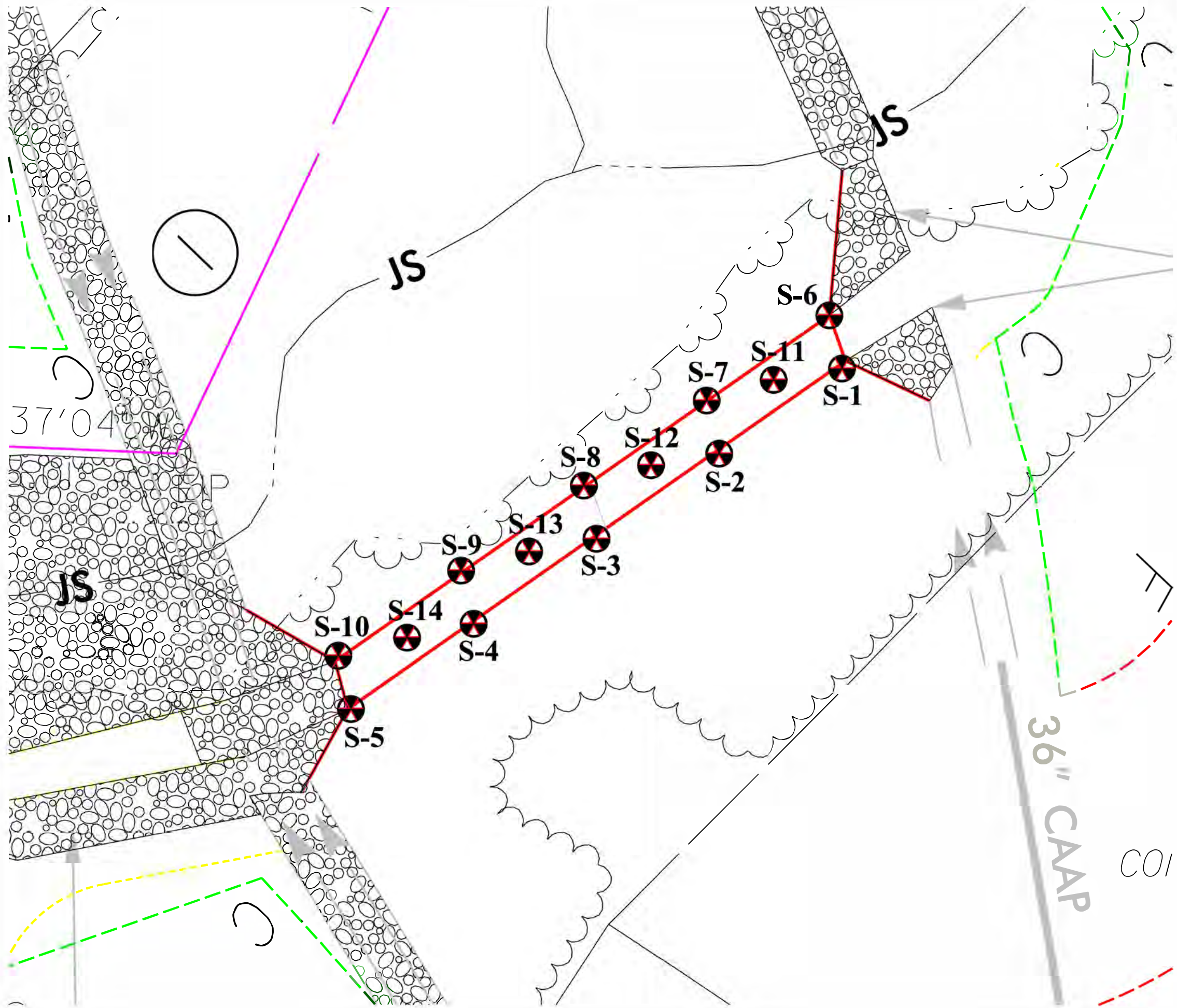
- EXISTING ROW
- EXISTING PROPERTY BOUNDARY
- PROPOSED ROW LINE
- SLOPE STAKE CUT LINE
- SLOPE STAKE FILL LINE
- PARCEL 2 GENERAL STUDY AREA
- LOCATION OF ABANDONED MONITOR WELL

DATE:	DECEMBER 2021
DRAWN BY:	
DRAFTING CHECK BY:	
ENGINEER CHECK BY:	
APPROVED BY:	
JOB NO:	021R3828
CAD #	FIGURE 1.2
DWG NO:	1.2

SITE LOCATION MAP  
 NCDOT PROJECT P-5705A  
 3600 PRIMROSE AVE.  
 PARCEL 2  
 CHARLOTTE, NC



REFERENCE: NCDOT MICROSTATION (FS, HYD\_DRN, RR ROW, RR SS)



**LEGEND**

- EXISTING ROW
- EXISTING PROPERTY BOUNDARY
- PROPOSED CULVERT
- - - SLOPE STAKE CUT LINE
- - - SLOPE STAKE FILL LINE
- SOIL SAMPLE LOCATION

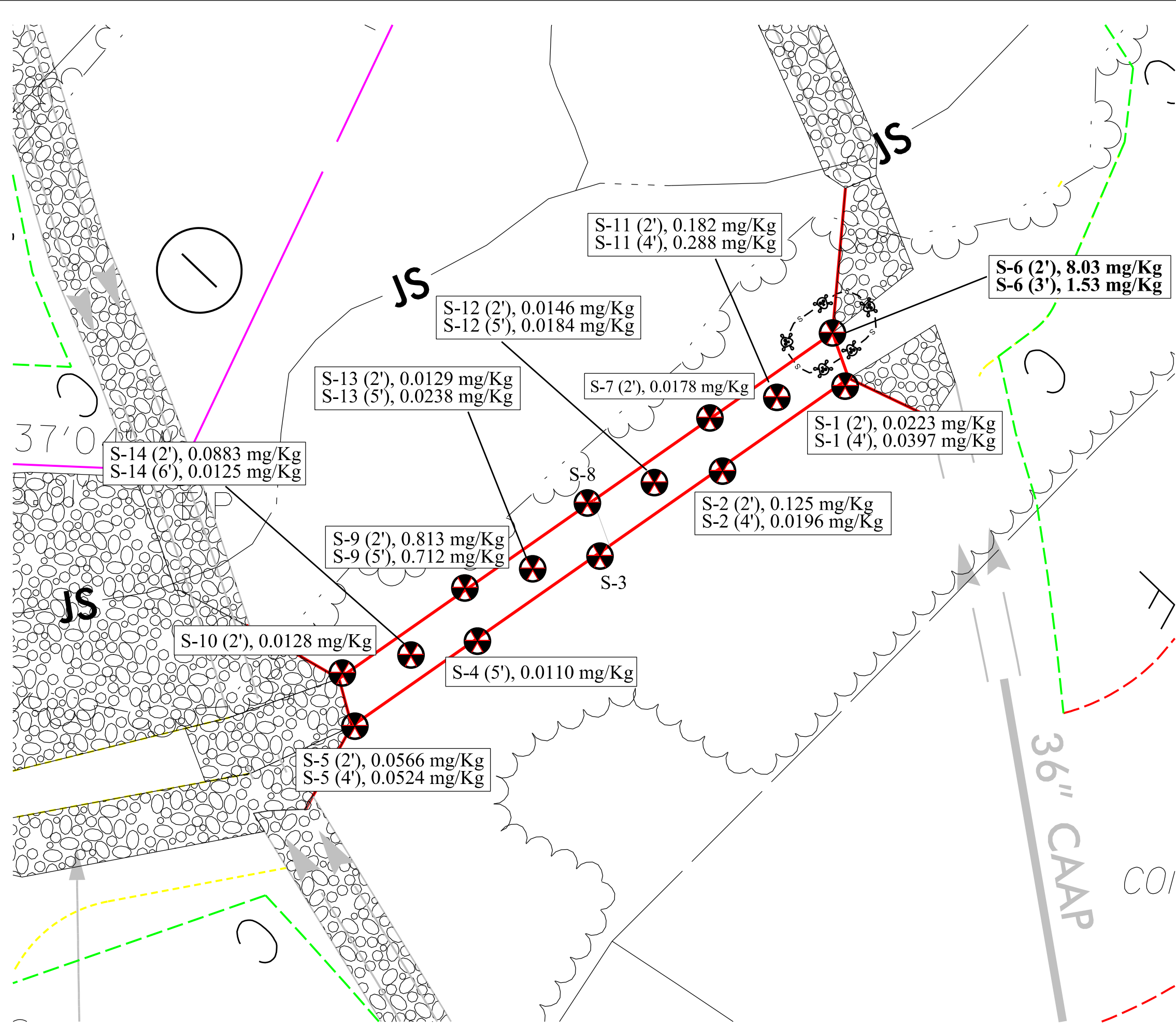
DRAWN BY:	DATE: DECEMBER 2021
DRAFTING CHECK BY:	JOB NO: 021R3828
ENGINEER CHECK BY:	CAD # FIGURE 3.4
APPROVED BY:	DWG NO: 3.4

SOIL SAMPLE LOCATION MAP  
 NCDOT PROJECT P-5705A  
 3600 PRIMROSE AVE.  
 PARCEL 2  
 CHARLOTTE, NC



**Mid Atlantic**  
 Engineering & Environmental Solutions

REFERENCE: NCDOT MICROSTATION (FS, HYD\_DRN, RR ROW, RR SS)



**LEGEND**

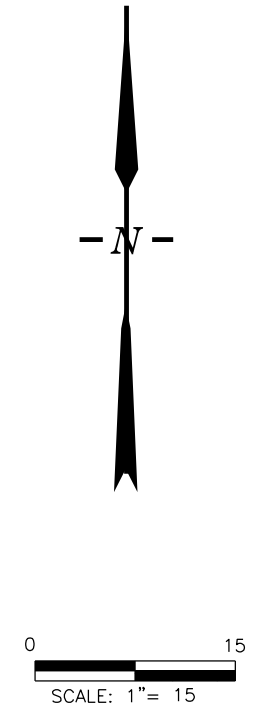
- EXISTING ROW
- EXISTING PROPERTY BOUNDARY
- PROPOSED CULVERT
- - - SLOPE STAKE CUT LINE
- - - SLOPE STAKE FILL LINE
- KNOWN SOIL CONTAMINATION
- SOIL BORING LOCATION

ANALYTICAL RESULTS PRESENTED ARE PCB, AROCLOR 1254

BOLD VALUES INDICATE EXCEEDANCE OF INDUSTRIAL/COMMERCIAL HEALTH-BASED PSRG

DATE: DECEMBER 2021	DRAWN BY:
JOB NO: 021R3828	DRAFTING CHECK BY:
CAD # FIGURE 4.1	ENGINEER CHECK BY:
DWG NO: 4.1	APPROVED BY:

ANALYTICAL DETECTIONS IN SOIL AND ESTIMATED AREA OF SOIL CONTAMINATION  
 NCDOT PROJECT P-5705A  
 3600 PRIMROSE AVE.  
 PARCEL 2  
 CHARLOTTE, NC



REFERENCE: NCDOT MICROSTATION (FS, HYD\_DRN, RR ROW, RR SS)



**APPENDIX A**  
**SITE PHOTO LOG**





**Photograph 1 – View of site entrance barricade prior to investigation activities.**



**Photograph 2 – View of barricade being moved to gain access to site.**



**Photograph 3 – Photo of investigation area being cleared.**



**Photograph 4 – Photo of private utilities being located.**



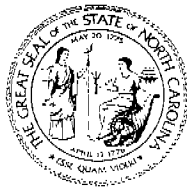
**Photograph 5 – Photo of containerized soil cuttings and decon water.**



**Photograph 6 – Photo of replaced barricade wall after investigation activities.**

**APPENDIX B**

**SELECTED AERIAL PHOTOGRAPHS AND HISTORICAL  
INFORMATION**



State of North Carolina  
Department of Environment, Health, and Natural Resources  
Mooresville Regional Office

James G. Martin, Governor  
William W. Cobey, Jr., Secretary

Albert F. Hilton, Regional Manager

DIVISION OF ENVIRONMENTAL MANAGEMENT

March 9, 1990

M-2453

Mr. Buddy Fisher  
United Scrap, Inc.  
Post Office Box 668647  
Charlotte, North Carolina 28266

RE: Soil Sample Results From UST Closure  
United Scrap - Primrose Avenue  
Mecklenburg County, N.C.

Dear Mr. Fisher:

The Groundwater Section of the Division of Environmental Management has received the additional information required for the closure of three underground storage tanks at the above referenced site. The report arrived on February 17, 1990. Based on the reported results, no further action is required at this time.

Should you have any questions, please do not hesitate to call me.

Sincerely,

*Arlen Burney*

Arlen Burney  
Hydrogeological Technician

FAB/bb

# EnviroSpec

Environmental Specialists

P.O. Box 25610-188

• Charlotte, N.C. 28227 •

704-545-8577

July 13, 1989

N.C. Dept. of Natural Resources  
c/o Eric Klingel, Ph.D.  
P.O. Box 950  
Mooresville, N.C. 28115

N. C. DEPT. OF NATURAL  
RESOURCES AND  
COMMUNITY DEVELOPMENT

JUL 14 1989

Reference: Underground Storage Tank Closure

Dear Sirs:

We as agents for United Scrap Inc. performed the closure of 3 ea. two thousand (2000) gallon underground storage tanks by removal, as per our thirty (30) day notice to your department. At which time, soil samples were taken at the designated locations and no contamination was found.

Laboratory work was done by Bold Research Labs, Inc. Copies of lab results are enclosed.

If any additional information is needed, please feel free to contact our office.

Sincerely,



Richard Crosby  
EnviroSpec President

enclosures

RAC/js

# Bold Research Labs

Incorporated

ANALYTICAL TESTING & CONSULTING SERVICES

P.O. BOX 31486 • CHARLOTTE, NC 28231 • TELEPHONE (704) 342-3496 • FAX: (704) 342-9913

LAB SAMPLE NO.(s): 249B1-6

DATE OF REPORT: 06/27/89

P.O. NO.:

DATE RECEIVED: 06/09/89

RECEIVED FROM:

CUSTOMER NO: 6115

NAME: RICHARD CROSBY  
 ORG. ENVIRO SPEC.  
 ADD: P.O. BOX 25610-188

TELEPHONE NO: 704-545-8577

CHARLOTTE NC 28229

SAMPLE(s) of: SOIL  
 UNITED SCRAP

MARKED: A: TANK A #1 6/9/89

B: TANK A #2 6/9/89

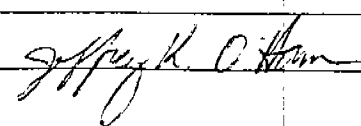
C: TANK B #1 6/9/89

D: TANK B #2 6/9/89

SAMPLE/TEST NO.                    1                    A:B1                    B:B2                    C:B3                    D: B4

ANALYSIS	UNITS				
pH					
TOTAL RESIDUE	(mg/L)				
TOTAL VOLATILE RESIDUE	(mg/L)				
TOTAL NONFILT. RESIDUE	(mg/L)				
TOTAL DISSOLVED RESIDUE	(mg/L)				
BOD	(mg/L)				
COD	(mg/L)				
AMMONIA AS N	(mg/L)				
TOTAL KJELDAHL NITROGEN	(mg/L)				
NITRATE AS N	(mg/L)				
TOTAL PHOSPHATE AS P	(mg/L)				
CHLORIDE AS Cl-	(mg/L)				
OIL & GREASE	(mg/L)				
CYANIDE, TOTAL	(mg/L)				
TOTAL PETROLEUM HYDROCARBONS	mg/Kg	<10	<10	<10	<10
METALS	UNITS				
ARSENIC	(mg/L)				
SELENIUM	(mg/L)				
CADMIUM	(mg/L)				
CHROMIUM	(mg/L)				
COPPER	(mg/L)				
LEAD	(mg/L)				
NICKEL	(mg/L)				
ZINC	(mg/L)				
MERCURY	(mg/L)				

APPROVED BY: \_\_\_\_\_



Jeffrey K. O'Ham, Manager

303 MEACHAM ST. • CHARLOTTE, NC 28203



# Bold Research Labs

Incorporated

ANALYTICAL TESTING & CONSULTING SERVICES

P.O. BOX 31486 • CHARLOTTE, NC 28231 • TELEPHONE (704) 342-3496 • FAX: (704) 342-9913

LAB SAMPLE NO(s): 249B1-6

DATE OF REPORT: 06/27/89

P.O. NO.:

DATE RECEIVED: 06/09/89

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CUSTOMER NO: 6115

NAME: RICHARD CROSBY  
 ORG. ENVIRO SPEC.  
 ADD: P.O. BOX 25610-188

TELEPHONE NO: 704-545-8577

CHARLOTTE NC 28229

SAMPLE(s) of: SOIL  
 UNITED SCRAP  
 MARKED: A: TANK C #1 6/9/89  
 C:

B: TANK C #2 6/9/89  
 D:

SAMPLE/TEST NO.                      1                      A: B5                      B: B6                      C:                      D:

ANALYSIS	UNITS				
pH					
TOTAL RESIDUE	(mg/L)				
TOTAL VOLATILE RESIDUE	(mg/L)				
TOTAL NONFILT. RESIDUE	(mg/L)				
TOTAL DISSOLVED RESIDUE	(mg/L)				
BOD	(mg/L)				
COD	(mg/L)				
AMMONIA AS N	(mg/L)				
TOTAL KJELDAHL NITROGEN	(mg/L)				
NITRATE AS N	(mg/L)				
TOTAL PHOSPHATE AS P	(mg/L)				
CHLORIDE AS Cl-	(mg/L)				
OIL & GREASE	(mg/L)				
CYANIDE, TOTAL	(mg/L)				
TOTAL PETROLEUM HYDROCARBONS	mg/Kg	<10	<10		
METALS	UNITS				
ARSENIC	(mg/L)				
SELENIUM	(mg/L)				
CADMIUM	(mg/L)				
CHROMIUM	(mg/L)				
COPPER	(mg/L)				
LEAD	(mg/L)				
NICKEL	(mg/L)				
ZINC	(mg/L)				
MERCURY	(mg/L)				

APPROVED BY: Jeffrey K. O'Ham Jeffrey K. O'Ham, Manager

Aerial Photograph 1950

0.10052-1 81

Site



Aerial Photograph 1960



Site

32

M. 136

Aerial Photograph 1970

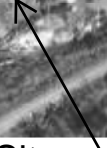
M 1112

271

1" = 500'

2-5-74

Site



Aerial Photograph 1980


Site


KODAK SAFETY FILM

April 2013

Write a description for your map.

Legend

 3600 Primrose Ave

 3600 Primrose Ave

Plato Cir

Primrose Ave

Seymour Dr

Faber St

Google Earth


800 ft




August 2012

Write a description for your map.

Legend

 3600 Primrose Ave

 3600 Primrose Ave

Plato Cir

Primrose Ave

Seymour Dr

Faber St

Google Earth

800 ft



**February 1993**

Write a description for your map.

**Legend**

 3600 Primrose Ave



Google Earth

Image U.S. Geological Survey


700 ft




January 2021

Write a description for your map.

Legend

 3600 Primrose Ave

 3600 Primrose Ave

Plato Cir

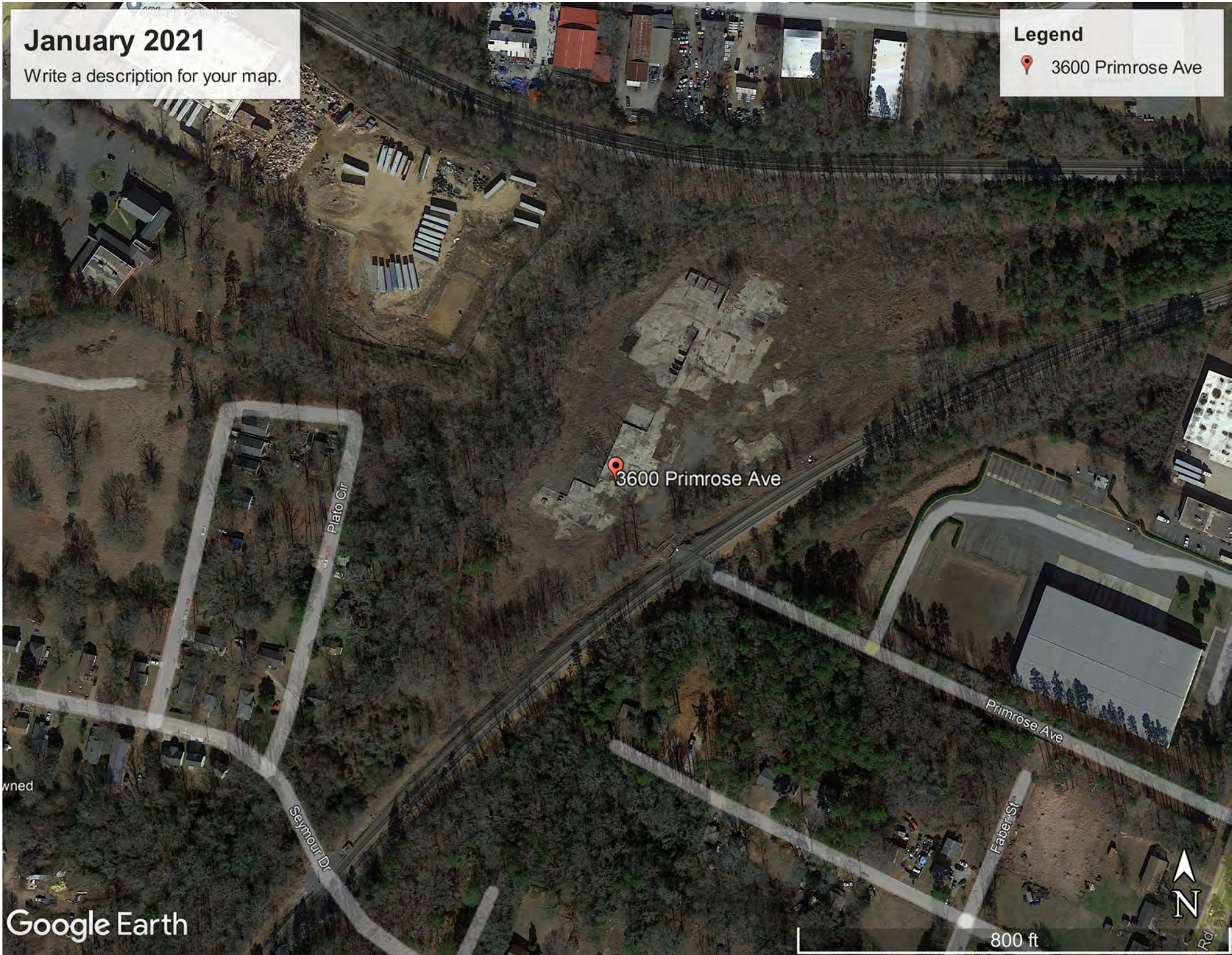
Primrose Ave

Seymour Dr

Faber St

Google Earth

800 ft



**APPENDIX C**  
**WELL ABANDONMENT RECORDS**



# WELL ABANDONMENT RECORD

For Internal Use ONLY:

## 1. Well Contractor Information:

Keith Speece

Well Contractor Name (or well owner personally abandoning well on his/her property)

2856-A

NC Well Contractor Certification Number

Carolina Soil Investigations, LLC

Company Name

## 2. Well Construction Permit #:

List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.) if known

## 3. Well use (check well use):

### Water Supply Well:

- |  |  |
|--|--|
| <input type="checkbox"/> Agricultural                        | <input type="checkbox"/> Municipal/Public                  |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial               | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation                          |  |

### Non-Water Supply Well:

- |  |                                   |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

### Injection Well:

- |  |   |
|--|---|
| <input type="checkbox"/> Aquifer Recharge                    | <input type="checkbox"/> Groundwater Remediation  |
| <input type="checkbox"/> Aquifer Storage and Recovery        | <input type="checkbox"/> Salinity Barrier         |
| <input type="checkbox"/> Aquifer Test                        | <input type="checkbox"/> Stormwater Drainage      |
| <input type="checkbox"/> Experimental Technology             | <input type="checkbox"/> Subsidence Control       |
| <input type="checkbox"/> Geothermal (Closed Loop)            | <input type="checkbox"/> Tracer                   |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 11/22/2021

## 5a. Well location:

Charlotte Wye Track

Facility/Owner Name

Facility ID# (if applicable)

3600 Primrose Ave Charlotte, NC

Physical Address, City, and Zip

Meck

County

Parcel Identification No. (PIN)

## 5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.22116 N -81.90842 W

## CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

6a. Well ID#: MW-3

6b. Total well depth: 20 (ft.)

6c. Borehole diameter: 2.25 (in.)

6d. Water level below ground surface: 10 (ft.)

6e. Outer casing length (if known): (ft.)

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

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

## WELL ABANDONMENT DETAILS

7a. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same well construction/depth, only 1 GW-30 is needed. Indicate TOTAL NUMBER of wells abandoned: 1

7b. Approximate volume of water remaining in well(s): 0.96 (gal.)

## FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: \_\_\_\_\_

7d. Amount of disinfectant used: \_\_\_\_\_

## 7e. Sealing materials used (check all that apply):

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout            | <input type="checkbox"/> Dry Clay                   |
| <input type="checkbox"/> Concrete Grout               | <input type="checkbox"/> Drill Cuttings             |
| <input type="checkbox"/> Specialty Grout              | <input type="checkbox"/> Gravel                     |
| <input type="checkbox"/> Bentonite Slurry             | <input type="checkbox"/> Other (explain under 7g)   |


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

neat cement 58 lbs

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

tremie grouted with neat cement

## 8. Certification:

  
Signature of Certified Well Contractor or Well Owner

11/22/2021  
Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

## 9. Site diagram or additional well details:

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

## SUBMITTAL INSTRUCTIONS

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

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

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

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

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

# WELL ABANDONMENT RECORD

For Internal Use ONLY:

## 1. Well Contractor Information:

Well Contractor Name (or well owner personally abandoning well on his/her property)

NC Well Contractor Certification Number

Company Name

## 2. Well Construction Permit #:

List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.) if known

## 3. Well use (check well use):

### Water Supply Well:

- |  |  |
|--|--|
| <input type="checkbox"/> Agricultural                        | <input type="checkbox"/> Municipal/Public                  |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial               | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation                          |  |

### Non-Water Supply Well:

- |                                     |                                   |
|-------------------------------------|-----------------------------------|
| <input type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|-------------------------------------|-----------------------------------|

### Injection Well:

- |  |   |
|--|---|
| <input type="checkbox"/> Aquifer Recharge                    | <input type="checkbox"/> Groundwater Remediation  |
| <input type="checkbox"/> Aquifer Storage and Recovery        | <input type="checkbox"/> Salinity Barrier         |
| <input type="checkbox"/> Aquifer Test                        | <input type="checkbox"/> Stormwater Drainage      |
| <input type="checkbox"/> Experimental Technology             | <input type="checkbox"/> Subsidence Control       |
| <input type="checkbox"/> Geothermal (Closed Loop)            | <input type="checkbox"/> Tracer                   |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: \_\_\_\_\_

## 5a. Well location:

Facility/Owner Name

Facility ID# (if applicable)

Physical Address, City, and Zip

County

Parcel Identification No. (PIN)

## 5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

\_\_\_\_\_ N \_\_\_\_\_ W

## CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

6a. Well ID#: \_\_\_\_\_

6b. Total well depth: \_\_\_\_\_ (ft.)

6c. Borehole diameter: \_\_\_\_\_ (in.)

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

6e. Outer casing length (if known): \_\_\_\_\_ (ft.)

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

6g. Screen length (if known): \_\_\_\_\_ (ft.)

## WELL ABANDONMENT DETAILS

7a. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same well construction/depth, only 1 GW-30 is needed. Indicate TOTAL NUMBER of wells abandoned: \_\_\_\_\_

7b. Approximate volume of water remaining in well(s): \_\_\_\_\_ (gal.)

## FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: \_\_\_\_\_

7d. Amount of disinfectant used: \_\_\_\_\_

## 7e. Sealing materials used (check all that apply):

- |  |   |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay                   |
| <input type="checkbox"/> Concrete Grout    | <input type="checkbox"/> Drill Cuttings             |
| <input type="checkbox"/> Specialty Grout   | <input type="checkbox"/> Gravel                     |
| <input type="checkbox"/> Bentonite Slurry  | <input type="checkbox"/> Other (explain under 7g)   |

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

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 8. Certification:



Signature of Certified Well Contractor or Well Owner

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

## 9. Site diagram or additional well details:

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

## SUBMITTAL INSTRUCTIONS

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

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

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

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

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

**APPENDIX D**  
**BORING LOGS**



Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 4

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Cameron Moore

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Cameron Moore

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
1	None	0.0		Dark Brown, Silt with Gravel, Slightly Firm, Slightly Moist		1
2	None	0.0		Tan to Brown, Silty Clay, Slightly Firm, Slightly Moist		2
4	None	0.0		Mottled Orange/White, Silty Clay, Slightly Firm, Slightly Moist		4
4				Boring Terminated at 4 ft-bgs		4
6						6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

**COMMENTS:**

DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling



Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 4

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Troy Holzschuh

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Troy Holzschuh

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
1	None	0.0		Brown, Silt		1
2	None	0.0		Black, Clayey Silt, Slightly Firm, Slightly Moist		2
4	None	0.0		Gray, Clayey Silt, Slightly Firm Slightly Moist		4
4				Boring Terminated at 4 ft-bgs		4
6						6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

**COMMENTS:**

DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling



Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 5

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Troy Holzschuh

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Troy Holzschuh

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
0	None	0.0		Brown, Silt		0
2	None	0.0		Yellow, Clayey Silt, Slightly Firm, Slightly Moist		2
4	None	0.0		Gray, Clayey Silt, Slightly Firm Slightly Moist		4
6				Boring Terminated at 5 ft-bgs		6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

COMMENTS:  
DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling





Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 5

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Cameron Moore

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Cameron Moore

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
2	None	0.0		Dark Brown to Black, Silt, Slightly Firm, Slightly Moist		2
4	None	0.0		Brown, Sand, Loose, Damp		4
6	None	0.0		Light Brown, Sand, Loose Moist		6
6				Boring Terminated at 5 ft-bgs		6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

**COMMENTS:**

DTW - Depth to Water ▼

in - indicates inches

ft - indicates depth in feet

ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring

ppm - indicates parts per million

TD - Total Depth of Boring for Sampling



Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 6

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Troy Holzschuh

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Troy Holzschuh

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
0	None	0.0		Brown, Silt, Slightly Firm, Slightly Moist		0
2	None	0.0		Yellow, Clayey Silt, Slightly Firm Slightly Moist		2
4	None	0.0		Gray, Clayey Silt		4
6				Boring Terminated at 6 ft-bgs		6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

**COMMENTS:**

DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling



Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 4

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Cameron Moore

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Cameron Moore

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
2	None	0.0		Dark Brown, Silt with Gravel, Slightly Firm, Slightly Moist		2
4	None	0.0		Dark Brown to Black, Silt with Debris		4
4				Boring Terminated at 4 ft-bgs		4
6						6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

COMMENTS:  
DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling



Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 4

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Cameron Moore

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Cameron Moore

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
0	None	0.0		Dark Brown, Silt with Gravel, Slightly Firm, Slightly Moist		0
2	None	0.0		Brown, Silt with Heavy Debris		2
4	None	0.0		Light Brown, Silt with Debris, Dry Loose		4
4				Boring Terminated at 4 ft-bgs		4
6						6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

**COMMENTS:**

DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling



Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 5

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/23/2021

Driller: Troy Holzschuh

DTW (ft): N/A

Date Completed: 11/23/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Troy Holzschuh

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
0	None	0.0		Brown, Silt with Rock		0
2	None	0.0		Yellow and Orange, Mottled, Clayey Silt, Slightly Firm, Slightly Moist		2
4	None	0.0		White and Orange, Marbled, Clayey Silt		4
6				Boring Terminated at 5 ft-bgs		6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

**COMMENTS:**

DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling



Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 5

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Troy Holzschuh

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Troy Holzschuh

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
2	None	0.0		Black, Silt, Slightly Firm, Slightly Moist		2
4	None	0.0			4	
6				Boring Terminated at 5 ft-bgs		6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

COMMENTS:  
DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling



Site Name: NCDOT P-5705A Drilling/Boring Method: Hand Auger Total Boring Depth (ft): 6  
 Project Number: 021R3828.00 Sampling Method: Hand Auger Well Depth (ft): N/A  
 Location: Charlotte, NC Subcontractor/Drillers: Mid-Atlantic Associates Screen Depth (ft): N/A  
 Date Started: 11/23/2021 Driller: Cameron Moore DTW (ft): N/A  
 Date Completed: 11/23/2021 Monitoring Equipment: Photo Ionization Detector MAA Field Staff: Cameron Moore

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
0	None	0.0		Orange/Tan, Silty Clay with Large Rock Debris		0
2	None	0.0		Gray, Silty Clay, Loose, Moist		2
4	None	0.0		Gray, Sand, Loose, Moist		4
6				Boring Terminated at 6 ft-bgs		6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

COMMENTS:  
DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling

Site Name: <u>NCDOT P-5705A</u>	Drilling/Boring Method: <u>Hand Auger</u>	Total Boring Depth (ft): <u>4</u>
Project Number: <u>021R3828.00</u>	Sampling Method: <u>Hand Auger</u>	Well Depth (ft): <u>N/A</u>
Location: <u>Charlotte, NC</u>	Subcontractor/Drillers: <u>Mid-Atlantic Associates</u>	Screen Depth (ft): <u>N/A</u>
Date Started: <u>11/22/2021</u>	Driller: <u>Troy Holzschuh</u>	DTW (ft): <u>N/A</u>
Date Completed: <u>11/22/2021</u>	Monitoring Equipment: <u>Photo Ionization Detector</u>	MAA Field Staff: <u>Troy Holzschuh</u>

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
1	None	0.0		Brown, Silt, Moist		1
2	None	0.0		Yellow Orange, Clayey Silt, Moist		2
4	None	0.0		White Orange, Marbled, Clayey Silt, Moist		4
4				Boring Terminated at 4 ft-bgs		4
6						6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

**COMMENTS:**  
 DTW - Depth to Water ▼

 in - indicates inches  
 ft - indicates depth in feet  
 ft-bgs - indicates feet below ground surface

 N/A - indicates not applicable to this boring  
 ppm - indicates parts per million  
 TD - Total Depth of Boring for Sampling





Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 5

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Troy Holzschuh

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Troy Holzschuh

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
2	None	0.0		Brown, Silt, Slightly Firm, Slightly Moist		2
4	None	0.0		White/Orange, Marbled, Clayey Silt, Moist		4
6				Boring Terminated at 5 ft-bgs		6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

COMMENTS:  
DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling



Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 5

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Troy Holzschuh

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Troy Holzschuh

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
0	None	0.0		Brown, Silt, Slightly Firm, Slightly Moist		0
2	None	0.0		Gray, Clayey Silt, Moist		2
4						4
6				Boring Terminated at 5 ft-bgs		6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

**COMMENTS:**

DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling



Site Name: NCDOT P-5705A

Drilling/Boring Method: Hand Auger

Total Boring Depth (ft): 6

Project Number: 021R3828.00

Sampling Method: Hand Auger

Well Depth (ft): N/A

Location: Charlotte, NC

Subcontractor/Drillers: Mid-Atlantic Associates

Screen Depth (ft): N/A

Date Started: 11/22/2021

Driller: Cameron Moore

DTW (ft): N/A

Date Completed: 11/22/2021

Monitoring Equipment: Photo Ionization Detector

MAA Field Staff: Cameron Moore

ft -bgs	Sampling Interval, Odors	PID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
0	None	0.0		Orange, Silt, Slightly Firm, Slightly Moist		0
2	None	0.0		Gray, Sand, Loose, Moist		2
4	None	0.0		Light Brown, Sand, Loose, Moist		4
6				Boring Terminated at 6 ft-bgs		6
8						8
10						10
12						12
14						14
16						16
18						18
20						20

**COMMENTS:**

DTW - Depth to Water ▼

in - indicates inches  
ft - indicates depth in feet  
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring  
ppm - indicates parts per million  
TD - Total Depth of Boring for Sampling

**APPENDIX E**  
**MID-ATLANTIC FIELD PROCEDURES**



# Soil Sampling Procedures

## I. Sample Collection

### Direct Push Technology (DPT, or “Geoprobe”)

DPT uses a truck-mounted hydraulic rig to push a steel sampling probe into the subsurface to collect soil and/or groundwater samples. The sampling device used to collect the soil samples during this investigation was the “macrocore” sampler. This sampler consists of a four-foot long, two-inch diameter stainless steel spoon containing a clear, acetate liner. When the macrocore sampler is driven into the subsurface, the soil is collected into the acetate liner and then retrieved to the land surface. The liner is then cut open and the soil lithology is characterized and soil samples are collected.

### Split Spoon Sampling

This method of soil sampling is typically used during advancement of hollowstem augers for the construction of monitoring wells. Soil samples are obtained from the borings by driving a prewashed, 1-3/8-inch inner-diameter split-spoon sampler at five foot intervals to termination in general accordance with ASTM D-1586 (Standard Penetration Test) specifications. Blow counts for each six inches of split-spoon penetration are recorded during advancement of the spoon. Samples are then retrieved to the land surface, the split-spoon is opened, and the soil lithology is characterized and soil samples are collected.

### Hand Augering

This method is typically used for shallow sampling in areas where access is limited or underground obstacles such as utilities may be present. A pre-washed, three-inch diameter steel auger bucket is attached to extension rods and manually turned to penetrate the subsurface to the desired sampling depth. Samples are then retrieved to the land surface and the soil lithology is characterized and soil samples are collected directly from the hand auger bucket.

### Excavator Bucket Sampling

This method is typically used during UST excavation and soil excavation projects. The soil samples are collected from the excavator bucket when it is not safe to collect the samples by other means. Care is taken when collecting samples from the bucket to avoid soil that has come in contact with the bucket itself to avoid cross contamination.

## **II. Headspace Field Screening**

A portion of each sample is removed from the sampling device and placed in a pre-labeled, plastic "ziploc" bag. After several minutes, the gas contained in the "headspace" or void area within the bag is tested with a photoionization detection (PID) and/or Flame Ionization Detector (FID). These are useful as scanning devices to detect the presence of volatile organic compounds (VOCs) but are not relied upon to determine specific levels of contamination. Typically, the samples exhibiting the highest headspace readings will be submitted to the laboratory for analysis.

## **III. Preparation for Laboratory Analysis**

The sample collector dons new nitrile sampling gloves prior to handling each sample. The samples are placed into laboratory-prepared, pre-labeled, sampling containers, packed in ice, and shipped to a certified laboratory under chain-of-custody control. The sampler places an executed custody seal on the cooler prior to leaving the sampler's custody. Laboratory analyses to be performed on the samples, along with other sampling information, are specified on the chain-of-custody, which is placed in the cooler with the samples.

**APPENDIX F**  
**SOIL LABORATORY ANALYTICAL REPORTS**



12/7/2021

Mid-Atlantic Associates, Inc. - Charlotte  
Troy Holzschuh  
1125 E. Morehead Street, Suite 104  
Charlotte, NC, 28204

Ref: Analytical Testing  
Lab Report Number: 21-327-0004  
Client Project Description: Charlotte Wye Track

Dear Troy Holzschuh:

Waypoint Analytical, LLC (Charlotte) received sample(s) on 11/23/2021 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) unless otherwise indicated.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Angela D Overcash  
Senior Project Manager



## Certification Summary

### Laboratory ID: WP CNC: Waypoint Analytical Carolina, Inc. (C), Charlotte, NC

State	Program	Lab ID	Expiration Date
North Carolina	State Program	37735	07/31/2022
North Carolina	State Program	402	12/31/2021
South Carolina	State Program	99012	07/31/2022
South Carolina	State Program	99012	12/31/2021

### Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2022
Arkansas	State Program	88-0650	02/07/2022
California	State Program	2904	06/30/2022
Florida	State Program - NELAP	E871157	06/30/2022
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2022
Illinois	State Program - NELAP	200078	10/10/2022
Kentucky	State Program	80215	06/30/2022
Kentucky	State Program	KY90047	12/31/2021
Louisiana	State Program - NELAP	LA037	12/31/2021
Louisiana	State Program - NELAP	04015	06/30/2022
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2021
Pennsylvania	State Program - NELAP	68-03195	05/31/2022
South Carolina	State Program	84002	06/30/2022
South Carolina	State Program	84002	06/30/2022
Tennessee	State Program	02027	02/11/2023
Texas	State Program - NELAP	T104704180	09/30/2022
Virginia	State Program	00106	06/30/2022
Virginia	State Program - NELAP	460181	09/14/2022

**Sample Summary Table**

**Report Number:** 21-327-0004  
**Client Project Description:** Charlotte Wye Track

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
89281	S-1 (2')	Solids	11/22/2021 11:40	11/23/2021 11:04	SW-DRYWT	WP MTN
89281	S-1 (2')	Solids	11/22/2021 11:40	11/23/2021 11:04	8082A	WP MTN
89282	S-1 (4')	Solids	11/22/2021 11:50	11/23/2021 11:04	SW-DRYWT	WP MTN
89282	S-1 (4')	Solids	11/22/2021 11:50	11/23/2021 11:04	8082A	WP MTN
89283	S-2 (2')	Solids	11/22/2021 12:20	11/23/2021 11:04	SW-DRYWT	WP MTN
89283	S-2 (2')	Solids	11/22/2021 12:20	11/23/2021 11:04	8082A	WP MTN
89284	S-2 (4')	Solids	11/22/2021 12:22	11/23/2021 11:04	8082A	WP MTN
89284	S-2 (4')	Solids	11/22/2021 12:22	11/23/2021 11:04	SW-DRYWT	WP MTN
89285	S-3 (2')	Solids	11/22/2021 13:20	11/23/2021 11:04	SW-DRYWT	WP MTN
89285	S-3 (2')	Solids	11/22/2021 13:20	11/23/2021 11:04	8082A	WP MTN
89286	S-3 (5')	Solids	11/22/2021 13:40	11/23/2021 11:04	SW-DRYWT	WP MTN
89286	S-3 (5')	Solids	11/22/2021 13:40	11/23/2021 11:04	8082A	WP MTN
89287	S-4 (2')	Solids	11/22/2021 14:00	11/23/2021 11:04	SW-DRYWT	WP MTN
89287	S-4 (2')	Solids	11/22/2021 14:00	11/23/2021 11:04	8082A	WP MTN
89288	S-4 (5')	Solids	11/22/2021 14:10	11/23/2021 11:04	8082A	WP MTN
89288	S-4 (5')	Solids	11/22/2021 14:10	11/23/2021 11:04	SW-DRYWT	WP MTN
89289	S-5 (2')	Solids	11/22/2021 14:40	11/23/2021 11:04	SW-DRYWT	WP MTN
89289	S-5 (2')	Solids	11/22/2021 14:40	11/23/2021 11:04	8082A	WP MTN
89290	S-5 (4')	Solids	11/22/2021 14:50	11/23/2021 11:04	SW-DRYWT	WP MTN
89290	S-5 (4')	Solids	11/22/2021 14:50	11/23/2021 11:04	8082A	WP MTN
89291	S-5 (6')	Solids	11/22/2021 15:00	11/23/2021 11:04	SW-DRYWT	WP MTN
89291	S-5 (6')	Solids	11/22/2021 15:00	11/23/2021 11:04	8082A	WP MTN
89292	S-6 (2')	Solids	11/22/2021 12:10	11/23/2021 11:04	SW-DRYWT	WP MTN
89292	S-6 (2')	Solids	11/22/2021 12:10	11/23/2021 11:04	8082A	WP MTN
89293	S-6 (3')	Solids	11/22/2021 12:20	11/23/2021 11:04	SW-DRYWT	WP MTN
89293	S-6 (3')	Solids	11/22/2021 12:20	11/23/2021 11:04	8082A	WP MTN
89294	S-7 (2')	Solids	11/22/2021 12:45	11/23/2021 11:04	SW-DRYWT	WP MTN

WP MTN - Memphis, TN: Waypoint Analytical - TN, Memphis, TN

**Sample Summary Table**

**Report Number:** 21-327-0004  
**Client Project Description:** Charlotte Wye Track

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
89294	S-7 (2')	Solids	11/22/2021 12:45	11/23/2021 11:04	8082A	WP MTN
89295	S-7 (4')	Solids	11/22/2021 13:00	11/23/2021 11:04	SW-DRYWT	WP MTN
89295	S-7 (4')	Solids	11/22/2021 13:00	11/23/2021 11:04	8082A	WP MTN
89296	S-8 (2')	Solids	11/23/2021 09:50	11/23/2021 11:04	8082A	WP MTN
89296	S-8 (2')	Solids	11/23/2021 09:50	11/23/2021 11:04	SW-DRYWT	WP MTN
89297	S-8 (5')	Solids	11/23/2021 10:00	11/23/2021 11:04	SW-DRYWT	WP MTN
89297	S-8 (5')	Solids	11/23/2021 10:00	11/23/2021 11:04	8082A	WP MTN
89298	S-9 (2')	Solids	11/22/2021 14:20	11/23/2021 11:04	SW-DRYWT	WP MTN
89298	S-9 (2')	Solids	11/22/2021 14:20	11/23/2021 11:04	8082A	WP MTN
89299	S-9 (5')	Solids	11/22/2021 14:30	11/23/2021 11:04	SW-DRYWT	WP MTN
89299	S-9 (5')	Solids	11/22/2021 14:30	11/23/2021 11:04	8082A	WP MTN
89300	S-10 (2')	Solids	11/23/2021 09:55	11/23/2021 11:04	SW-DRYWT	WP MTN
89300	S-10 (2')	Solids	11/23/2021 09:55	11/23/2021 11:04	8082A	WP MTN
89301	S-10 (4')	Solids	11/23/2021 10:00	11/23/2021 11:04	SW-DRYWT	WP MTN
89301	S-10 (4')	Solids	11/23/2021 10:00	11/23/2021 11:04	8082A	WP MTN
89302	S-10 (6')	Solids	11/23/2021 10:05	11/23/2021 11:04	SW-DRYWT	WP MTN
89302	S-10 (6')	Solids	11/23/2021 10:05	11/23/2021 11:04	8082A	WP MTN
89303	S-11 (2')	Solids	11/22/2021 11:50	11/23/2021 11:04	SW-DRYWT	WP MTN
89303	S-11 (2')	Solids	11/22/2021 11:50	11/23/2021 11:04	8082A	WP MTN
89304	S-11 (4')	Solids	11/22/2021 11:55	11/23/2021 11:04	SW-DRYWT	WP MTN
89304	S-11 (4')	Solids	11/22/2021 11:55	11/23/2021 11:04	8082A	WP MTN
89305	S-12 (2')	Solids	11/22/2021 12:40	11/23/2021 11:04	SW-DRYWT	WP MTN
89305	S-12 (2')	Solids	11/22/2021 12:40	11/23/2021 11:04	8082A	WP MTN
89306	S-12 (5')	Solids	11/22/2021 13:00	11/23/2021 11:04	SW-DRYWT	WP MTN
89306	S-12 (5')	Solids	11/22/2021 13:00	11/23/2021 11:04	8082A	WP MTN
89307	S-13 (2')	Solids	11/22/2021 14:00	11/23/2021 11:04	SW-DRYWT	WP MTN
89307	S-13 (2')	Solids	11/22/2021 14:00	11/23/2021 11:04	8082A	WP MTN

WP MTN - Memphis, TN: Waypoint Analytical - TN, Memphis, TN

**Sample Summary Table**

**Report Number:** 21-327-0004  
**Client Project Description:** Charlotte Wye Track

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
89308	S-13 (5')	Solids	11/22/2021 14:15	11/23/2021 11:04	SW-DRYWT	WP MTN
89308	S-13 (5')	Solids	11/22/2021 14:15	11/23/2021 11:04	8082A	WP MTN
89309	S-14 (2')	Solids	11/22/2021 14:35	11/23/2021 11:04	SW-DRYWT	WP MTN
89309	S-14 (2')	Solids	11/22/2021 14:35	11/23/2021 11:04	8082A	WP MTN
89310	S-14 (4')	Solids	11/22/2021 14:40	11/23/2021 11:04	SW-DRYWT	WP MTN
89310	S-14 (4')	Solids	11/22/2021 14:40	11/23/2021 11:04	8082A	WP MTN
89311	S-14 (6')	Solids	11/22/2021 14:45	11/23/2021 11:04	SW-DRYWT	WP MTN
89311	S-14 (6')	Solids	11/22/2021 14:45	11/23/2021 11:04	8082A	WP MTN

Summary of Detected Analytes

**Project:** Charlotte Wye Track

**Report Number:** 21-327-0004

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>S-1 (2')</b>	<b>V 89281</b>							
8082A	Aroclor 1254			0.0223	mg/Kg - dry	0.0028	12/03/2021 14:51	
SW-DRYWT	Moisture			23.2	%		12/01/2021 16:52	
<b>S-1 (4')</b>	<b>V 89282</b>							
8082A	Aroclor 1254			0.0397	mg/Kg - dry	0.0028	12/03/2021 15:10	
SW-DRYWT	Moisture			21.2	%		12/01/2021 16:52	
<b>S-2 (2')</b>	<b>V 89283</b>							
8082A	Aroclor 1254			0.125	mg/Kg - dry	0.0027	12/03/2021 15:30	
SW-DRYWT	Moisture			18.5	%		12/01/2021 16:52	
<b>S-2 (4')</b>	<b>V 89284</b>							
8082A	Aroclor 1254			0.0196	mg/Kg - dry	0.0030	12/03/2021 15:49	
SW-DRYWT	Moisture			28.1	%		12/01/2021 16:52	
<b>S-3 (2')</b>	<b>V 89285</b>							
SW-DRYWT	Moisture			26.4	%		12/01/2021 16:52	
<b>S-3 (5')</b>	<b>V 89286</b>							
SW-DRYWT	Moisture			24.0	%		12/01/2021 16:52	
<b>S-4 (2')</b>	<b>V 89287</b>							
SW-DRYWT	Moisture			16.5	%		12/01/2021 16:52	
<b>S-4 (5')</b>	<b>V 89288</b>							
8082A	Aroclor 1254			0.0110	mg/Kg - dry	0.0028	12/03/2021 17:38	
SW-DRYWT	Moisture			21.3	%		12/01/2021 16:52	
<b>S-5 (2')</b>	<b>V 89289</b>							
8082A	Aroclor 1254			0.0566	mg/Kg - dry	0.0026	12/03/2021 17:57	
SW-DRYWT	Moisture			16.0	%		12/01/2021 16:52	
<b>S-5 (4')</b>	<b>V 89290</b>							
8082A	Aroclor 1254			0.0524	mg/Kg - dry	0.0026	12/03/2021 18:17	
SW-DRYWT	Moisture			15.8	%		12/02/2021 16:06	
<b>S-5 (6')</b>	<b>V 89291</b>							
8082A	Aroclor 1254			0.0905	mg/Kg - dry	0.0026	12/03/2021 18:36	
SW-DRYWT	Moisture			17.4	%		12/02/2021 16:06	

Summary of Detected Analytes

**Project:** Charlotte Wye Track

**Report Number:** 21-327-0004

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>S-6 (2')</b>	<b>V 89292</b>							
8082A	Aroclor 1254			8.03	mg/Kg - dry	0.263	12/06/2021 14:03	
SW-DRYWT	Moisture			15.7	%		12/02/2021 16:06	
<b>S-6 (3')</b>	<b>V 89293</b>							
8082A	Aroclor 1254			1.53	mg/Kg - dry	0.0309	12/03/2021 20:56	
SW-DRYWT	Moisture			28.2	%		12/02/2021 16:06	
<b>S-7 (2')</b>	<b>V 89294</b>							
8082A	Aroclor 1254			0.0178	mg/Kg - dry	0.0029	12/03/2021 21:18	
SW-DRYWT	Moisture			25.0	%		12/02/2021 16:06	
<b>S-7 (4')</b>	<b>V 89295</b>							
SW-DRYWT	Moisture			25.9	%		12/02/2021 16:06	
<b>S-8 (2')</b>	<b>V 89296</b>							
SW-DRYWT	Moisture			18.9	%		12/02/2021 16:06	
<b>S-8 (5')</b>	<b>V 89297</b>							
SW-DRYWT	Moisture			24.7	%		12/02/2021 16:06	
<b>S-9 (2')</b>	<b>V 89298</b>							
8082A	Aroclor 1254			0.813	mg/Kg - dry	0.0394	12/03/2021 22:49	
SW-DRYWT	Moisture			43.7	%		12/02/2021 16:06	
<b>S-9 (5')</b>	<b>V 89299</b>							
8082A	Aroclor 1254			0.712	mg/Kg - dry	0.0367	12/03/2021 23:11	
SW-DRYWT	Moisture			66.3	%		12/02/2021 16:06	
<b>S-10 (2')</b>	<b>V 89300</b>							
8082A	Aroclor 1254			0.0128	mg/Kg - dry	0.0025	12/03/2021 23:33	
SW-DRYWT	Moisture			13.7	%		12/02/2021 16:15	
<b>S-10 (4')</b>	<b>V 89301</b>							
SW-DRYWT	Moisture			14.6	%		12/02/2021 16:15	
<b>S-10 (6')</b>	<b>V 89302</b>							
SW-DRYWT	Moisture			17.3	%		12/02/2021 16:15	
<b>S-11 (2')</b>	<b>V 89303</b>							
8082A	Aroclor 1254			0.182	mg/Kg - dry	0.0040	12/04/2021 00:39	

Summary of Detected Analytes

**Project:** Charlotte Wye Track

**Report Number:** 21-327-0004

Client Sample ID	Lab Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>S-11 (2')</b>	<b>V 89303</b>					
SW-DRYWT	Moisture	45.5	%		12/02/2021 16:15	
<b>S-11 (4')</b>	<b>V 89304</b>					
8082A	Aroclor 1254	0.288	mg/Kg - dry	0.0028	12/04/2021 01:02	
SW-DRYWT	Moisture	23.2	%		12/02/2021 16:15	
<b>S-12 (2')</b>	<b>V 89305</b>					
8082A	Aroclor 1254	0.0146	mg/Kg - dry	0.0030	12/04/2021 01:24	
SW-DRYWT	Moisture	27.4	%		12/02/2021 16:15	
<b>S-12 (5')</b>	<b>V 89306</b>					
8082A	Aroclor 1254	0.0184	mg/Kg - dry	0.0029	12/04/2021 01:47	
SW-DRYWT	Moisture	24.8	%		12/02/2021 16:15	
<b>S-13 (2')</b>	<b>V 89307</b>					
8082A	Aroclor 1254	0.0129	mg/Kg - dry	0.0026	12/04/2021 02:09	
SW-DRYWT	Moisture	17.6	%		12/02/2021 16:15	
<b>S-13 (5')</b>	<b>V 89308</b>					
8082A	Aroclor 1254	0.0238	mg/Kg - dry	0.0026	12/04/2021 02:31	
SW-DRYWT	Moisture	17.0	%		12/02/2021 16:15	
<b>S-14 (2')</b>	<b>V 89309</b>					
8082A	Aroclor 1254	0.0883	mg/Kg - dry	0.0026	12/04/2021 03:37	
SW-DRYWT	Moisture	16.4	%		12/02/2021 16:15	
<b>S-14 (4')</b>	<b>V 89310</b>					
SW-DRYWT	Moisture	12.2	%		12/02/2021 13:35	
<b>S-14 (6')</b>	<b>V 89311</b>					
8082A	Aroclor 1254	0.0125	mg/Kg - dry	0.0026	12/04/2021 04:21	
SW-DRYWT	Moisture	16.4	%		12/02/2021 13:35	



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Client: Mid-Atlantic Associates, Inc. - Charlotte  
Project: Charlotte Wye Track  
Lab Report Number: 21-327-0004  
Date: 12/7/2021

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**CASE NARRATIVE**

**Ultrasonic Extraction for PCB's Method 3550B**

Sample 89299 (S-9 (5'))

QC Batch No: L587839/L587839

The weight/volume extracted was reduced during the extraction procedure due to the nature of the sample.  
Reporting limits are factored for the sample size reduction.

**Polychlorinated Biphenyls (PCB's) Method 8082A**

Sample 89310 (S-14 (4'))

QC Batch No: L588251

The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.





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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89281**  
 Sample ID : **S-1 (2')**

Matrix: **Solids**  
 Sampled: **11/22/2021 11:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>23.2</b>	%			1	12/01/21 16:52	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89281**

Matrix: **Solids**

Sample ID : **S-1 (2')**

Sampled: **11/22/2021 11:40**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0030	mg/Kg - dry	0.0030	0.0086	1	12/03/21 14:51	VIC	L587977
Aroclor 1221	<0.0028	mg/Kg - dry	0.0028	0.0086	1	12/03/21 14:51	VIC	L587977
Aroclor 1232	<0.0028	mg/Kg - dry	0.0028	0.0086	1	12/03/21 14:51	VIC	L587977
Aroclor 1242	<0.0028	mg/Kg - dry	0.0028	0.0086	1	12/03/21 14:51	VIC	L587977
Aroclor 1248	<0.0028	mg/Kg - dry	0.0028	0.0086	1	12/03/21 14:51	VIC	L587977
Aroclor 1254	<b>0.0223</b>	mg/Kg - dry	0.0028	0.0086	1	12/03/21 14:51	VIC	L587977
Aroclor 1260	<0.0030	mg/Kg - dry	0.0030	0.0086	1	12/03/21 14:51	VIC	L587977
Surrogate: Decachlorobiphenyl	34.3			Limits: 17-141%	1	12/03/21 14:51		L587977
Surrogate: Tetrachloro-m-xylene	51.8			Limits: 20-122%	1	12/03/21 14:51		L587977

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89282**  
 Sample ID : **S-1 (4')**

Matrix: **Solids**  
 Sampled: **11/22/2021 11:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>21.2</b>	%			1	12/01/21 16:52	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89282**

Matrix: **Solids**

Sample ID : **S-1 (4')**

Sampled: **11/22/2021 11:50**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0029	mg/Kg - dry	0.0029	0.0084	1	12/03/21 15:10	VIC	L587977
Aroclor 1221	<0.0028	mg/Kg - dry	0.0028	0.0084	1	12/03/21 15:10	VIC	L587977
Aroclor 1232	<0.0028	mg/Kg - dry	0.0028	0.0084	1	12/03/21 15:10	VIC	L587977
Aroclor 1242	<0.0028	mg/Kg - dry	0.0028	0.0084	1	12/03/21 15:10	VIC	L587977
Aroclor 1248	<0.0028	mg/Kg - dry	0.0028	0.0084	1	12/03/21 15:10	VIC	L587977
Aroclor 1254	<b>0.0397</b>	mg/Kg - dry	0.0028	0.0084	1	12/03/21 15:10	VIC	L587977
Aroclor 1260	<0.0030	mg/Kg - dry	0.0030	0.0084	1	12/03/21 15:10	VIC	L587977
Surrogate: Decachlorobiphenyl	38.5		Limits: 17-141%		1	12/03/21 15:10		L587977
Surrogate: Tetrachloro-m-xylene	45.5		Limits: 20-122%		1	12/03/21 15:10		L587977

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89283**  
 Sample ID : **S-2 (2')**

Matrix: **Solids**  
 Sampled: **11/22/2021 12:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>18.5</b>	%			1	12/01/21 16:52	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89283**

Matrix: **Solids**

Sample ID : **S-2 (2')**

Sampled: **11/22/2021 12:20**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0028	mg/Kg - dry	0.0028	0.0081	1	12/03/21 15:30	VIC	L587977
Aroclor 1221	<0.0027	mg/Kg - dry	0.0027	0.0081	1	12/03/21 15:30	VIC	L587977
Aroclor 1232	<0.0027	mg/Kg - dry	0.0027	0.0081	1	12/03/21 15:30	VIC	L587977
Aroclor 1242	<0.0027	mg/Kg - dry	0.0027	0.0081	1	12/03/21 15:30	VIC	L587977
Aroclor 1248	<0.0027	mg/Kg - dry	0.0027	0.0081	1	12/03/21 15:30	VIC	L587977
Aroclor 1254	<b>0.125</b>	mg/Kg - dry	0.0027	0.0081	1	12/03/21 15:30	VIC	L587977
Aroclor 1260	<0.0029	mg/Kg - dry	0.0029	0.0081	1	12/03/21 15:30	VIC	L587977
Surrogate: Decachlorobiphenyl	40.0		Limits: 17-141%		1	12/03/21 15:30		L587977
Surrogate: Tetrachloro-m-xylene	47.4		Limits: 20-122%		1	12/03/21 15:30		L587977

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89284**  
 Sample ID : **S-2 (4')**

Matrix: **Solids**  
 Sampled: **11/22/2021 12:22**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>28.1</b>	%			1	12/01/21 16:52	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Project Charlotte Wye Track  
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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89284**

Matrix: **Solids**

Sample ID : **S-2 (4')**

Sampled: **11/22/2021 12:22**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0032	mg/Kg - dry	0.0032	0.0092	1	12/03/21 15:49	VIC	L587977
Aroclor 1221	<0.0030	mg/Kg - dry	0.0030	0.0092	1	12/03/21 15:49	VIC	L587977
Aroclor 1232	<0.0030	mg/Kg - dry	0.0030	0.0092	1	12/03/21 15:49	VIC	L587977
Aroclor 1242	<0.0030	mg/Kg - dry	0.0030	0.0092	1	12/03/21 15:49	VIC	L587977
Aroclor 1248	<0.0030	mg/Kg - dry	0.0030	0.0092	1	12/03/21 15:49	VIC	L587977
Aroclor 1254	<b>0.0196</b>	mg/Kg - dry	0.0030	0.0092	1	12/03/21 15:49	VIC	L587977
Aroclor 1260	<0.0032	mg/Kg - dry	0.0032	0.0092	1	12/03/21 15:49	VIC	L587977
Surrogate: Decachlorobiphenyl	31.7			Limits: 17-141%	1	12/03/21 15:49		L587977
Surrogate: Tetrachloro-m-xylene	45.7			Limits: 20-122%	1	12/03/21 15:49		L587977

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit





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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89285**  
 Sample ID : **S-3 (2')**

Matrix: **Solids**  
 Sampled: **11/22/2021 13:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>26.4</b>	%			1	12/01/21 16:52	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Information :

Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89285**

Matrix: **Solids**

Sample ID : **S-3 (2')**

Sampled: **11/22/2021 13:20**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0031	mg/Kg - dry	0.0031	0.0090	1	12/03/21 16:09	VIC	L587977
Aroclor 1221	<0.0030	mg/Kg - dry	0.0030	0.0090	1	12/03/21 16:09	VIC	L587977
Aroclor 1232	<0.0030	mg/Kg - dry	0.0030	0.0090	1	12/03/21 16:09	VIC	L587977
Aroclor 1242	<0.0030	mg/Kg - dry	0.0030	0.0090	1	12/03/21 16:09	VIC	L587977
Aroclor 1248	<0.0030	mg/Kg - dry	0.0030	0.0090	1	12/03/21 16:09	VIC	L587977
Aroclor 1254	<0.0030	mg/Kg - dry	0.0030	0.0090	1	12/03/21 16:09	VIC	L587977
Aroclor 1260	<0.0032	mg/Kg - dry	0.0032	0.0090	1	12/03/21 16:09	VIC	L587977
Surrogate: Decachlorobiphenyl	34.0			Limits: 17-141%	1	12/03/21 16:09		L587977
Surrogate: Tetrachloro-m-xylene	58.4			Limits: 20-122%	1	12/03/21 16:09		L587977

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89286**  
 Sample ID : **S-3 (5')**

Matrix: **Solids**  
 Sampled: **11/22/2021 13:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>24.0</b>	%			1	12/01/21 16:52	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89286**

Matrix: **Solids**

Sample ID : **S-3 (5')**

Sampled: **11/22/2021 13:40**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08

**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0030	mg/Kg - dry	0.0030	0.0087	1	12/03/21 16:59	VIC	L587977
Aroclor 1221	<0.0029	mg/Kg - dry	0.0029	0.0087	1	12/03/21 16:59	VIC	L587977
Aroclor 1232	<0.0029	mg/Kg - dry	0.0029	0.0087	1	12/03/21 16:59	VIC	L587977
Aroclor 1242	<0.0029	mg/Kg - dry	0.0029	0.0087	1	12/03/21 16:59	VIC	L587977
Aroclor 1248	<0.0029	mg/Kg - dry	0.0029	0.0087	1	12/03/21 16:59	VIC	L587977
Aroclor 1254	<0.0029	mg/Kg - dry	0.0029	0.0087	1	12/03/21 16:59	VIC	L587977
Aroclor 1260	<0.0031	mg/Kg - dry	0.0031	0.0087	1	12/03/21 16:59	VIC	L587977
Surrogate: Decachlorobiphenyl	33.4			Limits: 17-141%	1	12/03/21 16:59		L587977
Surrogate: Tetrachloro-m-xylene	51.3			Limits: 20-122%	1	12/03/21 16:59		L587977

**Qualifiers/  
Definitions**

DF Dilution Factor

MQL Method Quantitation Limit

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Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89287**  
Sample ID : **S-4 (2')**

Matrix: **Solids**  
Sampled: **11/22/2021 14:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>16.5</b>	%			1	12/01/21 16:52	FMM	SW-DRYWT

**Qualifiers/  
Definitions**

DF Dilution Factor  
MQL Method Quantitation Limit

L Limit Exceeded

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Troy Holzschuh  
1125 E. Morehead Street, Suite 104  
Charlotte, NC 28204

Project Charlotte Wye Track  
Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89287**

Matrix: **Solids**

Sample ID : **S-4 (2')**

Sampled: **11/22/2021 14:00**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0028	mg/Kg - dry	0.0028	0.0079	1	12/03/21 17:18	VIC	L587977
Aroclor 1221	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 17:18	VIC	L587977
Aroclor 1232	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 17:18	VIC	L587977
Aroclor 1242	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 17:18	VIC	L587977
Aroclor 1248	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 17:18	VIC	L587977
Aroclor 1254	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 17:18	VIC	L587977
Aroclor 1260	<0.0028	mg/Kg - dry	0.0028	0.0079	1	12/03/21 17:18	VIC	L587977
Surrogate: Decachlorobiphenyl	52.3			Limits: 17-141%	1	12/03/21 17:18		L587977
Surrogate: Tetrachloro-m-xylene	61.9			Limits: 20-122%	1	12/03/21 17:18		L587977

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89288**  
 Sample ID : **S-4 (5')**

Matrix: **Solids**  
 Sampled: **11/22/2021 14:10**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>21.3</b>	%			1	12/01/21 16:52	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Project Charlotte Wye Track  
Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89288**

Matrix: **Solids**

Sample ID : **S-4 (5')**

Sampled: **11/22/2021 14:10**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0029	mg/Kg - dry	0.0029	0.0084	1	12/03/21 17:38	VIC	L587977
Aroclor 1221	<0.0028	mg/Kg - dry	0.0028	0.0084	1	12/03/21 17:38	VIC	L587977
Aroclor 1232	<0.0028	mg/Kg - dry	0.0028	0.0084	1	12/03/21 17:38	VIC	L587977
Aroclor 1242	<0.0028	mg/Kg - dry	0.0028	0.0084	1	12/03/21 17:38	VIC	L587977
Aroclor 1248	<0.0028	mg/Kg - dry	0.0028	0.0084	1	12/03/21 17:38	VIC	L587977
Aroclor 1254	<b>0.0110</b>	mg/Kg - dry	0.0028	0.0084	1	12/03/21 17:38	VIC	L587977
Aroclor 1260	<0.0030	mg/Kg - dry	0.0030	0.0084	1	12/03/21 17:38	VIC	L587977
Surrogate: Decachlorobiphenyl	35.6		Limits: 17-141%		1	12/03/21 17:38		L587977
Surrogate: Tetrachloro-m-xylene	50.8		Limits: 20-122%		1	12/03/21 17:38		L587977

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit





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 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89289**  
 Sample ID : **S-5 (2')**

Matrix: **Solids**  
 Sampled: **11/22/2021 14:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>16.0</b>	%			1	12/01/21 16:52	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89289**

Matrix: **Solids**

Sample ID : **S-5 (2')**

Sampled: **11/22/2021 14:40**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0027	mg/Kg - dry	0.0027	0.0079	1	12/03/21 17:57	VIC	L587977
Aroclor 1221	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 17:57	VIC	L587977
Aroclor 1232	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 17:57	VIC	L587977
Aroclor 1242	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 17:57	VIC	L587977
Aroclor 1248	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 17:57	VIC	L587977
Aroclor 1254	<b>0.0566</b>	mg/Kg - dry	0.0026	0.0079	1	12/03/21 17:57	VIC	L587977
Aroclor 1260	<0.0028	mg/Kg - dry	0.0028	0.0079	1	12/03/21 17:57	VIC	L587977
Surrogate: Decachlorobiphenyl	34.1		Limits: 17-141%		1	12/03/21 17:57		L587977
Surrogate: Tetrachloro-m-xylene	48.6		Limits: 20-122%		1	12/03/21 17:57		L587977

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89290**  
 Sample ID : **S-5 (4')**

Matrix: **Solids**  
 Sampled: **11/22/2021 14:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>15.8</b>	%			1	12/02/21 16:06	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89290**

Matrix: **Solids**

Sample ID : **S-5 (4')**

Sampled: **11/22/2021 14:50**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0027	mg/Kg - dry	0.0027	0.0079	1	12/03/21 18:17	VIC	L587977
Aroclor 1221	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 18:17	VIC	L587977
Aroclor 1232	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 18:17	VIC	L587977
Aroclor 1242	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 18:17	VIC	L587977
Aroclor 1248	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 18:17	VIC	L587977
Aroclor 1254	<b>0.0524</b>	mg/Kg - dry	0.0026	0.0079	1	12/03/21 18:17	VIC	L587977
Aroclor 1260	<0.0028	mg/Kg - dry	0.0028	0.0079	1	12/03/21 18:17	VIC	L587977
Surrogate: Decachlorobiphenyl	36.1		Limits: 17-141%		1	12/03/21 18:17		L587977
Surrogate: Tetrachloro-m-xylene	50.4		Limits: 20-122%		1	12/03/21 18:17		L587977

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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 Information :

Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89291**  
 Sample ID : **S-5 (6')**

Matrix: **Solids**  
 Sampled: **11/22/2021 15:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>17.4</b>	%			1	12/02/21 16:06	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89291**  
Sample ID : **S-5 (6')**

Matrix: **Solids**  
Sampled: **11/22/2021 15:00**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0028	mg/Kg - dry	0.0028	0.0080	1	12/03/21 18:36	VIC	L587977
Aroclor 1221	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/03/21 18:36	VIC	L587977
Aroclor 1232	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/03/21 18:36	VIC	L587977
Aroclor 1242	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/03/21 18:36	VIC	L587977
Aroclor 1248	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/03/21 18:36	VIC	L587977
Aroclor 1254	<b>0.0905</b>	mg/Kg - dry	0.0026	0.0080	1	12/03/21 18:36	VIC	L587977
Aroclor 1260	<0.0028	mg/Kg - dry	0.0028	0.0080	1	12/03/21 18:36	VIC	L587977
Surrogate: Decachlorobiphenyl	38.6		Limits: 17-141%		1	12/03/21 18:36		L587977
Surrogate: Tetrachloro-m-xylene	52.3		Limits: 20-122%		1	12/03/21 18:36		L587977

**Qualifiers/Definitions**      DF      Dilution Factor                      MQL      Method Quantitation Limit



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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89292**  
 Sample ID : **S-6 (2')**

Matrix: **Solids**  
 Sampled: **11/22/2021 12:10**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>15.7</b>	%			1	12/02/21 16:06	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89292**

Matrix: **Solids**

Sample ID : **S-6 (2')**

Sampled: **11/22/2021 12:10**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587774** 12/02/21 16:08  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0027	mg/Kg - dry	0.0027	0.0079	1	12/03/21 18:56	VIC	L587977
Aroclor 1221	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 18:56	VIC	L587977
Aroclor 1232	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 18:56	VIC	L587977
Aroclor 1242	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 18:56	VIC	L587977
Aroclor 1248	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/03/21 18:56	VIC	L587977
Aroclor 1254	<b>8.03</b>	mg/Kg - dry	0.263	0.791	100	12/06/21 14:03	VIC	L587977
Aroclor 1260	<0.0028	mg/Kg - dry	0.0028	0.0079	1	12/03/21 18:56	VIC	L587977
Surrogate: Decachlorobiphenyl	99.0			Limits: 17-141%	1	12/03/21 18:56		L587977
Surrogate: Tetrachloro-m-xylene	42.5			Limits: 20-122%	1	12/03/21 18:56		L587977

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit





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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89293**  
 Sample ID : **S-6 (3')**

Matrix: **Solids**  
 Sampled: **11/22/2021 12:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>28.2</b>	%			1	12/02/21 16:06	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89293**

Matrix: **Solids**

Sample ID : **S-6 (3')**

Sampled: **11/22/2021 12:20**

**Analytical Method:** 8082A

**Prep Batch(es):** **L587839** 12/03/21 08:27

**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0325	mg/Kg - dry	0.0325	0.0928	10	12/03/21 20:56	VIC	L588251
Aroclor 1221	<0.0309	mg/Kg - dry	0.0309	0.0928	10	12/03/21 20:56	VIC	L588251
Aroclor 1232	<0.0309	mg/Kg - dry	0.0309	0.0928	10	12/03/21 20:56	VIC	L588251
Aroclor 1242	<0.0309	mg/Kg - dry	0.0309	0.0928	10	12/03/21 20:56	VIC	L588251
Aroclor 1248	<0.0309	mg/Kg - dry	0.0309	0.0928	10	12/03/21 20:56	VIC	L588251
Aroclor 1254	<b>1.53</b>	mg/Kg - dry	0.0309	0.0928	10	12/03/21 20:56	VIC	L588251
Aroclor 1260	<0.0330	mg/Kg - dry	0.0330	0.0928	10	12/03/21 20:56	VIC	L588251
Surrogate: Decachlorobiphenyl	92.8		Limits: 17-141%		10	12/03/21 20:56		L588251
Surrogate: Tetrachloro-m-xylene	47.3		Limits: 20-122%		10	12/03/21 20:56		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89294**  
 Sample ID : **S-7 (2')**

Matrix: **Solids**  
 Sampled: **11/22/2021 12:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>25.0</b>	%			1	12/02/21 16:06	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89294**

Matrix: **Solids**

Sample ID : **S-7 (2')**

Sampled: **11/22/2021 12:45**

**Analytical Method:** 8082A

**Prep Batch(es):** **L587839** 12/03/21 08:27

**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0031	mg/Kg - dry	0.0031	0.0088	1	12/03/21 21:18	VIC	L588251
Aroclor 1221	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/03/21 21:18	VIC	L588251
Aroclor 1232	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/03/21 21:18	VIC	L588251
Aroclor 1242	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/03/21 21:18	VIC	L588251
Aroclor 1248	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/03/21 21:18	VIC	L588251
Aroclor 1254	<b>0.0178</b>	mg/Kg - dry	0.0029	0.0088	1	12/03/21 21:18	VIC	L588251
Aroclor 1260	<0.0031	mg/Kg - dry	0.0031	0.0088	1	12/03/21 21:18	VIC	L588251
Surrogate: Decachlorobiphenyl	116		Limits: 17-141%		1	12/03/21 21:18		L588251
Surrogate: Tetrachloro-m-xylene	58.1		Limits: 20-122%		1	12/03/21 21:18		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89295**  
 Sample ID : **S-7 (4')**

Matrix: **Solids**  
 Sampled: **11/22/2021 13:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>25.9</b>	%			1	12/02/21 16:06	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89295**  
Sample ID : **S-7 (4')**

Matrix: **Solids**  
Sampled: **11/22/2021 13:00**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0031	mg/Kg - dry	0.0031	0.0090	1	12/03/21 21:42	VIC	L588251
Aroclor 1221	<0.0029	mg/Kg - dry	0.0029	0.0090	1	12/03/21 21:42	VIC	L588251
Aroclor 1232	<0.0029	mg/Kg - dry	0.0029	0.0090	1	12/03/21 21:42	VIC	L588251
Aroclor 1242	<0.0029	mg/Kg - dry	0.0029	0.0090	1	12/03/21 21:42	VIC	L588251
Aroclor 1248	<0.0029	mg/Kg - dry	0.0029	0.0090	1	12/03/21 21:42	VIC	L588251
Aroclor 1254	<0.0029	mg/Kg - dry	0.0029	0.0090	1	12/03/21 21:42	VIC	L588251
Aroclor 1260	<0.0031	mg/Kg - dry	0.0031	0.0090	1	12/03/21 21:42	VIC	L588251
Surrogate: Decachlorobiphenyl	46.5			Limits: 17-141%	1	12/03/21 21:42		L588251
Surrogate: Tetrachloro-m-xylene	47.7			Limits: 20-122%	1	12/03/21 21:42		L588251

**Qualifiers/Definitions**      DF      Dilution Factor                      MQL      Method Quantitation Limit



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 Charlotte , NC 28204

Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89296**  
 Sample ID : **S-8 (2')**

Matrix: **Solids**  
 Sampled: **11/23/2021 9:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>18.9</b>	%			1	12/02/21 16:06	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89296**

Matrix: **Solids**

Sample ID : **S-8 (2')**

Sampled: **11/23/2021 9:50**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0028	mg/Kg - dry	0.0028	0.0082	1	12/03/21 22:05	VIC	L588251
Aroclor 1221	<0.0027	mg/Kg - dry	0.0027	0.0082	1	12/03/21 22:05	VIC	L588251
Aroclor 1232	<0.0027	mg/Kg - dry	0.0027	0.0082	1	12/03/21 22:05	VIC	L588251
Aroclor 1242	<0.0027	mg/Kg - dry	0.0027	0.0082	1	12/03/21 22:05	VIC	L588251
Aroclor 1248	<0.0027	mg/Kg - dry	0.0027	0.0082	1	12/03/21 22:05	VIC	L588251
Aroclor 1254	<0.0027	mg/Kg - dry	0.0027	0.0082	1	12/03/21 22:05	VIC	L588251
Aroclor 1260	<0.0029	mg/Kg - dry	0.0029	0.0082	1	12/03/21 22:05	VIC	L588251
Surrogate: Decachlorobiphenyl	40.2			Limits: 17-141%	1	12/03/21 22:05		L588251
Surrogate: Tetrachloro-m-xylene	54.8			Limits: 20-122%	1	12/03/21 22:05		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit





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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89297**  
 Sample ID : **S-8 (5')**

Matrix: **Solids**  
 Sampled: **11/23/2021 10:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>24.7</b>	%			1	12/02/21 16:06	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89297**

Matrix: **Solids**

Sample ID : **S-8 (5')**

Sampled: **11/23/2021 10:00**

**Analytical Method:** 8082A

**Prep Batch(es):** **L587839** 12/03/21 08:27

**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0031	mg/Kg - dry	0.0031	0.0088	1	12/03/21 22:27	VIC	L588251
Aroclor 1221	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/03/21 22:27	VIC	L588251
Aroclor 1232	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/03/21 22:27	VIC	L588251
Aroclor 1242	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/03/21 22:27	VIC	L588251
Aroclor 1248	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/03/21 22:27	VIC	L588251
Aroclor 1254	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/03/21 22:27	VIC	L588251
Aroclor 1260	<0.0031	mg/Kg - dry	0.0031	0.0088	1	12/03/21 22:27	VIC	L588251
Surrogate: Decachlorobiphenyl	48.4			Limits: 17-141%	1	12/03/21 22:27		L588251
Surrogate: Tetrachloro-m-xylene	65.5			Limits: 20-122%	1	12/03/21 22:27		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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 Information :

Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89298**  
 Sample ID : **S-9 (2')**

Matrix: **Solids**  
 Sampled: **11/22/2021 14:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>43.7</b>	%			1	12/02/21 16:06	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89298**

Matrix: **Solids**

Sample ID : **S-9 (2')**

Sampled: **11/22/2021 14:20**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0415	mg/Kg - dry	0.0415	0.118	10	12/03/21 22:49	VIC	L588251
Aroclor 1221	<0.0394	mg/Kg - dry	0.0394	0.118	10	12/03/21 22:49	VIC	L588251
Aroclor 1232	<0.0394	mg/Kg - dry	0.0394	0.118	10	12/03/21 22:49	VIC	L588251
Aroclor 1242	<0.0394	mg/Kg - dry	0.0394	0.118	10	12/03/21 22:49	VIC	L588251
Aroclor 1248	<0.0394	mg/Kg - dry	0.0394	0.118	10	12/03/21 22:49	VIC	L588251
Aroclor 1254	<b>0.813</b>	mg/Kg - dry	0.0394	0.118	10	12/03/21 22:49	VIC	L588251
Aroclor 1260	<0.0420	mg/Kg - dry	0.0420	0.118	10	12/03/21 22:49	VIC	L588251
Surrogate: Decachlorobiphenyl	32.8		Limits: 17-141%		10	12/03/21 22:49		L588251
Surrogate: Tetrachloro-m-xylene	47.9		Limits: 20-122%		10	12/03/21 22:49		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89299**  
 Sample ID : **S-9 (5')**

Matrix: **Solids**  
 Sampled: **11/22/2021 14:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>66.3</b>	%			1	12/02/21 16:06	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89299**

Matrix: **Solids**

Sample ID : **S-9 (5')**

Sampled: **11/22/2021 14:30**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0388	mg/Kg - dry	0.0388	0.110	1	12/03/21 23:11	VIC	L588251
Aroclor 1221	<0.0367	mg/Kg - dry	0.0367	0.110	1	12/03/21 23:11	VIC	L588251
Aroclor 1232	<0.0367	mg/Kg - dry	0.0367	0.110	1	12/03/21 23:11	VIC	L588251
Aroclor 1242	<0.0367	mg/Kg - dry	0.0367	0.110	1	12/03/21 23:11	VIC	L588251
Aroclor 1248	<0.0367	mg/Kg - dry	0.0367	0.110	1	12/03/21 23:11	VIC	L588251
Aroclor 1254	<b>0.712</b>	mg/Kg - dry	0.0367	0.110	1	12/03/21 23:11	VIC	L588251
Aroclor 1260	<0.0391	mg/Kg - dry	0.0391	0.110	1	12/03/21 23:11	VIC	L588251
Surrogate: Decachlorobiphenyl	49.6		Limits: 17-141%		1	12/03/21 23:11		L588251
Surrogate: Tetrachloro-m-xylene	72.2		Limits: 20-122%		1	12/03/21 23:11		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89300**

Matrix: **Solids**

Sample ID : **S-10 (2')**

Sampled: **11/23/2021 9:55**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>13.7</b>	%			1	12/02/21 16:15	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89300**

Matrix: **Solids**

Sample ID : **S-10 (2')**

Sampled: **11/23/2021 9:55**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27

**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0027	mg/Kg - dry	0.0027	0.0077	1	12/03/21 23:33	VIC	L588251
Aroclor 1221	<0.0025	mg/Kg - dry	0.0025	0.0077	1	12/03/21 23:33	VIC	L588251
Aroclor 1232	<0.0025	mg/Kg - dry	0.0025	0.0077	1	12/03/21 23:33	VIC	L588251
Aroclor 1242	<0.0025	mg/Kg - dry	0.0025	0.0077	1	12/03/21 23:33	VIC	L588251
Aroclor 1248	<0.0025	mg/Kg - dry	0.0025	0.0077	1	12/03/21 23:33	VIC	L588251
Aroclor 1254	<b>0.0128</b>	mg/Kg - dry	0.0025	0.0077	1	12/03/21 23:33	VIC	L588251
Aroclor 1260	<0.0027	mg/Kg - dry	0.0027	0.0077	1	12/03/21 23:33	VIC	L588251
Surrogate: Decachlorobiphenyl	45.6		Limits: 17-141%		1	12/03/21 23:33		L588251
Surrogate: Tetrachloro-m-xylene	58.9		Limits: 20-122%		1	12/03/21 23:33		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit





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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89301**

Matrix: **Solids**

Sample ID : **S-10 (4')**

Sampled: **11/23/2021 10:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>14.6</b>	%			1	12/02/21 16:15	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89301**

Matrix: **Solids**

Sample ID : **S-10 (4')**

Sampled: **11/23/2021 10:00**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0027	mg/Kg - dry	0.0027	0.0078	1	12/03/21 23:55	VIC	L588251
Aroclor 1221	<0.0025	mg/Kg - dry	0.0025	0.0078	1	12/03/21 23:55	VIC	L588251
Aroclor 1232	<0.0025	mg/Kg - dry	0.0025	0.0078	1	12/03/21 23:55	VIC	L588251
Aroclor 1242	<0.0025	mg/Kg - dry	0.0025	0.0078	1	12/03/21 23:55	VIC	L588251
Aroclor 1248	<0.0025	mg/Kg - dry	0.0025	0.0078	1	12/03/21 23:55	VIC	L588251
Aroclor 1254	<0.0025	mg/Kg - dry	0.0025	0.0078	1	12/03/21 23:55	VIC	L588251
Aroclor 1260	<0.0027	mg/Kg - dry	0.0027	0.0078	1	12/03/21 23:55	VIC	L588251
Surrogate: Decachlorobiphenyl	47.5			Limits: 17-141%	1	12/03/21 23:55		L588251
Surrogate: Tetrachloro-m-xylene	63.3			Limits: 20-122%	1	12/03/21 23:55		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89302**  
 Sample ID : **S-10 (6')**

Matrix: **Solids**  
 Sampled: **11/23/2021 10:05**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>17.3</b>	%			1	12/02/21 16:15	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89302**

Matrix: **Solids**

Sample ID : **S-10 (6')**

Sampled: **11/23/2021 10:05**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0028	mg/Kg - dry	0.0028	0.0080	1	12/04/21 00:17	VIC	L588251
Aroclor 1221	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 00:17	VIC	L588251
Aroclor 1232	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 00:17	VIC	L588251
Aroclor 1242	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 00:17	VIC	L588251
Aroclor 1248	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 00:17	VIC	L588251
Aroclor 1254	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 00:17	VIC	L588251
Aroclor 1260	<0.0028	mg/Kg - dry	0.0028	0.0080	1	12/04/21 00:17	VIC	L588251
Surrogate: Decachlorobiphenyl	44.7			Limits: 17-141%	1	12/04/21 00:17		L588251
Surrogate: Tetrachloro-m-xylene	68.3			Limits: 20-122%	1	12/04/21 00:17		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89303**

Matrix: **Solids**

Sample ID : **S-11 (2')**

Sampled: **11/22/2021 11:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>45.5</b>	%			1	12/02/21 16:15	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89303**

Matrix: **Solids**

Sample ID : **S-11 (2')**

Sampled: **11/22/2021 11:50**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0042	mg/Kg - dry	0.0042	0.0122	1	12/04/21 00:39	VIC	L588251
Aroclor 1221	<0.0040	mg/Kg - dry	0.0040	0.0122	1	12/04/21 00:39	VIC	L588251
Aroclor 1232	<0.0040	mg/Kg - dry	0.0040	0.0122	1	12/04/21 00:39	VIC	L588251
Aroclor 1242	<0.0040	mg/Kg - dry	0.0040	0.0122	1	12/04/21 00:39	VIC	L588251
Aroclor 1248	<0.0040	mg/Kg - dry	0.0040	0.0122	1	12/04/21 00:39	VIC	L588251
Aroclor 1254	<b>0.182</b>	mg/Kg - dry	0.0040	0.0122	1	12/04/21 00:39	VIC	L588251
Aroclor 1260	<0.0043	mg/Kg - dry	0.0043	0.0122	1	12/04/21 00:39	VIC	L588251
Surrogate: Decachlorobiphenyl	44.7		Limits: 17-141%		1	12/04/21 00:39		L588251
Surrogate: Tetrachloro-m-xylene	60.1		Limits: 20-122%		1	12/04/21 00:39		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89304**

Matrix: **Solids**

Sample ID : **S-11 (4')**

Sampled: **11/22/2021 11:55**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>23.2</b>	%			1	12/02/21 16:15	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

01138

Mid-Atlantic Associates, Inc. - Charlotte  
Troy Holzschuh  
1125 E. Morehead Street, Suite 104  
Charlotte, NC 28204

Project Charlotte Wye Track  
Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89304**

Matrix: **Solids**

Sample ID : **S-11 (4')**

Sampled: **11/22/2021 11:55**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0030	mg/Kg - dry	0.0030	0.0086	1	12/04/21 01:02	VIC	L588251
Aroclor 1221	<0.0028	mg/Kg - dry	0.0028	0.0086	1	12/04/21 01:02	VIC	L588251
Aroclor 1232	<0.0028	mg/Kg - dry	0.0028	0.0086	1	12/04/21 01:02	VIC	L588251
Aroclor 1242	<0.0028	mg/Kg - dry	0.0028	0.0086	1	12/04/21 01:02	VIC	L588251
Aroclor 1248	<0.0028	mg/Kg - dry	0.0028	0.0086	1	12/04/21 01:02	VIC	L588251
Aroclor 1254	<b>0.288</b>	mg/Kg - dry	0.0028	0.0086	1	12/04/21 01:02	VIC	L588251
Aroclor 1260	<0.0030	mg/Kg - dry	0.0030	0.0086	1	12/04/21 01:02	VIC	L588251
Surrogate: Decachlorobiphenyl	47.9			Limits: 17-141%	1	12/04/21 01:02		L588251
Surrogate: Tetrachloro-m-xylene	66.3			Limits: 20-122%	1	12/04/21 01:02		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit





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 Charlotte, NC 28204

Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89305**

Matrix: **Solids**

Sample ID : **S-12 (2')**

Sampled: **11/22/2021 12:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>27.4</b>	%			1	12/02/21 16:15	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Troy Holzschuh  
1125 E. Morehead Street, Suite 104  
Charlotte, NC 28204

Project Charlotte Wye Track  
Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89305**

Matrix: **Solids**

Sample ID : **S-12 (2')**

Sampled: **11/22/2021 12:40**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0032	mg/Kg - dry	0.0032	0.0091	1	12/04/21 01:24	VIC	L588251
Aroclor 1221	<0.0030	mg/Kg - dry	0.0030	0.0091	1	12/04/21 01:24	VIC	L588251
Aroclor 1232	<0.0030	mg/Kg - dry	0.0030	0.0091	1	12/04/21 01:24	VIC	L588251
Aroclor 1242	<0.0030	mg/Kg - dry	0.0030	0.0091	1	12/04/21 01:24	VIC	L588251
Aroclor 1248	<0.0030	mg/Kg - dry	0.0030	0.0091	1	12/04/21 01:24	VIC	L588251
Aroclor 1254	<b>0.0146</b>	mg/Kg - dry	0.0030	0.0091	1	12/04/21 01:24	VIC	L588251
Aroclor 1260	<0.0032	mg/Kg - dry	0.0032	0.0091	1	12/04/21 01:24	VIC	L588251
Surrogate: Decachlorobiphenyl	44.3			Limits: 17-141%	1	12/04/21 01:24		L588251
Surrogate: Tetrachloro-m-xylene	65.0			Limits: 20-122%	1	12/04/21 01:24		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89306**

Matrix: **Solids**

Sample ID : **S-12 (5')**

Sampled: **11/22/2021 13:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>24.8</b>	%			1	12/02/21 16:15	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Project Charlotte Wye Track  
Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89306**

Matrix: **Solids**

Sample ID : **S-12 (5')**

Sampled: **11/22/2021 13:00**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0031	mg/Kg - dry	0.0031	0.0088	1	12/04/21 01:47	VIC	L588251
Aroclor 1221	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/04/21 01:47	VIC	L588251
Aroclor 1232	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/04/21 01:47	VIC	L588251
Aroclor 1242	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/04/21 01:47	VIC	L588251
Aroclor 1248	<0.0029	mg/Kg - dry	0.0029	0.0088	1	12/04/21 01:47	VIC	L588251
Aroclor 1254	<b>0.0184</b>	mg/Kg - dry	0.0029	0.0088	1	12/04/21 01:47	VIC	L588251
Aroclor 1260	<0.0031	mg/Kg - dry	0.0031	0.0088	1	12/04/21 01:47	VIC	L588251
Surrogate: Decachlorobiphenyl	48.4			Limits: 17-141%	1	12/04/21 01:47		L588251
Surrogate: Tetrachloro-m-xylene	62.6			Limits: 20-122%	1	12/04/21 01:47		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89307**

Matrix: **Solids**

Sample ID : **S-13 (2')**

Sampled: **11/22/2021 14:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>17.6</b>	%			1	12/02/21 16:15	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

01138

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1125 E. Morehead Street, Suite 104  
Charlotte, NC 28204

Project Charlotte Wye Track  
Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89307**

Matrix: **Solids**

Sample ID : **S-13 (2')**

Sampled: **11/22/2021 14:00**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0028	mg/Kg - dry	0.0028	0.0080	1	12/04/21 02:09	VIC	L588251
Aroclor 1221	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 02:09	VIC	L588251
Aroclor 1232	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 02:09	VIC	L588251
Aroclor 1242	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 02:09	VIC	L588251
Aroclor 1248	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 02:09	VIC	L588251
Aroclor 1254	<b>0.0129</b>	mg/Kg - dry	0.0026	0.0080	1	12/04/21 02:09	VIC	L588251
Aroclor 1260	<0.0028	mg/Kg - dry	0.0028	0.0080	1	12/04/21 02:09	VIC	L588251
Surrogate: Decachlorobiphenyl	31.1		Limits: 17-141%		1	12/04/21 02:09		L588251
Surrogate: Tetrachloro-m-xylene	51.8		Limits: 20-122%		1	12/04/21 02:09		L588251

**Qualifiers/Definitions**      DF      Dilution Factor                      MQL      Method Quantitation Limit

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Project Charlotte Wye Track  
Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89308**

Matrix: **Solids**

Sample ID : **S-13 (5')**

Sampled: **11/22/2021 14:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>17.0</b>	%			1	12/02/21 16:15	FMM	SW-DRYWT

**Qualifiers/  
Definitions**

DF Dilution Factor  
MQL Method Quantitation Limit

L Limit Exceeded

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Information :

Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89308**

Matrix: **Solids**

Sample ID : **S-13 (5')**

Sampled: **11/22/2021 14:15**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0028	mg/Kg - dry	0.0028	0.0080	1	12/04/21 02:31	VIC	L588251
Aroclor 1221	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 02:31	VIC	L588251
Aroclor 1232	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 02:31	VIC	L588251
Aroclor 1242	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 02:31	VIC	L588251
Aroclor 1248	<0.0026	mg/Kg - dry	0.0026	0.0080	1	12/04/21 02:31	VIC	L588251
Aroclor 1254	<b>0.0238</b>	mg/Kg - dry	0.0026	0.0080	1	12/04/21 02:31	VIC	L588251
Aroclor 1260	<0.0028	mg/Kg - dry	0.0028	0.0080	1	12/04/21 02:31	VIC	L588251
Surrogate: Decachlorobiphenyl	43.5		Limits: 17-141%		1	12/04/21 02:31		L588251
Surrogate: Tetrachloro-m-xylene	60.8		Limits: 20-122%		1	12/04/21 02:31		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit





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 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89309**

Matrix: **Solids**

Sample ID : **S-14 (2')**

Sampled: **11/22/2021 14:35**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>16.4</b>	%			1	12/02/21 16:15	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

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Information :

Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89309**

Matrix: **Solids**

Sample ID : **S-14 (2')**

Sampled: **11/22/2021 14:35**

**Analytical Method:** 8082A                      **Prep Batch(es):** **L587839** 12/03/21 08:27  
**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0027	mg/Kg - dry	0.0027	0.0079	1	12/04/21 03:37	VIC	L588251
Aroclor 1221	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/04/21 03:37	VIC	L588251
Aroclor 1232	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/04/21 03:37	VIC	L588251
Aroclor 1242	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/04/21 03:37	VIC	L588251
Aroclor 1248	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/04/21 03:37	VIC	L588251
Aroclor 1254	<b>0.0883</b>	mg/Kg - dry	0.0026	0.0079	1	12/04/21 03:37	VIC	L588251
Aroclor 1260	<0.0028	mg/Kg - dry	0.0028	0.0079	1	12/04/21 03:37	VIC	L588251
Surrogate: Decachlorobiphenyl	59.8		Limits: 17-141%		1	12/04/21 03:37		L588251
Surrogate: Tetrachloro-m-xylene	74.4		Limits: 20-122%		1	12/04/21 03:37		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01138

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Project Charlotte Wye Track  
Information :

Report Date : 12/07/2021  
Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89310**  
Sample ID : **S-14 (4')**

Matrix: **Solids**  
Sampled: **11/22/2021 14:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>12.2</b>	%			1	12/02/21 13:35	FMM	SW-DRYWT

**Qualifiers/  
Definitions**

DF Dilution Factor  
MQL Method Quantitation Limit

L Limit Exceeded

01138

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Information :

Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89310**

Matrix: **Solids**

Sample ID : **S-14 (4')**

Sampled: **11/22/2021 14:40**

**Analytical Method:** 8082A

**Prep Batch(es):** **L587839** 12/03/21 08:27

**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0266	mg/Kg - dry	0.0266	0.0759	10	12/04/21 03:59	VIC	L588251
Aroclor 1221	<0.0252	mg/Kg - dry	0.0252	0.0759	10	12/04/21 03:59	VIC	L588251
Aroclor 1232	<0.0252	mg/Kg - dry	0.0252	0.0759	10	12/04/21 03:59	VIC	L588251
Aroclor 1242	<0.0252	mg/Kg - dry	0.0252	0.0759	10	12/04/21 03:59	VIC	L588251
Aroclor 1248	<0.0252	mg/Kg - dry	0.0252	0.0759	10	12/04/21 03:59	VIC	L588251
Aroclor 1254	<0.0252	mg/Kg - dry	0.0252	0.0759	10	12/04/21 03:59	VIC	L588251
Aroclor 1260	<0.0269	mg/Kg - dry	0.0269	0.0759	10	12/04/21 03:59	VIC	L588251
Surrogate: Decachlorobiphenyl	55.1			Limits: 17-141%	10	12/04/21 03:59		L588251
Surrogate: Tetrachloro-m-xylene	66.2			Limits: 20-122%	10	12/04/21 03:59		L588251

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project Charlotte Wye Track  
 Information :

Report Date : 12/07/2021  
 Received : 11/23/2021

Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89311**  
 Sample ID : **S-14 (6')**

Matrix: **Solids**  
 Sampled: **11/22/2021 14:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Moisture	<b>16.4</b>	%			1	12/02/21 13:35	FMM	SW-DRYWT

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded

01138

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Information :

Report Date : 12/07/2021  
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Report Number : **21-327-0004**

**REPORT OF ANALYSIS**

Lab No : **89311**

Matrix: **Solids**

Sample ID : **S-14 (6')**

Sampled: **11/22/2021 14:45**

**Analytical Method:** 8082A

**Prep Batch(es):** **L587839** 12/03/21 08:27

**Prep Method:** 3550C

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Aroclor 1016	<0.0027	mg/Kg - dry	0.0027	0.0079	1	12/04/21 04:21	VIC	L588251
Aroclor 1221	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/04/21 04:21	VIC	L588251
Aroclor 1232	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/04/21 04:21	VIC	L588251
Aroclor 1242	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/04/21 04:21	VIC	L588251
Aroclor 1248	<0.0026	mg/Kg - dry	0.0026	0.0079	1	12/04/21 04:21	VIC	L588251
Aroclor 1254	<b>0.0125</b>	mg/Kg - dry	0.0026	0.0079	1	12/04/21 04:21	VIC	L588251
Aroclor 1260	<0.0028	mg/Kg - dry	0.0028	0.0079	1	12/04/21 04:21	VIC	L588251
Surrogate: Decachlorobiphenyl	43.6		Limits: 17-141%		1	12/04/21 04:21		L588251
Surrogate: Tetrachloro-m-xylene	60.8		Limits: 20-122%		1	12/04/21 04:21		L588251

**Qualifiers/Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

### Quality Control Data

**Client ID:** Mid-Atlantic Associates, Inc. - Charlotte  
**Project Description:** Charlotte Wye Track  
**Report No:** 21-327-0004

**QC Prep:** L587774 **QC Analytical Batch(es):** L587977  
**QC Prep Batch Method:** 3550C **Analysis Method:** 8082A  
**Analysis Description:** Polychlorinated Biphenyls (PCB's)

**Lab Reagent Blank** LRB-L587774 Matrix: SOL  
 Associated Lab Samples: 89281, 89282, 89283, 89284, 89285, 89286, 89287, 89288, 89289, 89290, 89291, 89292

Parameter	Units	Blank Result	MDL	MLQ	Analyzed	% Recovery	% Rec Limits
Aroclor 1016	mg/Kg	<0.0023	0.0023	0.0066	12/03/21 13:33		
Aroclor 1221	mg/Kg	<0.0022	0.0022	0.0066	12/03/21 13:33		
Aroclor 1232	mg/Kg	<0.0022	0.0022	0.0066	12/03/21 13:33		
Aroclor 1242	mg/Kg	<0.0022	0.0022	0.0066	12/03/21 13:33		
Aroclor 1248	mg/Kg	<0.0022	0.0022	0.0066	12/03/21 13:33		
Aroclor 1254	mg/Kg	<0.0022	0.0022	0.0066	12/03/21 13:33		
Aroclor 1260	mg/Kg	<0.0023	0.0023	0.0066	12/03/21 13:33		
Decachlorobiphenyl (S)					12/03/21 13:33	51.5	17-141
Tetrachloro-m-xylene (S)					12/03/21 13:33	61.5	20-122

**Laboratory Control Sample** LCS-L587774

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Aroclor 1016	mg/Kg	0.167	0.150	89.8	25-125
Aroclor 1260	mg/Kg	0.167	0.130	77.8	25-125
Decachlorobiphenyl (S)				56.5	17-141
Tetrachloro-m-xylene (S)				73.0	20-122

**Matrix Spike & Matrix Spike Duplicate** V 89281-MS-L587774 V 89281-MSD-L587774

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Aroclor 1016	mg/Kg	<0.0023	0.163	0.163	0.176	0.184	108	113	25-125	4.4	30
Aroclor 1260	mg/Kg	<0.0023	0.163	0.163	0.131	0.130	80.3	79.7	25-125	0.7	30
Decachlorobiphenyl (S)							36.1	37.2	17-141		
Tetrachloro-m-xylene (S)							48.5	54.8	20-122		

### Quality Control Data

**Client ID:** Mid-Atlantic Associates, Inc. - Charlotte  
**Project Description:** Charlotte Wye Track  
**Report No:** 21-327-0004

**QC Prep:** L587839      **QC Analytical Batch(es):** L588251  
**QC Prep Batch Method:** 3550C      **Analysis Method:** 8082A  
**Analysis Description:** Polychlorinated Biphenyls (PCB's)

**Lab Reagent Blank** LRB-L587839      Matrix: SOL  
 Associated Lab Samples: 89293, 89294, 89295, 89296, 89297, 89298, 89299, 89300, 89301, 89302, 89303, 89304, 89305, 89306, 89307, 89308, 89309, 89310, 89311

Parameter	Units	Blank Result	MDL	MLQ	Analyzed	% Recovery	% Rec Limits
Aroclor 1016	mg/Kg	<0.0023	0.0023	0.0066	12/03/21 19:28		
Aroclor 1221	mg/Kg	<0.0022	0.0022	0.0066	12/03/21 19:28		
Aroclor 1232	mg/Kg	<0.0022	0.0022	0.0066	12/03/21 19:28		
Aroclor 1242	mg/Kg	<0.0022	0.0022	0.0066	12/03/21 19:28		
Aroclor 1248	mg/Kg	<0.0022	0.0022	0.0066	12/03/21 19:28		
Aroclor 1254	mg/Kg	<0.0022	0.0022	0.0066	12/03/21 19:28		
Aroclor 1260	mg/Kg	<0.0023	0.0023	0.0066	12/03/21 19:28		
Decachlorobiphenyl (S)					12/03/21 19:28	60.5	17-141
Tetrachloro-m-xylene (S)					12/03/21 19:28	69.0	20-122

**Laboratory Control Sample** LCS-L587839

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Aroclor 1016	mg/Kg	0.167	0.125	74.8	25-125
Aroclor 1260	mg/Kg	0.167	0.135	80.8	25-125
Decachlorobiphenyl (S)				56.5	17-141
Tetrachloro-m-xylene (S)				74.0	20-122

**Matrix Spike & Matrix Spike Duplicate** V 89293-MS-L587839    V 89293-MSD-L587839

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Aroclor 1016	mg/Kg	<0.0234	0.166	0.166	0.663	0.794	399*	478*	25-125	17.9	30
Aroclor 1260	mg/Kg	<0.0237	0.166	0.166	1.43	1.67	861*	1010*	25-125	15.4	30
Decachlorobiphenyl (S)							46.9	94.3	17-141		
Tetrachloro-m-xylene (S)							51.7	35.8	20-122		



**Quality Control Data**

**Client ID:** Mid-Atlantic Associates, Inc. - Charlotte  
**Project Description:** Charlotte Wye Track  
**Report No:** 21-327-0004

**QC Analytical Batch:** L587517  
**Analysis Method:** SW-DRYWT  
**Analysis Description:** Dry Weight Determination

**Duplicate** L 89391-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	62.4	64.5	3.3	20.0	12/01/21 16:52

**Quality Control Data**

**Client ID:** Mid-Atlantic Associates, Inc. - Charlotte  
**Project Description:** Charlotte Wye Track  
**Report No:** 21-327-0004

**QC Analytical Batch:** L587621  
**Analysis Method:** SW-DRYWT  
**Analysis Description:** Dry Weight Determination

**Duplicate** V 89290-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	15.8	15.5	1.9	20.0	12/02/21 16:06

**Quality Control Data**

**Client ID:** Mid-Atlantic Associates, Inc. - Charlotte  
**Project Description:** Charlotte Wye Track  
**Report No:** 21-327-0004

**QC Analytical Batch:** L587623  
**Analysis Method:** SW-DRYWT  
**Analysis Description:** Dry Weight Determination

**Duplicate** V 89300-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	13.7	14.6	6.3	20.0	12/02/21 16:15

**Quality Control Data**

**Client ID:** Mid-Atlantic Associates, Inc. - Charlotte

**Project Description:** Charlotte Wye Track

**Report No:** 21-327-0004

**QC Analytical Batch:** L587709

**Analysis Method:** SW-DRYWT

**Analysis Description:** Dry Weight Determination

**Duplicate** V 89310-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
Moisture	%	12.2	11.8	3.3	20.0	12/02/21 13:35

### Shipment Receipt Form

Customer Number: **01138**  
 Customer Name: **Mid-Atlantic Associates, Inc. - Charlotte**  
 Report Number: **21-327-0004**

#### Shipping Method

<input type="radio"/> Fed Ex	<input type="radio"/> US Postal	<input type="radio"/> Lab	<input type="radio"/> Other :	<input type="text"/>
<input type="radio"/> UPS	<input checked="" type="radio"/> Client	<input type="radio"/> Courier	Thermometer ID:	<input type="text" value="IRT-15 4.7 C"/>

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers/boxes received	<input type="text" value="2"/>		
Custody seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Present
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Present
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water - Sample containers properly preserved	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Water - VOA vials free of headspace	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)		<input type="checkbox"/> Low concentration EnCore samplers (48 hr)	
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)		<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)	
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:



449 Springbrook Road • Charlotte, NC 28217  
 Phone 704/525-6364 • Fax: 704/525-0409

# CHAIN OF CUSTODY RECORD

PAGE 1 OF 4 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Charlotte Wye Track UST Project: (Yes) (No) (Yes) (No)  
 Short Hold Analysis (Yes) (No) UST Project: (Yes) (No)  
 \*Please ATTACH any project specific reporting (QC LEVEL VIII IV) provisions and/or QC Requirements

Invoice To: Beverly Delsby  
 Address: 409 Rogers Hwy Ct Raleigh NC 27610

Purchase Order #/Billing Reference: \_\_\_\_\_  
 Requested Due Date:  1 Day  2 Days  3 Days  4 Days  5 Days  
 6-9 Days  Standard 10 days  Rush Work Must Be Pre-Approved  
 "Working Days"  
 Samples received after 15:00 will be processed next business day.  
 Turnaround time is based on business days, excluding weekends and holidays.  
 (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL  
 Certification: NC SC \_\_\_\_\_  
 Other: N/A \_\_\_\_\_  
 Water Chlorinated: YES NO \_\_\_\_\_  
 Samples Iced Upon Collection: YES NO \_\_\_\_\_

LAB USE ONLY	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received IN ICE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEMP: Therm ID: <u>115</u> observed <u>4.7</u> °C / Corr. <u>4.7</u> °C			

Client Company Name: Mid Atlantic Associate  
 Report To/Contact Name: Troy Holzschuh  
 Reporting Address: 1125 E Morehead Charlotte NC 27405  
 Phone: 980-585-1121 Fax (Yes/No): \_\_\_\_\_  
 Email Address: tholzschuh@monline.com  
 EDD Type: PDF  Excel  Other   
 Site Location Name: Charlotte Wye Track  
 Site Location Physical Address: 3600 Primrose Charlotte NC

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER			PRESERVATIVES	ANALYSIS REQUESTED	REMARKS	ID NO.
				*TYPE SEE BELOW	NO.	SIZE				
S-1 (2)	11-22-21	1140	Soil	G	1	8oz	None	<input checked="" type="checkbox"/> PCB		
S-1 (4)		1150								
S-2 (2)		1220								
S-2 (4)		1222								
S-3 (2)		1320								
S-3 (5)		1340								
S-4 (2)		1400								
S-4 (5)		1410								
S-5 (2)		1440								

PRESS DOWN FIRMLY - 2 COPIES

Sampler's Signature: Troy Holzschuh Sampled By (Print Name): Troy Holzschuh Affiliation: MAA

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By (Signature): [Signature] Received By (Signature): \_\_\_\_\_ Date: 11-23-21 Military/Hours: 1104

Relinquished By (Signature): [Signature] Received By (Signature): \_\_\_\_\_ Date: 11/23/21 Military/Hours: 1104

Relinquished By (Signature): \_\_\_\_\_ Received For Waypoint Analytical By: [Signature] Date: 11/23/21 Military/Hours: 1104

Method of Shipment:  Fed Ex  UPS  Hand-delivered  Waypoint Analytical Field Service  Other \_\_\_\_\_

NPDES:  NC  SC  GROUNDWATER:  NC  SC  SOLID WASTE:  NC  SC  RCRA:  NC  SC  BRWNFLD  NC  SC  LANDFILL  NC  SC  OTHER:  NC  SC

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

Additional Comments: \_\_\_\_\_

21-327-0004  
 01138  
 11-23-2021  
 11-13-49  
 Mid-Atlantic Associates, Inc. - Charlotte  
 Charlotte Wye Track

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

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL



449 Springbrook Road • Charlotte, NC 28217  
 Phone 704/529-6364 • Fax: 704/525-0409

Client Company Name: MAA

Report To/Contact Name: Froy Holzebuch

Reporting Address: 1125 E Morehead Ave

Phone: 820-585-1272 Fax (Yes/No):

Email Address: fh1252@maonline.com

EDD Type: PDF  Excel  Other

Site Location Name: Charlotte Wye Track

Site Location Physical Address: 3600 Primrose

**CHAIN OF CUSTODY RECORD**

PAGE 2 OF 4 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Charlotte Wye Track UST Project: (Yes) (No)

Short Hold Analysis (Yes) (No)

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

Invoice To: Geotech Ability

Address: 409 Rodgers View Ct Raleigh NC 27618

Purchase Order No/Billing Reference

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

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

Samples received after 15:00 will be processed next business day. Turnaround time is based on business days, excluding weekends and holidays. (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

**LAB USE ONLY**

Samples INTACT upon arrival?	YES	NO	N/A
Received IN ICE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VOLATILES rec'd w/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEMP: Therm ID: <u>11-13</u> Observed <u>47</u> °C /Corr. <u>47</u> °C			

**TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL**

Certification: NC  SC  Other N/A

Water Chlorinated: YES  NO

Samples Iced Upon Collection: YES  NO

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED (MILITARY HOURS)	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER			PRESERVATIVES	ANALYSIS REQUESTED	REMARKS	ID NO.
				*TYPE SEE BELOW	NO.	SIZE				
S-5 (4')	11-22-21	1450	Soil	G	1	802	None	<input checked="" type="checkbox"/>		
S-5 (6')		1500								
S-6 (2')		1210								
S-6 (3')		1220								
S-7 (2')		1245								
S-7 (4')		1300								
S-8 (2')	11-23-21	950								
S-8 (5')		1000								
S-9 (2')	11-22-21	1400								

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Sampler's Signature: Troy Holzebuch Sampled By (Print Name): Troy Holzebuch Concern MAA

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By (Signature): [Signature] Received By (Signature): [Signature] Date: 11-23-21 Military/Hours: 1104

Relinquished By (Signature): [Signature] Received For Waypoint Analytical By: [Signature] Date: 11/23/21 COC Group No.: 1104

Additional Comments:

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

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

Fed Ex  UPS  Hand-delivered  Waypoint Analytical Field Service  Other

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

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

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

# Waypoint ANALYTICAL



449 Springbrook Road • Charlotte, NC 28217  
 Phone 704/529-6364 • Fax: 704/525-0409

Client Company Name: MAA

Report To/Contact Name: Tray Heltschuh  
 Reporting Address: 409 Rogers View Ct

Phone: 980-885-1271 Fax (Yes/No): \_\_\_\_\_

Email Address: Tray.heltschuh@magentia.com

EDD Type: PDF  Excel  Other

Site Location Name: Charlotte Wye Track

Site Location Physical Address: Good Pinesse

## CHAIN OF CUSTODY RECORD

PAGE 3 OF 4 QUOTE # TO ENSURE PROPER BILLING: \_\_\_\_\_

Project Name: Charlotte Short Hold Analysis (Yes) (No)  (Yes) (No)

\*Please ATTACH any project specific reporting (QC LEVEL VIII-IV) provisions and/or QC Requirements

Invoice To: Beverly Datsky Address: 409 Rogers View Ct

Address: 409 Rogers View Ct

Purchase Order #: 1611111111 Billing Reference \_\_\_\_\_

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

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

Samples received after 15:00 will be processed next business day. Turnaround time is based on business days, excluding weekends and holidays. (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

### LAB USE ONLY

Samples INTACT upon arrival?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	N/A <input type="checkbox"/>
Received IN ICE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VOLATILES rec'd w/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINER use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEMP: Therm ID: <u>11-15</u> Observed <u>47</u> °C / Corr. <u>47</u> °C			

### TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NC SC Other N/A  
 Water Chlorinated: YES NO  
 Samples Iced Upon Collection: YES NO

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER			PRESERVA-TIVES	ANALYSIS REQUESTED	REMARKS	ID NO.
				*TYPE SEE BELOW	NO.	SIZE				
S-9(5')	11-22-21	1430	Soil	G	1	8oz	None	PLS		
S-10(2')	11-23-21	965								
S-10(4')		1000								
S-10(6')		1005								
S-11(2')	11-22-21	1150								
S-11(4')		1455								
S-12(2')		1240								
S-12(5')		1300								
S-13(2')		1400								

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21-327-0004  
 01138  
 11-23-2021  
 11:13:49

Sampler's Signature: Tray Heltschuh

Sampled By (Print Name): Tray Heltschuh Affiliation: MAA

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature) Tray Heltschuh

Received By: (Signature) \_\_\_\_\_ Date: 11-23-21 Military/Hours: 1104

Relinquished By: (Signature) \_\_\_\_\_ Received For Waypoint Analytical By: \_\_\_\_\_ Date: 11-23-21 Military/Hours: 1104

Method of Shipment:  Hand-delivered  Waypoint Analytical Field Service  Other \_\_\_\_\_

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

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

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

### LAB USE ONLY

Site Arrival Time: \_\_\_\_\_  
 Site Departure Time: \_\_\_\_\_  
 Field Tech Fee: \_\_\_\_\_  
 Mileage: \_\_\_\_\_

### SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL





449 Springbrook Road • Charlotte, NC 28217  
 Phone 704/529-6364 • Fax: 704/525-0499

# CHAIN OF CUSTODY RECORD

PAGE 4 OF 4 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Charlotte Wye Trak UST Project: (Yes) (No) Yes  
 Short Hold Analysis (Yes) (No) Yes  
 \*Please ATTACH any project specific reporting (QC LEVEL VIII IV) provisions and/or QC Requirements

Invoice To: Beverly Olesby  
409 Rogers View Ct  
Raleigh NC 27610

Purchase Order/Invoicing Reference

Requested Due Date  1 Day  2 Days  3 Days  4 Days  5 Days  
 6-9 Days  Standard 10 days  Rush Work Must Be Pre-Approved  
 "Working Days"

Samples received after 15:00 will be processed next business day.  
 Turnaround time is based on business days, excluding weekends and holidays.  
 (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

## LAB USE ONLY

Samples INTACT upon arrival? YES  NO  N/A   
 Received IN ICE? YES  NO  N/A   
 PROPER PRESERVATIVES indicated? YES  NO  N/A   
 Received WITHIN HOLDING TIMES? YES  NO  N/A   
 CUSTODY SEALS INTACT? YES  NO  N/A   
 VOLATILES rec'd W/OUT HEADSPACE? YES  NO  N/A   
 PROPER CONTAINERS used? YES  NO  N/A   
 TEMP: Therm ID: 11-15 observed 07 °C / Corr. 4.7 °C

## TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NC  SC  Other  N/A   
 Water Chlorinated: YES  NO   
 Samples Iced Upon Collection: YES  NO

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER			PRESERVATIVES	ANALYSIS REQUESTED	REMARKS	ID NO.
				*TYPE SEE BELOW	NO.	SIZE				
S-13 (5')	11-22-21	1415	Soil	G	1	8oz	None	PUB		
S-14 (2')		1435								
S-14 (4')		1440								
S-14 (6')		1445								

PRESS DOWN FIRMLY - 2 COPIES

21-327-0004  
 01138  
 11-23-2021  
 11:13:49  
 Mid-Atlantic Associates, Inc. - Charlotte  
 Charlotte Wye Trak

Sampler's Signature: [Signature] Sampled By (Print Name): Tracy Holscher Contract Affiliation: MAA

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By (Signature): [Signature] Received By (Signature): [Signature] Date: 11-23-21 Military/Hours: 1104

Relinquished By (Signature): [Signature] Received By (Signature): [Signature] Date: 11-23-21 Military/Hours: 1104

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

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

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

UST:  NC  SC  NC  SC  NC  SC  NC  SC

GROUNDWATER:  DRINKING WATER:  SOLID WASTE:  RCRA:  BRW/FLD:  LANDFILL:  OTHER:

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

Additional Comments:

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL