TTI ENVIRONMENTAL, INC.
1253 NORTH CHURCH STREET, MOORESTOWN, NJ 08057

TTI Project No. 20-763
Date: March 24, 2023

SITE INVESTIGATION / REMEDIAL INVESTIGATION REPORT

Prepared by:

Alec Halbruner
Environmental Associate 2

Reviewed by:

Andrew Basehoar, PG, LSRP
Site Remediation Program Manager

PROGRAM INTEREST NO. 021388

SITE LOCATION:
Reliable Tire Co
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

PREPARED FOR:
Camden Redevelopment Agency
520 Market Street, Suite 1300
Camden, New Jersey 08101
Attention: Olivette Simpson

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1 INTRODUCTION

Site Name:	Reliable Tire Co		
List all AKAs:			
Street Address:	1115 Chestnut Street		
Municipality:	Camden		
County:	Camden County	**Zip Code:**	08103
Program Interest (PI) Number:	021388	**Case Tracking Number:**	LSR230001
Easting (x):	321437	**Northing (y):**	401276
Block:	1302	**Lot:**	1

TTI Environmental, Inc. (TTI) was commissioned by Camden Redevelopment Agency to conduct a Site Investigation/Remedial Investigation (SIRI Report) for the property located at 1115 Chestnut Street, Camden, Camden County, New Jersey (site). This SI/RI is being conducted to investigate Areas of Concern identified in a Preliminary Assessment (PAR) dated February 4, 2021. The purpose of the SI/RI was to confirm the presence of contamination at the site associated with areas of concern (AOCs) identified in the PAR and to delineate the extent of any identified contamination.

This Site Investigation/Remedial Investigation was conducted in accordance with the latest versions of the following NJDEP regulations and guidance:

- N.J.A.C. 7:26C, Administrative Requirements for the Remediation of Contaminated Sites (ARRCS);
- N.J.A.C. 7:26D, Remediation Standards;
- N.J.A.C. 7:26E, TRSR;
- Preliminary Assessment Technical Guidance;
- Technical Guidance for Site Investigations of Soil, Remedial Investigation of Soil, and Remedial Verification Sampling for Soil;
- NJDEP Field Sampling Guide;
- N.J.S.A. 58:10C-1 et seq, SRRA; and
- Historic Fill Guidance.

1.1 Background and Case History

1.1.1 Preliminary Assessment

TTI conducted a Preliminary Assessment (PA) in accordance with N.J.A.C. 7:26E, *Technical Requirements for Site Remediation*. The PA inspection was conducted October 15, 2019, and the PA Report is to be submitted to the NJDEP concurrently with this SIRI Report. TTI identified historical operations at the site during the preparation of the PA, including the following:

- Prior to approximately 1906: Vacant Land
- Approximately 1906 until 1964: Camden Pottery Company (a pottery manufacturing company specializing in bathroom porcelain products)
- 1964 until 1999: Reliable Tire Company (a warehouse/wholesale distributor of automotive tires)
- 1999 until 2011: Vacant buildings
- 2011 until present: Vacant land

The PA included the review of historical NJDEP documents associated with the site, which included Underground Storage Tank (UST) Questionnaires dating from 1987 to 2004 and a 2019 Exemption from Spill Act Liability Certification Form. The Exemption from Spill Act Liability Certification Form stated that the owner of the site was a governmental entity exempt from liability for releases at the site due to acquisition by the City of Camden for tax delinquency. The letter stated that the owner did not have knowledge of the responsible party for the contaminants discharged at the site. The NJDEP issued a letter in response to the form stating that a funding request had been submitted to the Hazardous Discharge Site Remediation Fund (HDSRF) for the completion of a Preliminary Assessment/Site Investigation at the site.

TTI's PA included a geophysical survey of the site to confirm the locations of AOCs. A summary of the AOCs identified by TTI during the PA is included below:

- AOCs 1A, 1B, and 1C – Three Heating Oil Underground Storage Tanks: Three USTs are located in the southeastern portion of the site and, according to NJDEP documents, were installed prior to 1947 and have not been in use since 1960. The geophysical survey identified a metallic anomaly consistent with a potential product line running southwest from the three USTs and three metallic covers above the three USTs. TTI recommended a SI be conducted of the USTs and the USTs be properly removed or abandoned in place.
- AOCs 1D and 1E – Two Unknown Underground Storage Tanks: Two cylindrical, approximately 30-foot by 9-foot metallic anomalies were identified at approximately three to four feet below surface at the site. The geophysical survey concluded that the anomalies were consistent with USTs. The length and width of the anomalies are consistent with the

sizes of 10,000-12,000-gallon USTs. TTI did not identify any records of the two USTs at the site. TTI recommended an SI be conducted of the USTs and the USTs be properly removed or abandoned in place.

- AOC 2 – Former Loading/Unloading Area: Historical fire insurance maps and historical aerial photographs identify a former rail line running onto the western portion of the site and through the southern portion of the site prior to approximately 1965. The rail lines were likely used to deliver potentially hazardous/petroleum-containing materials to the site in association with the historical manufacturing operations at the site. TTI recommended an SI be conducted to further investigate this AOC.
- AOC 3 – Potential Historic Fill Material: The site is identified within the Camden, NJ Quadrangle in an area that is not within a represented fill area. An elevated railroad easement granted to Delaware River Port adjoins the site to the west and former rail lines ran from the elevated railroad onto the site. Historic fill material is depicted along portions of the elevated railroad and TTI considers the rail lines extending from the elevated line onto the site to be representative of potential historic fill at the site. TTI recommended an SI be conducted to further investigate this AOC.
- AOC 4 – Potential Buried Debris Material: The site historically included approximately ten structures associated with the former Reliable Tire Co. and Camden Pottery Company operations. The buildings burned down in 2010 and the remains of the buildings were demolished in 2016. Debris remaining at the site following the burning and demolition of the former site buildings may be remaining in the subsurface at the site. Elevated soil conductivity levels were detected in the northern portion of the site in the area of former site buildings during a geophysical survey. The elevated conductivity may represent buried metallic building materials or other metallic debris which could be hazardous. TTI recommended an SI be conducted to further investigate this AOC.
- AOC 5 – Pole-Mounted Dry-Type Transformers: TTI observed three pole-mounted transformers on the sidewalk bordering the northern boundary of the site. The transformers were not within the boundaries of the site but a spill of transformer fluid from the transformers may impact the site. The transformers appeared to be in good condition and TTI observed no evidence of a spill of transformer fluid in the area of the transformers. TTI recommended no further investigation of this AOC.
- AOC 6 – Former Transformer Room: TTI identified a former transformer room depicted in the southwestern portion of the site beneath the former rail lines on a historical fire insurance map. TTI recommended an SI be conducted to further investigate this AOC.
- AOC 7 – Former Rail Lines: Historical fire insurance maps and historical aerial photographs identify a former rail line running onto the western portion of the site and through the southern portion of the site prior to approximately 1965. The rail lines ran to packaging and warehouse facility in the southeastern corner of the site. TTI recommended an SI be conducted to further investigate this AOC.
- AOC 8 – Former Pottery Manufacturing Operation: The site formerly operated as the Camden Pottery Company, a pottery manufacturing operation, from approximately 1906 until 1964. Historical pottery manufacturing operations would require the use of various

metals, paints, finishing chemicals, and machinery utilizing lubricating fluids. The site also historically included at least ten kilns used to heat the pottery materials. Kilns typically utilize coal, electricity, and wood as a fuel source but may have utilized fuel oil. During the geophysical survey, an unknown utility line was identified running from the northeastern boundary of the site to the south, terminating in the area of the three heating oil USTs. The unknown utility line was potentially used to transport petroleum/hazardous materials through the site and represent a potential threat of a past release in the event of a leak. TTI recommended an SI be conducted to further investigate this AOC.

- AOC 9 – Former Coal Pile: The 1906 fire insurance map depicts an exterior coal pile on the southern portion of the site. The coal pile was likely used to fuel the kilns associated with the pottery manufacturing operation at the site and to fuel trains making deliveries at the site. It is assumed that coal was stored on bare soil. Coal is known to contain hazardous materials, including mercury, polycyclic aromatic hydrocarbons (PAHs) and heavy metals. These compounds enter the environment due to rainwater washing over the coal, allowing the dissolved compounds to enter soil and groundwater; this runoff can be acidic. The compounds present in this runoff are toxic, persistent and can bioaccumulate in the environment (i.e. mercury). TTI recommends an SI for this AOC.
- AOC 10 – Historical Fire: The approximately ten former structures at the site burned down in June 2011. At the time of the fire, the site was vacant of operations and had most recently operated as a warehouse and wholesale distribution center for Reliable Tire. TTI considers it likely that tire material was left at the site at the time of the fire based on the size of the Reliable Tire warehouse facility and that hazardous materials may have been released into the subsurface during the pyrolysis of tire materials. The City of Camden Fire Department report for the historical fire also identified approximately 100 gallons of an unknown liquid and approximately 40 to 50 gallons of an unknown blue liquid that were spilled during the fire. TTI recommended an SI for this AOC. The fire was extinguished using water according to the City of Camden Fire Department Report and no foam was used during the incident. Per- and polyfluoroalkyl substances (PFAS) contamination are not a concern at the site.

Based on the findings of the PA, additional investigations were necessary for AOCs 1, 2, 3, 4, 6, 7, 8, 9, and 10 (i.e. all AOCs except AOC 5). In 2021, TTI was contracted by Camden Redevelopment Agency to address the nine AOCs requiring further action. Between 2021 and 2023, TTI conducted supplemental site investigations and remedial investigations. The activities are discussed in this SIRI Report.

1.2 Scope of Work

The SIRI Report documents the following activities conducted at each AOC on site that required further action:

- AOCs 1A, 1B, and 1C – Three Heating Oil Underground Storage Tanks: A SI of soils was conducted in the vicinity of the three USTs in April 2021. The investigation included the installation of 14 soil borings in the vicinity of the three USTs and the collection of soil samples.
- AOCs 1D and 1E – Two Unknown Underground Storage Tanks: A SI of soils was conducted in the vicinity of the two USTs in April 2021. The soil investigation included the installation of 19 soil borings in the vicinity of the two USTs and the collection of soil samples. The two UST were uncovered and samples of the contents of the USTs were collected in June 2022. The samples were analyzed for petroleum fingerprint analysis. The analysis concluded that AOC 1E contained No. 2 Fuel Oil and AOC 1D contained either No. 2 Fuel Oil or No. 6 Fuel Oil.
- AOC 2 – Former Loading/Unloading Area: A SI of soils was conducted in the vicinity of this AOC in April 2021. Additional soil sampling was conducted to delineate identified soil impacts in June 2022 and compliance averaging was used to obtain attainment.
- AOC 3 – Potential Historic Fill Material: TTI installed twelve test pits throughout the subject site to investigate AOC 3. Historic fill was identified in various areas of the subject site and additional sampling was conducted to delineate soil contamination identified in association with fill material. Soil contamination associated with AOCs 3 and 4 remain onsite.
- AOC 4 – Potential Buried Debris Material: TTI installed twelve test pits in the area of elevated soil conductivity in the northern portion of the site. Soil samples were collected from the test pits and additional soil sampling was conducted of the northern portion of the site in April 2022 to delineate potential impacts. Soil contamination associated with AOCs 3 and 4 remain onsite.
- AOC 6 – Former Transformer Room: A SI of soils was conducted of AOC 6 including the collection and analysis of four soil samples. No evidence of contamination was identified.
- AOC 7 – Former Rail Lines: A SI of soils was conducted of AOC 7 including the collection and analysis of three soil samples. No evidence of contamination was identified.
- AOC 8 – Former Pottery Manufacturing Operation: TTI installed ten soil borings and collected soil samples to investigate AOC 8. No evidence of contamination was identified.
- AOC 9 – Former Coal Pile: A SI/RI was conducted to investigate AOC 9. Mercury was discovered in exceedance of the NJDEP MGW in the vicinity of AOC 9. TTI conducted additional sampling in the area of AOC 9 and delineated the mercury contamination. A site-specific MGW standard was developed for the site using SPLP analysis of soil samples analyzed for mercury during the investigation of AOC 9. The site-specific MGW for mercury is 0.293 mg/kg. TTI utilized compliance averaging of the mercury concentrations detected in soil samples collected at AOC 2 to obtain attainment of the site-specific MGW for mercury.
- AOC 10 – Historical Fire: A SI was conducted to investigate AOC 10 including the collection of seven soil samples. No evidence of contamination was identified.

- Groundwater: TTI installed and sampled four temporary well points throughout the subject site in April 2021. Four permanent groundwater monitoring wells (MW-1 through MW-4) were installed throughout the subject site to further investigate groundwater conditions at the site in April 2022. One sampling event was conducted of the monitoring wells in May 2022. Groundwater sampling events identified concentrations of various metals and heptachlor epoxide above the NJDEP Groundwater Quality Standards (GWQS). Groundwater contamination associated with historic fill is assumed to be present throughout the site and a virtual institutional control is planned to be established. TTI attributes the metals contamination to historic fill. Heptachlor epoxide is migrating onto the site from an unknown offsite source.

1.3 Site Remediation Program Requirements

1.3.1 LSRP Retention

Andrew Basehoar, PG, LSRP, Site Remediation Program Manager, was retained as the Licensed Site Remediation Professional (LSRP) by Camden Redevelopment Agency on April 24, 2023.

1.3.2 Annual Fee

An initial Annual Remediation Fee Form was submitted to the NJDEP on April 28, 2023 following the report of a release. This fee included a Category 2 fee for regulated tanks, and a groundwater media fee. The fees required for the site may change as new information on the site is obtained.

1.3.3 Receptor Evaluation

An Initial Receptor Evaluation (IRE) form is being submitted with this SIRI Report. IRE forms are fluid documents whose information may change based on new information obtained as the site investigations progress. Updated Receptor Evaluation forms will be submitted with key document submittals to the NJDEP. A copy of the IRE is included in Receptor Evaluation .

1.3.4 Confirmed Discharge Notification

A Confirmed Discharge Notification (CDN) form was submitted to the NJDEP on April 5, 2023. A copy of the CDN is included in Confirmed Discharge Notification Form .

1.3.5 Public Notification

Public notification, consisting of a sign, was posted at the subject site on July 17, 2023. A copy of the sign text and public notification forms is included in Public Notification .

1.3.6 Case Inventory Document

A CID has been prepared for submission to the NJDEP along with this milestone document following the report of the release. The electronic CID will be submitted through the NJDEP Online Portal.

2 SITE ACTIVITY LOG

Date	Activity
April 26 - 28, 2021	TTI mobilizes to the site to oversee Site Investigation field activities including soil and groundwater sampling and test pit installation for all AOCs identified in the Preliminary Assessment requiring further investigation.
April 11, 2022	TTI mobilizes to the site to oversee the installation of four monitoring wells at the site.
June 2, 2022	TTI mobilizes to the site to daylight three unknown USTs and collect samples of the contents of the USTs for petroleum fingerprint analysis.
June 9, 2022	TTI mobilizes to the site to collect additional soil samples to delineate known soil contamination identified in previous sampling events.
January 5, 2023	TTI mobilizes to the site to collect additional delineation samples and SPLP samples to develop a site-specific Migration to Groundwater Standard for mercury.

3 SITE CHARACTERISTICS

3.1 Site Description

The site is an irregularly shaped, a 1.98-acre unimproved parcel of land that formerly included several manufacturing facilities that burned down in June 2011. Grass lawn currently covers the site. The site is located in an urban setting within Camden City, New Jersey. A regional site location map, an aerial diagram, a parcel map, and geophysical maps are included in Figures .

3.2 Physical Setting

3.2.1 Topography

The site is approximately 11 feet above mean sea level and is located within the Coastal Plain Physiographic Province. The site slopes gently in the south-southeasterly direction and the nearest surficial body of water is the Cooper River approximately 0.32-mile northeast of the site.

3.2.2 Geology

The site is underlain by the Potomac Formation of the Upper Cretaceous/Lower Cremanian Age. The bedrock lithology includes fine- to coarse-grained sand interbedded with white, red or yellow clay. The surficial geology at the site is identified as the Cape May Formation, Unit 2, which includes a lithology of sand, pebble gravel, minor silt, clay, peat, and cobble gravel.

Soils at the site are classified as Urban Land, Boonton substratum, 0 to 8 percent slopes, red sandstone lowland. “Urban land” is used to describe soils that have been altered via human development and can no longer be accurately described.

During field investigations, TTI identified fill material (including coal and brick), fine- to coarse-grained sands, and silts as prominent sub-surface material.

3.2.3 Hydrogeology

The site is located within the Cooper River area of the Lower Delaware Watershed. Groundwater at the site is estimated to flow in a south-southeasterly direction based on topographic information. Depth to groundwater at the site ranges from approximately 13 to 17 feet.

3.2.4 Surface Water and Wetlands

Rainwater at the site either is discharged to storm drains along the outside of the site or percolates through soils at the site. Surface water is estimated to flow in a general south-southeasterly direction based on topographic information.

There are no federal or state designated wetlands on or adjacent to the site.

3.2.5 Water Supply Sources

TTI did not identify active utility lines at the site. TTI reviewed a City of Camden municipal permit for the disconnection of public water and sewer lines from the site in 2016.

3.2.6 NJDEP Landscape Project Areas

The site is located within the Piedmont Plains Landscape area. No sensitive areas are located within 200 feet of the site based a review of NJDEP GeoWeb.

3.2.7 Review of Sensitive Areas

Based on an inspection of the site and surrounding properties and a review of available on-line and hard copy documents, residential homes are located within 200 feet east and southeast of the site. This investigation has confirmed that soil contamination is confined to the site and is not anticipated to impact offsite sensitive receptors. No ecological receptors are located within 200 feet of the site (See 8.0 ECOLOGICAL EVALUATION).

3.2.8 Sensitive Populations

Residential homes are located within 200 feet east and southeast of the site.

4 TECHNICAL OVERVIEW

This project was conducted under the oversight of Andrew Basehoar, PG, LSRP, Site Remediation Program Manager (LSRP No. 837642), with the assistance of other TTI technical personnel. Andrew Basehoar, PG, LSRP directly oversaw and supervised all the referenced remediation summarized in this report. TTI has not relied on any data collected by others.

4.1 Identification of Applicable Remedial Standards

4.1.1 Soil Remediation Standards (SRS)

TTI evaluated soil analytical data against the current soil standards. Soil samples were compared to the NJDEP EPH remedial action levels, and/or to the Migration to Groundwater Soil Screening Levels (MGW),Non-Residential Inhalation Exposure Pathway Soil Remediation Standards (NRI-SRS), Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards (NRID-SRS), Residential Inhalation Exposure Pathway Soil Remediation Standards (RI-SRS), and Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards (RID-SRS) (NJDEP May 17, 2021).

4.1.2 Groundwater Quality Standards (GWQS)

TTI evaluated groundwater analytical data against the current groundwater standards. Groundwater samples were compared to the NJDEP Groundwater Quality Standards (GWQS) and to the Vapor Intrusion Groundwater Screening Levels (VIGWSL) (NJDEP June 1, 2020).

4.2 Quality Objectives

4.2.1 Site Assessment

As in any task or project, maintaining the highest level of quality is the prime goal. The NJDEP has provided regulatory protocols and general guidance with regard to the conducting of site environmental investigations in the form of:

- NJDEP Field Sampling Guide, August 2005;
- Technical Requirements for Site Remediation, NJAC 7:26E, Adopted May 7, 2012;
- Site Remediation Reform Act (SRRA), NJSA 58:10C-1 et seq;
- Spill Compensation and Control Act (Spill Act);
- Administrative Requirements for the Remediation of Contaminated Sites (ARRCS), NJAC 7:26C;
- Underground Storage Tank Rules, NJAC 7:14B;

- Remediation Standards, NJAC 7:26D;
- General Site Remediation Program (SRP) Guidance Documents, http://www.nj.gov/dep/srp/guidance;
- Soil Remediation Standards, NJAC 7:26D, May 17, 2021;
- Groundwater Quality Standards, NJAC 7:9C, June 1, 2020;
- Historic Fill Material Technical Guidance, April 29, 2013.

The above documents provide regulatory guidance which include but are not limited to sample collection, sample frequency, sample location, analytical parameters, laboratory analytical requirements, data evaluation, report preparation, etc.

4.2.2 Variances

TTI did not vary from the Technical Requirements for Site Remediation NJAC 7:26E or associated SIRI Guidance documents during this investigation.

4.2.3 Training/Certifications

TTI personnel have achieved and maintain all training, licenses, and certifications required by the NJDEP to conduct environmental investigations within the State of New Jersey. These include LSRP certification, Subsurface Evaluator License, UST Closure License, and 40 hour HAZWOPER.

4.2.4 Laboratory Qualifications

All analytical work is to be conducted by a laboratory certified by the NJDEP for the required analyses pertinent to the project. This certification indicates that the laboratory has met all the required operational and quality control standards established by the NJDEP and thereby enables the end user of the data to have the fullest confidence in the data.

4.2.5 Media Sampling

Sampling methodology is documented in the NJDEP Field Sampling Procedures Manual, August 2005. Sample frequency, analytical methodology, etc. specific to the conditions at the site are documented in the Technical Requirements for Site Remediation (NJAC 7:26E) and various NJDEP Guidance Documents.

4.3 Technical Overview

4.3.1 Geophysical Survey Methodology

TTI provided oversight of a geophysical survey to characterize subgrade conditions at the site. The geophysical survey was conducted by Delta Geophysics, Inc. (Delta) of Catasauqua, PA. The geophysical survey included the performance of a ground penetrating radar (GPR) survey and a metal detection survey. Delta utilized a GeonicsLimited EM-31, a Geode GPS, Geophysical Survey Systems, Inc. SIR-3000 cart-mounted GPR unit with a 400-megahertz antenna, a Radiodetection RD7000 precision utility locator, and a Fisher M-Scope TW-6 pipe and cable locator. The geophysical survey was conducted on the entire exterior of the site and in specific areas of the interior. Areas of interest were marked using spray paint.

4.3.2 Soil Sampling Methodology

The soil borings advanced during SI activities were installed using a Geo-Probe hydraulic direct push sampling unit. Soil borings were advanced to appropriate depths and were collected using dedicated sleeves in the unit's macrocore sampling device and logged once opened. Soil boring logs are included as Soil Boring Logs .

Soils were continuously field screened to positively bias soil sample depth(s). Field screening included visual/olfactory assessment of the soils and the use of a calibrated photoionization detector (PID) measured in parts per million (ppm). Soil samples were collected from the half foot interval exhibiting the highest PID detection, or areas of visual impacts, staining and/or odors, if observed, or the bottom of the soil boring, or the half foot that is considered the point of entry for the contaminant of concern in that location (TTI considers this to be the interval of the highest probability to be contaminated).

Soil selected for chemical analysis was transferred from the sampling device into laboratory supplied sample containers. The samples were collected in general accordance with the NJDEP Field Sampling Procedures Manual, August 2005. Personnel involved in the collection and screening of soil samples utilized dedicated nitrile gloves when handling or coming in contact with soils. Samples were transported to the designated laboratory in ice packed coolers under chain-of-custody documentation.

4.3.3 Temporary Well Point Installation and Sampling Methodology

Four temporary well points were installed as part of site investigation activities. The temporary wells were installed by an NJ-Licensed driller The temporary wells points were constructed by installing one-inch diameter slotted PVC well screen and solid riser pipe. The wells were developed

to remove sediment using a peristaltic pump. Following development, the wells were allowed to recover to their static water levels prior to sampling. Purged groundwater physiochemical parameters were measured via YSI sonde meter prior to sample collection. Groundwater samples were obtained through the use of dedicated bailers. Groundwater samples were collected in laboratory supplied glassware.

4.4 Analytical Methodology

Samples collected for soil were submitted to ESC Lab Sciences of Mount Juliet, Tennessee (NJDEP Certification No. TN002) and Alpha Analytical Laboratories (Alpha) of Westborough, Massachusetts (NJDEP Certification No. MA935). Groundwater and vapor analyses were also submitted to Alpha. The following methodologies were used for each sample matrix:

Soil

- Total Solids by Method 2450 G-2011
- Mercury by Method 7470A
- Mercury by Method 7471B
- Metals (ICPMS) by Method 6020B
- Metals (ICP) by Method 6010D
- Ethylene Dibromide and 1.2-dibromo-3-Chloropropane (EDB/DBCP) by Method 8011
- EPH by Method NJDEP EPH
- Pesticides (GC) by Method 8081B
- Polychlorinated Biphenyls (PCBs) by Method 8082A
- Semivolatile Organic Compounds (SVOCs) by Method 8270E
- Volatile Organic Compounds (VOCs) by Method 8260D
- Petroleum Fingerprint Analysis by Method 8015D(M)

Groundwater

- Metals (ICP) by Method 6010D
- Pesticides (GC) by Method 8081B
- Mercury by Method 7470A
- Metals (ICPMS) by Method 6020B
- VOCs by Method 8260D
- SVOCs by Method 8270E
- EDB/DBCP by Method 8011
- PCBs by Method 8082 A

Complete laboratory reports are included in Laboratory Reports . The electronic data deliverables (EDDs) for soil, groundwater, and vapor were submitted to the NJDEP via the srpedd.com. Vapor investigation data deliverables were previously submitted (Laboratory Reports).

4.5 Laboratory Quality Assurance/Quality Control

TTI reviewed all Quality Assurance/Quality Control (QA/QC) sections for all RI data. An evaluation of the quality of the analytical data in relation to the intended use is important in order for the investigator to make decisions which are supported by data of known and sufficient quality. When Data of Known Quality are achieved for a particular data set, the investigator will have confidence that the laboratory has followed the Data of Known Quality Protocols (DKQPs), has described non-conformances, if any, and the investigator has adequate information to make judgments regarding data quality. Laboratory QA/QC information is included in Laboratory Reports .

5 SITE INVESTIGATION SUMMARY

The following sections present soil and groundwater investigations performed onsite as implemented at each AOC. During SI field activities, TTI installed a total of 60 soil borings,12 test pits, four temporary well points, and four permanent monitoring wells.

5.1 AOC 1A, 1B, and 1C: Three Heating Oil USTs

5.1.1 Geophysical Survey Results

The geophysical survey identified the three heating oil USTs in the eastern portion of the subject site. The three USTs adjoined each other's northern/southern sides and a potential former heating oil line was identified running between the central and southern heating oil USTs.

5.1.2 Site Investigation and Sampling Overview

TTI mobilized to the site on April 26, 2021 to conduct a subsurface investigation of AOCs 1A, 1B, and 1C. SI investigations of AOCs 1A, 1B, and 1C included the installation of 14 soil borings around the three USTs. A map depicting soil boring locations is included in Figures . Pertinent sampling information is compiled below.

AOC 1A, AOC 1B, and AOC 1C SI Sampling Summary				
Boring ID	**Sample Depth (ft. bgs)**	**Boring Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
AOC 1-1	12-12.5	15	AOC 1-1@12-12.5	EPH Category 1
AOC 1-2	12-12.5	15	AOC 1-2@12-12.5	EPH Category 1, PAHs
AOC 1-3	13-13.5	15	AOC 1-3@13-13.5	EPH Category 1
AOC 1-4	11-11.5	15	AOC 1-4@11-11.5	EPH Category 1
AOC 1-5	12-12.5	15	AOC 1-5@12-12.5	EPH Category 1
AOC 1-6	12-12.5	15	AOC 1-6@12-12.5	EPH Category 1
AOC 1-7	12-12.5	15	AOC 1-7@12-12.5	EPH Category 1
AOC 1-8	12-12.5	15	AOC 1-8@12-12.5	EPH Category 1
AOC 1-9	12-12.5	15	AOC 1-9@12-12.5	EPH Category 1
AOC 1-10	12-12.5	15	AOC 1-10@12-12.5	EPH Category 1
AOC 1-11	11.5-12	15	AOC 1-11@11-11.5	EPH Category 1
AOC 1-12	11.5-12	15	AOC 1-12@11.5-12	EPH Category 1
AOC 1-13	12-12.5	15	AOC 1-13@12-12.5	EPH Category 1
AOC 1-14	13-13.5	15	AOC 1-14@13-13.5	EPH Category 1

5.1.2.1 Analytical Results

All soil samples were collected and submitted to Pace for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

Soil samples collected to investigated AOC 1A, 1B, and 1C were analyzed per NJDEP Table 2-1 Guidance for the investigation of No. 2 Heating Oil and NJDEP Table 2-1 Guidance for the investigation of No. 4 and No. 6 Heating Oil. All soil samples were analyzed for EPH Category 1 with 25 percent of samples where EPH is detected over 1,000 milligrams per kilogram (mg/kg) being analyzed for 2-Methyl Naphthalene and Naphthalene and 25 percent of samples where EPH is detected over 100 mg/kg being analyzed for PAHs. The soil samples returned non-detect (ND) concentrations of EPH, with the exception of AOC 1-2@12.0-12.5, which contained EPH at 423 mg/kg. AOC 1-2@12-12.5 was analyzed for PAHs and returned non-detect (ND) concentrations of all PAHs.

5.1.2.1.1 AOC 1A, 1B, and 1C Recommendations

TTI recommended the removal of the three heating oil USTs per NJDEP UST removal guidance. TTI also recommended the registration of the three USTs be properly updated with the NJDEP following their removal.

5.2 AOC 1D and 1E: Two Unknown USTs

5.2.1 Geophysical Survey Results

The geophysical survey identified the two unknown USTs in the southern-central portion of the subject site. The two USTs adjoined each other's eastern/western sides and a potential former product line was identified running east of the two USTs.

5.2.2 Site Investigation and Sampling Overview

TTI mobilized to the site on April 26, 2021 to conduct a subsurface investigation of AOCs 1D and 1E. SI investigations of AOCs 1D and 1E included the installation of 19 soil borings around the two unknown USTs. A map depicting soil boring locations is included in Figures . Pertinent sampling information is compiled below.

AOC 1D and 1E SI Sampling Summary				
Boring ID	**Sample Depth (ft. bgs)**	**Boring Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
AOC 1-15	11.5-12	15	AOC 1-15@11.5-12	EPH Category 1
AOC 1-16	11-11.5	15	AOC 1-16@11.5-12	EPH Category 1
AOC 1-17	11.5-12	15	AOC 1-17@11.5-12	EPH Category 1
AOC 1-18	10.5-11	15	AOC 1-18@10.5-11	EPH Category 1
AOC 1-19	11.5-12	15	AOC 1-19@11.5-12	EPH Category 1
AOC 1-20	10.5-11	15	AOC 1-20@10.5-11	EPH Category 1
AOC 1-21	12-12.5	15	AOC 1-21@12-12.5	EPH Category 1
AOC 1-22	12-12.5	15	AOC 1-22@12-12.5	EPH Category 1, PAHs, Naphthalene, 2-methylnaphthalene
AOC 1-23	12-12.5	15	AOC 1-23@12-12.5	EPH Category 1
AOC 1-24	11.5-12	15	AOC 1-24@11.5-12	EPH Category 1
AOC 1-25	10.5-11	15	AOC 1-25@10.5-11	EPH Category 1
AOC 1-26	10.5-11	15	AOC 1-26@10.5-11	EPH Category 1
AOC 1-27	10.5-11	15	AOC 1-27@10.5-11	EPH Category 1
AOC 1-28	11.5-12	15	AOC 1-28@11.5-12	EPH Category 1
AOC 1-29	11.5-12	15	AOC 1-29@11.5-12	EPH Category 1
AOC 1-30	11.5-12	15	AOC 1-30@11.5-12	EPH Category 1
AOC 1-31	11.5-12	15	AOC 1-31@11.5-12	EPH Category 1
AOC 1-32	12.5-13	15	AOC 1-32@12.5-13	EPH Category 1
AOC 1-33	12.5-13	15	AOC 1-33@12.5-133	EPH Category 1

5.2.2.1 Analytical Results

All soil samples were collected and submitted to Pace for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

Soil samples collected to investigated AOC 1D and 1E were analyzed per NJDEP Table 2-1 Guidance for the investigation of No. 2 Heating Oil and NJDEP Table 2-1 Guidance for the investigation of No. 4 and No. 6 Heating Oil.

Four soil samples returned concentrations of EPH exceeding 100 mg/kg and one soil sample (AOC 1-22@12-12.5) returned EPH exceeding 1,000 mg/kg at 1,120 mg/kg. Analyses for AOC 1-22@12-12.5 were expanded to include PAHs, naphthalene, and 2-methylnaphthalene. AOC 1-22@12-12.5 returned ND concentrations of all PAHs, naphthalene, and 2-methylnaphthalene.

5.2.2.1.1 Petroleum Fingerprint Analysis

TTI mobilized to the site on June 2, 2022 to excavate soil above AOCs 1D and 1E and collect samples of residual contents of the two unknown USTs for petroleum fingerprint analyses.

The tops of the USTs were daylighted using an excavator. Excavated soils were staged on soils adjacent to AOCs 1D and 1E. No evidence of obvious contamination was identified during soil excavation, except for the presence of approximately two square feet of stained soils located above the eastern unknown UST (AOC D). The stained soils smelled moderately of petroleum.

The tops of the two USTs were located approximately 3 feet bgs and the USTs were approximately five feet in diameter each. TTI opened the fill ports of the two USTs and observed mixtures of rain water and petroleum product within each UST. Approximately one inch of sludge was observed in the bottom of AOC 1D.

TTI collected a sample of the contents from the western unknown UST (AOC 1E) and eastern unknown UST (AOC 1D). The sludge samples were submitted to Alpha for petroleum fingerprint analysis. Petroleum fingerprint analysis was conducted to determine what type of petroleum product was stored in the USTs. Sample analyses concluded that AOC 1D contains No. 2 fuel oil and AOC 1E contains a mixture of No. 2 and No. 6 fuel oil. A copy of the full lab report is included in Laboratory Reports .

The UST excavation was backfilled using overburden soils.

5.2.2.1.2 AOC 1D and AOC 1E Recommendations

TTI recommended the removal of the two USTs per NJDEP UST removal guidance and the registration of the two USTs with the NJDEP.

5.3 AOC 2: Former Loading/Unloading Area

5.3.1 Geophysical Survey Results

No geophysical findings were relevant to AOC 2.

5.3.2 Site Investigation and Sampling Overview

SI investigations of AOC 2 included the installation of two soil borings in the area of the former loading/unloading area as identified on historical fire insurance maps and aerial photographs. A map depicting soil boring locations is included in Figures . Pertinent sampling information is compiled below.

AOC 2 SI Sampling Summary				
Boring ID	**Sample Depth (ft. bgs)**	**Boring Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
AOC 2-1	1-1.5	15	AOC 2-1	EPH Category 2; Full TCL/TAL
AOC 2-2	11.5-12	15	AOC 2-2	EPH Category 2; Full TCL/TAL

5.3.2.1 Analytical Results

All soil samples were collected and submitted to Pace for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

The two soil samples collected from the area of AOC 2 were analyzed for EPH Category 2 and Full Target Compound List/Target Analyte List (TCL/TAL) analytes. The soil samples returned exceedances of the NJDEP MGW for several metals. The exceedances are summarized below:

- AOC 2-1
    - Beryllium at 0.715 mg/kg (MGW: 0.7 mg/kg)
- AOC 2-2
    - Mercury at 0.396 mg/kg (MGW: 0.014 mg/kg)

No additional exceedances of applicable NJDEP standards were identified. Groundwater at the site is assumed to be impacted by historic fill material and exceedances of the MGW do not require further investigation per NJDEP guidance. TTI attributes the mercury and beryllium contamination to be associated with site-wide historic fill material.

5.3.2.1.1 AOC 2 Recommendations

TTI recommended further soil investigation of the mercury exceedance detected in AOC 2-2.

5.4 AOC 3: Potential Historic Fill Material and AOC 4: Potential Buried Debris

5.4.1 Geophysical Survey Results

The geophysical identified six metallic anomalies throughout the site consistent with near-surface metal debris. The debris is indicative of potential historic fill material. The geophysical survey also identified elevated soil conductivity throughout the northern portion of the site. Elevated soil conductivity is indicative of potential former building foundations and/or historic fill material.

5.4.2 Site Investigation and Sampling Overview

SI investigations of AOCs 3 and 4 included the installation of 12 test pits. A map depicting test pit locations is included in Figures . Test pit locations were selected to match locations of potential buried debris or historic fill material identified during the geophysical or the review of historical conditions at the site. Soil borings and test pits identified historic fill material (including brick, coal, and porcelain) located throughout the subject site at depths ranging from 0.5 to 8 feet bgs. Pertinent sampling information related to AOCs 3 and 4 is compiled below.

AOCs 3 and 4 SI Sampling Summary			
Test Pit/Boring ID	**Sample Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
TP-1	4-4.5	TP-1@4-4.5	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
TP-2	2.75-3.25	TP-2@2.75-3.25	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
TP-3	3.5-4	TP-3@3.5-4	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
TP-4	0.5-1	TP-4@0.5-1	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
TP-5	1.5-2	TP-5@1.5-2	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
TP-6	3-3.5	TP-6@3-3.5	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
TP-7	2.5-3	TP-7@2.5-3	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
TP-8	2-2.5	TP-8@2-2.5	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs

AOCs 3 and 4 SI Sampling Summary			
Test Pit/Boring ID	**Sample Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
TP-9	5-5.5	TP-9@5-5.5	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
TP-10	4-4.5	TP-10@4-4.5	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
TP-11	1.5-2	TP-11@1.5-2	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
TP-12	0.5-1	TP-12@0.5-1	Pesticides, TAL Metals, EPH Category 2, PCBs, VOCs, SVOCs
AOC 8-2	3-3.5	HIST FILL-1	PAHs, TAL Metals

5.4.2.1 Analytical Results

All soil samples were collected and submitted to Pace for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

Benzo(a)pyrene was detected in TP-4@0.5-1 at 0.656 mg/kg in exceedance of the RID-SRS (0.51 mg/kg) and lead was detected at 6,030 mg/kg in TP-6@3-3.5 in exceedance of the NRID-SRS (800 mg/kg). All samples returned exceedances of the MGW for several metals including mercury, lead, beryllium, and cadmium. Groundwater at the site is assumed to be impacted by historic fill material and exceedances of the MGW do not require further investigation per NJDEP guidance.

5.4.2.1.1 AOCs 3 and 4 Recommendations

TTI recommended additional investigation of the detected concentrations of benzo(a)pyrene in TP-4@0.5-1 and lead in TP-6@3-3.5.

5.5 AOC 6: Former Transformer Room

5.5.1 Geophysical Survey Results

No geophysical findings were relevant to AOC 6.

5.5.2 Site Investigation and Sampling Overview

SI investigations of AOC 6 included the installation of five soil borings in the area of the former transformer room as identified on historical fire insurance maps and aerial photographs. A map depicting soil boring locations is included in Figures . Pertinent sampling information is compiled below.

AOC 6 SI Sampling Summary				
Boring ID	**Sample Depth (ft. bgs)**	**Boring Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
AOC 6-1	10.5-11	15	AOC 6-1	EPH Cat. 2, PCBs
AOC 6-2	11-11.5	15	AOC 6-2	EPH Cat. 2, PCBs
AOC 6-3	11.5-12	15	AOC 6-3	EPH Cat. 2, PCBs
AOC 6-4	11.5-12	15	AOC 6-4	EPH Cat. 2, PCBs
AOC 6-5	No Sample	15	No Sample	No Sample

5.5.2.1 Analytical Results

All soil samples were collected and submitted to Pace for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

Soil samples collected to investigated AOC 6 were analyzed per NJDEP Table 2-1 Guidance for the investigation of transformer oil, including the analysis of all soil samples for EPH Category 2 and PCBs with 25 percent samples where EPH is detected being analyzed for PAHs.

The four soil samples returned EPH concentrations ranging from 11 mg/kg to 128 mg/kg. AOC 6-4@11.5-12 returned the highest concentration of EPH and was selected to be analyzed for PAHs. No PAHs were detected in exceedance of applicable NJDEP standards were detected in AOC 6-4@11.5-12.

5.5.2.1.1 AOC 6 Recommendations

TTI recommended no further investigation of AOC 6.

5.6 AOC 7: Former Rail Lines

5.6.1 Geophysical Survey Results

No geophysical findings were relevant to AOC 7.

5.6.2 Site Investigation and Sampling Overview

SI investigations of AOC 7 included the installation of two soil borings and two test pits along the former rail lines. The former rail lines location was identified using historical fire insurance maps and historical aerial photographs. A map depicting soil boring locations is included in Figures . Pertinent sampling information is compiled below.

AOC 7 SI Sampling Summary				
Boring ID	**Sample Depth (ft. bgs)**	**Boring Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
AOC 7-1	11-11.5	15	No Sample	No Sample
AOC 7-2	12-12.5	15	AOC 7-2@12-12.5	PAHs, PCBs, TAL Metals, EPH Category 2
TP-11	1.5-2		TP-11@1.5-2	TCL/TAL, EPH Category 2
TP-12	0.5-1		TP-12@0.5-1	TCL/TAL, EPH Category 2

5.6.2.1 Analytical Results

All soil samples were collected and submitted to Pace for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

Soil samples were collected from AOC 7-2, TP-11 and TP-12, which were installed below the former location of the rail lines. The soil samples collected from the test pits were analyzed for full TCL/TAL to cover any potential contaminants that may have been transported onto the subject site via train. The soil samples returned no exceedances of applicable NJDEP standards except for the following exceedances of the NJDEP MGW:

- Beryllium
    - MGW: 0.7 mg/kg
    - TP-11@12-12.5 concentration: 1.1 mg/kg
    - TP-12@0.5-1 concentration: 1.05 mg/kg
- Lead
    - MGW: 90 mg/kg
    - TP-11@12-12.5 concentration: 129 mg/kg
    - TP-12@0.5-1 concentration: 135 mg/kg
- Mercury
    - MGW: 0.1 mg/kg
    - TP-11@12-12.5 concentration: 0.194 mg/kg

- TP-12@0.5-1 concentration: 1.03 mg/kg

TTI attributes the exceedances of MGW to the site-wide presence of historic fill material. Groundwater at the site is assumed to be impacted by historic fill material and exceedances of the MGW do not require further investigation per NJDEP guidance.

5.6.2.1.1 AOC 7 Recommendations

TTI recommended no further investigation of AOC 7.

5.7 AOC 8: Former Pottery Manufacturing Operation

5.7.1 Geophysical Survey Results

No geophysical findings were relevant to AOC 8.

5.7.2 Site Investigation and Sampling Overview

SI investigations of AOC 8 included the installation of ten soil borings at the approximate locations of former kilns at the subject site. The former kilns were used as part of the historical pottery manufacturing operation and were located using historical aerial photographs and fire insurance maps. A map depicting soil boring locations is included in Figures . Pertinent sampling information is compiled below.

AOC 8 SI Sampling Summary				
Boring ID	**Sample Depth (ft. bgs)**	**Boring Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
AOC 8-1	12.5-13	15	AOC 8-1@12.5-13	EPH Cat. 2, Full TCL/ TAL
AOC 8-2	11.5-12	15	AOC 8-2@11.5-12	EPH Cat. 2, Full TCL/ TAL
AOC 8-3	13.5-14	15	AOC 8-3@13.5-14	EPH Cat. 2, Full TCL/ TAL
AOC 8-4	13-13.5	15	AOC 8-4@13-13.5	EPH Cat. 2, Full TCL/ TAL
AOC 8-5	13.5-14	15	AOC 8-5@13.5-14	EPH Cat. 2, Full TCL/ TAL
AOC 8-6	13.5-14	15	AOC 8-6@13.5-14	EPH Cat. 2, Full TCL/ TAL
AOC 8-7	13-13.5	15	AOC 8-7@13-13.5	EPH Cat. 2, Full TCL/ TAL

AOC 8 SI Sampling Summary				
Boring ID	**Sample Depth (ft. bgs)**	**Boring Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
AOC 8-8	12.5-13	15	AOC 8-8@12.5-13	EPH Cat. 2, Full TCL/ TAL
AOC 8-9	13-13.5	15	AOC8-9	EPH Cat. 2, Full TCL/ TAL
AOC 8-10	13-13.5	15	AOC8-10	EPH Cat. 2, Full TCL/ TAL

5.7.2.1 Analytical Results

All soil samples were collected and submitted to Pace for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

Soil samples were analyzed for EPH Category 2 and Full TCL/TAL to cover all potential contaminants that could be associated with historical operations. The soil samples returned no exceedances of applicable NJDEP standards.

5.7.2.1.1 AOC 8 Recommendations

TTI recommended no further investigation of AOC 8.

5.8 AOC 9: Former Coal Pile

5.8.1 Geophysical Survey Results

No geophysical findings were relevant to AOC 9.

5.8.2 Site Investigation and Sampling Overview

SI investigations of AOC 9 included the installation of one soil boring at the location of the former coal pile as identified on historical fire insurance maps. Additional shallow holes were dug in the area of AOC 9-1 via shovel to identify any residual coal in the area of AOC 9. No evidence of residual coal was identified. A map depicting soil boring locations is included in Figures . Pertinent sampling information is compiled below.

AOC 8 SI Sampling Summary				
Boring ID	**Sample Depth (ft. bgs)**	**Boring Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
AOC 9-1	0-0.5	0.5	AOC 9-1@0-0.5	PAHs, TAL Metals

5.8.2.1 Analytical Results

All soil samples were collected and submitted to Pace for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

AOC 9-1@0-0.5 returned no exceedances of applicable NJDEP standards, except for the following:

- Mercury at 0.359 mg/kg (MGW: 0.1 mg/kg)
- Benzo(a)Anthracene at 1.35 mg/kg (MGW: 0.71 mg/kg)
- Benzo(a)Pyrene at 1.35 mg/kg (RID-SRS: 0.51 mg/kg)

5.8.2.1.1 AOC 9 Recommendations

TTI recommended further investigation of the mercury, benzo(a)anthracene, and benzo(a)pyrene identified in association with AOC 9.

5.9 AOC 10: Historical Fire

5.9.1 Geophysical Survey Results

No geophysical findings were relevant to AOC 10.

5.9.2 Site Investigation and Sampling Overview

SI investigations of AOC 10 included the installation of seven soil borings throughout the site. A map depicting soil boring locations is included in Figures . Pertinent sampling information is compiled below.

AOC 10 SI Sampling Summary				
Boring ID	**Sample Depth (ft. bgs)**	**Boring Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
AOC 10-1	13-13.5	15	AOC 10-1@13-13.5	VOCs, PAHs, TAL Metals

AOC 10 SI Sampling Summary				
Boring ID	**Sample Depth (ft. bgs)**	**Boring Depth (ft. bgs)**	**Sample ID**	**Sample Analyses**
AOC 10-2	13-13.5	15	AOC 10-2@13-13.5	VOCs, PAHs, TAL Metals
AOC 10-3	12.5-13	15	AOC 10-3@12.5-13	VOCs, PAHs, TAL Metals
AOC 10-4	12-12.5	15	AOC 10-4@12-12.5	VOCs, PAHs, TAL Metals
AOC 10-5	11-11.5	15	AOC 10-5@11-11.5	VOCs, PAHs, TAL Metals
AOC 10-6	11.5-12	15	AOC 10-6@11.5-12	VOCs, PAHs, TAL Metals
AOC 10-7	12-12.5	15	AOC 10-7@12-12.5	VOCs, PAHs, TAL Metals

5.9.2.1 Analytical Results

All soil samples were collected and submitted to Pace for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

The seven soil samples collected to investigate AOC 10 returned no exceedances of applicable NJDEP standards.

5.9.2.1.1 AOC 10 Recommendations

TTI recommended no further investigation of AOC 10 at this time.

5.10 Groundwater Investigation

5.10.1 Temporary Well Point Sampling

TTI installed and sampled four temporary well points (TW-1 through TW-4) at the subject site on April 28, 2021. The temporary well points were installed in the northwestern corner (TW-1), northeastern corner (TW-2), southwestern corner (TW-4), and southeastern corner (TW-3) of the subject site. Temporary well point locations were selected to obtain general groundwater quality data for the entirety of the site. The temporary well points were installed to 20 feet bgs and depth to groundwater in each temporary well point ranged from 12.08 feet bgs to 15.20 feet bgs.

Temporary well points were purged via peristaltic pump prior to sample collection. Samples were collected laboratory-provided bottles via dedicated teflon bailers. Temporary well points were removed from the site and backfilled after sampling was complete.

5.10.1.1 Analytical Results

All groundwater samples were collected and submitted to Pace for analysis. Groundwater samples were compared to the NJDEP Groundwater Quality Standards (GWQS).

Groundwater samples were analyzed for TAL Metals, pesticides, PCBs, VOCs, and SVOCs. Exceedances of the GWQS for various metals (including aluminum, arsenic, iron, lead, beryllium, chromium, cobalt, manganese, nickel, sodium, and thallium) were detected in each of the temporary well points. Heptachlor epoxide was also detected in TW-2 at 0.27 micrograms per liter (ug/L), in exceedances of the GWQS of 0.004 ug/L. Heptachlor epoxide is a contaminant associated with pesticide application. No additional exceedances of the GWQS were detected in the groundwater samples.

5.10.2 Permanent Monitoring Well Sampling

TTI installed four monitoring wells (MW-1 through MW-4) on April 11, 2021 to confirm the presence of metals and heptachlor epoxide in exceedance of the GWQS identified in the temporary well points discussed above. Monitoring well installation and sampling techniques are discussed in 4.3.3 Monitoring Well Installation . The monitoring wells were drilled to a total depth of 20 feet each and constructed with 10 feet of riser, 10 feet of slotted PVC well screen, sand filter pack, bentonite plug and cement grout. Following installation, the monitoring wells will be developed by purging water from the well to removed suspended material from the well bores and filter pack and to establish connection with the surrounding aquifer. The monitoring wells were allowed two weeks to equilibrate following installation before sampling was conducted.

The permanent monitoring wells were installed in the northwestern corner (MW-1), northeastern corner (MW-2), southwestern corner (MW-3), and southeastern corner (MW-4) of the site. Permanent monitoring well locations were co-located with the locations of the former temporary well points at the site.

TTI collected groundwater samples from the four monitoring wells on May 19, 2022. The groundwater samples were analyzed for the analytes detected above the GWQS in their co-located temporary well points. except Aluminum and manganese were not analyzed in any groundwater sample collected from the permanent wells as aluminum and manganese are considered secondary contaminants. The analyses for each monitoring well sample are summarized below:

- MW-1: Arsenic, iron, lead, and sodium

- MW-2: Arsenic, iron, lead, beryllium, chromium, cobalt, nickel, thallium, and heptachlor epoxide
- MW-3: Arsenic, iron, lead, beryllium, chromium, cobalt, and nickel
- MW-4: Arsenic, iron, lead, beryllium, chromium, cobalt, and nickel

5.10.2.1 Analytical Results

All groundwater samples were collected and submitted to Pace for analysis. Groundwater samples were compared to the NJDEP Groundwater Quality Standards. No exceedances of chromium, cobalt, nickel, or thallium were detected in the groundwater samples. Exceedances of the NJDEP GWQS are highlighted in the table below:

Groundwater Sample Exceedances					
Analyte	**GWQS (mg/L)**	**MW-1 Concentration (mg/L)**	**MW-2 Concentration (mg/L)**	**MW-3 Concentration (mg/L)**	**MW-4 Concentration (mg/L)**
Arsenic	0.00002	ND	ND	ND	0.00889
Iron	0.3	2.63	0.0255	0.991	19.6
Lead	0.005	ND	ND	ND	0.00869
Sodium	50	80	No Sample (NS)	NS	NS
Beryllium	0.001	NS	ND	ND	0.00155
Heptachlor Epoxide	0.000004	NS	0.000265	NS	NS

5.10.2.2 Groundwater Recommendation

TTI recommended further investigation regarding the GWQS exceedances detected in the monitoring wells at the site.

6 REMEDIAL INVESTIGATION SUMMARY

6.1 AOC 1A, 1B, and 1C: Three Heating Oil USTs

No remedial investigation was conducted of AOCs 1A, 1B, and 1C in correlation with this SI/RI because no contamination was identified in association with AOC1A, 1B, and 1C during SI activities. The three heating oil USTs are planned to be removed from the site in the future. Additional action may be necessary following the UST removals if contamination is identified.

6.2 AOC 1D and 1E: Two Unknown USTs

No remedial investigation was conducted of AOCs 1D and 1E in correlation with this SI/RI because no exceedances of applicable NJDEP standards were identified during soil sampling conducted in the area of AOC1D and 1E during SI activities. The two USTs are planned to be removed from the site in the future. Additional action may be necessary following the UST removals if contamination is identified.

6.3 AOC 2: Former Loading/Unloading Area

TTI mobilized to the site on June 6, 2022 to conduct additional soil sampling in the area of AOC 2. One soil boring was installed five feet east, south, and west (AOC 2-2-E1, AOC 2-2-S1, and AOC 2-2-W1) of former boring location AOC 2-2 to delineate the extent of mercury contamination detected in AOC 2-2. No delineation boring was installed to the north of AOC 2-2 as AOC 2-1 (installed during the initial SI soil investigation) was located approximately 10 feet north of AOC 2-2 and returned mercury at a non-detect (ND) concentration. Soil samples were collected at the same depth as AOC 2-2 (i.e. 11.5-12 feet bgs) in the eastern, southern, and western borings. An additional sample was collected from the eastern delineation boring at 14.5-15 feet bgs to delineate contamination vertically. The delineation soil samples were analyzed for mercury.

6.3.1 Analytical Results

All soil samples were collected and submitted to Alpha for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

The four delineation soil samples returned ND concentrations of mercury.

6.3.2 Compliance Averaging

TTI conducted compliance averaging of the mercury samples collected from the area of AOC 2 to determine if current soil conditions meet the NJDEP MGW. Mercury was analyzed in six samples collected as a part of the investigation of AOC 2. Per NJDEP Compliance Averaging requirements, between two and nine samples are necessary to calculate site-wide compliance average for a contaminant. TTI notes that compliance averaging is being conducted to obtain compliance for mercury contamination associated with AOC 2 and AOC 9. TTI conducted compliance averaging for the two AOCs as two separate data sets with each data set including six samples.

Shown below is the arithmetic mean compliance averaging approach used to evaluate mercury.

Arithmetic Mean Compliance Averaging Mercury Results					
Sample ID	**Depth (ft)**	**Results (mg/kg)**	**Arithmetic Mean Calculation**		**MGW (mg/kg)**
AOC 2-1	0-0.5	ND	0.396/6	0.066 mg/kg	0.1
AOC 2-2	11.5-12	0.396			
AOC 2-2-E1-S@11.5-12	11.5-12	ND			
AOC 2-2-S1@11.5-12	11.5-12	ND			
AOC 2-2-W1@11.5-12	11.5-12	ND			
AOC 2-2-E1-D@14.5-15	14.5-15	ND			

The arithmetic mean of the mercury concentration detected in soil samples collected at AOC 2 (0.066 mg/kg) is below the NJDEP MGW of 0.1 mg/kg. TTI considers no further action to be necessary for the mercury contamination detected in the area of AOC 2.

6.3.3 AOC 2 - Soil Remedial Investigation Complete

Mercury was detected in exceedance of the NJDEP MGW in soil sample AOC 2-2. Mercury contamination was delineated to the north of AOC 2-2 via soil sample AOC 2-1 collected during initial SI sampling. Mercury contamination was delineated to the east, south, and west via soil samples AOC 2-2-E1-S@11.5-12, AOC 2-2-S1@11.5-12, and AOC 2-2-W1@11.5-12 respectively. Mercury contamination was delineated vertically via AOC 2-2-E1-D@14.5-15. TTI considers mercury contamination identified in AOC 2-2 to be fully delineated an the RI of AOC 2 to be complete.

6.4 AOC 3: Potential Historic Fill Material and AOC 4: Potential Buried Debris

TTI mobilized to the site on June 6, 2022 to conduct additional soil sampling in the areas of TP-4 and TP-6.

6.4.1 TP-4 Delineation Sampling

Delineation borings were installed five feet north, south, east, and west (TP-4-N1, TP-4-S1, TP-4-E1, and TP-4-W1) of TP-4 to delineate benzo(a)pyrene contamination detected in soil sample TP-4@0.5-1. A soil sample was collected from each delineation boring at 0.5-1 feet bgs (i.e. the same depth as the previously detected contamination). An additional sample was collected from TP-4-E1 at 4.5-5 feet bgs to delineate contamination vertically. The delineation soil samples were analyzed for benzo(a)pyrene.

6.4.1.1 Analytical Results

All soil samples were collected and submitted to Alpha for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

Delineation soil samples collected from the area of TP-4 were analyzed for bezno(a)pyrene. The delineation samples returned benzo(a)pyrene concentrations ranging from ND to 0.14 mg/kg. No exceedances of applicable NJDEP standards were detected in the delineation TP-4 delineation samples.

6.4.2 TP-6 Delineation Sampling

Delineation borings were installed five feet north, south, east, and west (TP-6-N1, TP-6-S1, TP-6-E1, and TP-6-W1) of TP-6 to delineate lead contamination detected in soil sample TP-6@3-3.5. A soil sample was collected from each delineation boring at 3-3.5 feet bgs (i.e. the same depth as the previously detected contamination). An additional sample was collected from TP-6-E1 at 4.5-5 feet bgs to delineate contamination vertically. The delineation soil samples were analyzed for lead.

6.4.2.1 Analytical Results

All soil samples were collected and submitted to Alpha for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

Delineation soil samples TP-6-E1-S@3-3.5 and TP-6-E1-D@4.5-5 (i.e. the eastern delineation sample and vertical delineation sample) returned lead at 41.7 mg/kg and 6.94 mg/kg respectively. These two detections are below applicable NJDEP remediation standards. TP-6-W1@3-3.5 and TP-6-S1@3-3.5 returned lead concentrations exceeding the NJDEP RI-SRS. TP-6-N1@3-3.5 returned lead in exceedance of the NJDEP MGW.

Additional delineation soil samples were collected 10 feet north, south, and west of TP-6 (TP-6-N2@3-3.5, TP-6-S2@3-3.5, and TP-6-W2@3-3.5). The second round of delineation soil samples were analyzed for lead and returned no exceedances of applicable NJDEP cleanup criteria.

6.4.3 AOC 3 and AOC 4 - Soil Remedial Investigation Complete

Benzo(a)pyrene was detected in exceedance of the NJDEP RID-SRS in soil sample TP-4@0.5-1. Benzo(a)pyrene contamination was delineated to the north, south, east and west via soil samples TP-4-N1@0.5-1, TP-4-S1@0.5-1, TP-4-E1-S@0.5-1, and TP-4-W1@0.5-1 respectively. Benzo(a)pyrene contamination was delineated vertically via soil sample TP-4-E1-D@4.5-5. TTI considers the benzo(a)pyre contamination identified at TP-4@0.5-1 to be fully delineated.

Lead was detected in exceedance of the NJDEP NRID-SRS in soil sample TP-6@3-3.5. Lead contamination was delineated to the north, south, east, and west via soil samples TP-6-N2@3-3.5, TP-S2@3-3.5, TP-6-E1-S@3-3.5, and TP-6-W2@3-3.5 respectively. Lead contamination was delineated vertically via soil sample TP-6-E1-D@4.5-5. TTI considers the lead contamination identified at TP-6 to be fully delineated.

All soil contamination associated with AOCs 3 and 4 at the site has been delineated. TTI considers the RI of AOCs 3 and 4 to be complete.

6.4.4 AOC 3: Potential Historic Fill (Groundwater)

Beryllium, lead, mercury, zinc, cadmium were detected above MGWSRS in layers where historic fill was observed. Heptachlor epoxide was not detected above applicable standards in soil samples, but heptachlor epoxide is a contaminant commonly associated with historic fill material. It is TTI's opinion that the metals and heptachlor epoxide detected in groundwater are attributed to the presence of historic fill at the site and not from releases from discrete AOCs. A Classification Exception Area (CEA) for groundwater impacted by historic fill is recommended to restrict use of groundwater at the site.

6.5 AOC 6: Former Transformer Room

No contamination was identified in the area of AOC 6 during SI activities. No RI is necessary of AOC 6.

6.6 AOC 7: Former Rail Lines

No contamination was identified in the area of AOC 7 during SI activities. No RI is necessary of AOC 7.

6.7 AOC 8: Former Pottery Manufacturing Operation

No evidence of a release was identified during initial SI sampling in association with AOC 8. No RI activities were necessary to further investigate AOC 8.

6.8 AOC 9: Former Coal Pile

6.8.1 Benzo(a)pyrene Investigation

TTI mobilized to the site on June 9, 2022 to further investigate benzo(a)pyrene, benzo(a)anthracene, and mercury contamination identified in the area of AOC 9 during initial SI sampling. Initial contamination was identified in soil sample AOC 9-1@0-0.5 TTI collected delineation soil samples five feet north, south, east, and west of AOC 9-1@0-0.5 (AOC 9-1-N1@0-0.5, AOC 9-1-S1@0-0.5, AOC 9-1-E1-S@0-0.5, and AOC 9-1-S1@0-0.5). A vertical delineation sample was collected five feet east of AOC 9-1 (AOC 9-1-E1-D@4.5-5). The soil samples were analyzed for benzo(a)pyrene.

All soil samples were collected and submitted to Alpha for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

The northern and eastern delineation samples returned no exceedances of applicable NJDEP cleanup standards. The southern and western delineation samples returned benzo(a)pyrene in exceedance of the NJDEP RID-SRS. The vertical delineation sample was analyzed for benzo(a)pyrene and returned no exceedances of NJDEP standards.

Additional delineation samples were collected 10 feet west and south (AOC 9-1-W2@0-0.5 and AOC 9-1-S2@0-0.5) of AOC 9-1. AOC 9-1-S2@0-0.5 returned no exceedances of NJDEP standards for benzo(a)pyrene; AOC 9-1-W2@0-0.5 returned benzo(a)pyrene above the RID-SRS.

On January 5, 2023 TTI returned to the site to conduct additional delineation sampling. TTI collected a delineation soil sample 15 feet west of AOC 9-1 (AOC 9-1R-W3@0-0.5). The soil sample was analyzed for benzo(a)pyrene and returned no exceedances of NJDEP standards.

TTI considers the benzo(a)pyrene contamination to have been fully delineated via soil samples AOC 9-1-N1@0-0.5 (northern boundary) AOC 9-1-S2@0-0.5 (southern boundary), AOC 9-1-E1-S@0-0.5 (eastern boundary), AOC 9-1R-W3@0-0.5 (western boundary), and AOC 9-1-E1-D@4.5-5 (vertical boundary).

6.8.2 Benzo(a)anthracene Investigation

TTI mobilized to the site on January 5, 2023 to further investigate benzo(a)anthracene contamination detected in AOC 9-1@0-0.5 during initial SI sampling. TTI notes that benzo(a)anthracene was detected above the NJDEP MGW cleanup standard only. Remediation is necessary of MGW exceedances only if the contamination is present in soil within two feet of groundwater. The minimum depth to groundwater at the site is approximately 13 feet bgs.

TTI installed an additional soil boring at the location of AOC 9-1 and collected a soil sample at 4-4.5 feet bgs (AOC 9-1R@4-4.5).

The soil sample was analyzed for benzo(a)anthracene. All soil samples were collected and submitted to Alpha for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

AOC 9-1R@4-4.5 returned ND concentration of benzo(a)anthracene.

TTI considers AOC 9-1R@4-4.5 to have vertically delineated benzo(a)anthracene contamination. Benzo(a)anthracene is not present above the MGW within two feet of groundwater. No further action is necessary of benzo(a)anthracene in association with AOC 9.

6.8.3 Mercury Investigation

TTI mobilized to the site on January 5, 2023 to further investigate mercury contamination detected in AOC 9-1@0-0.5 during initial SI sampling. Mercury was initially detected at 0.359 mg/kg, above the NJDEP MGW value of 0.1 (TTI notes that mercury did not exceed any additional applicable NJDEP soil remediation standards). TTI collected soil samples five feet north, south, east, and west of AOC 9-1 at 0-0.5 feet bgs (AOC 9-1R-N1, AOC 9-1R-S1, AOC 9-1R-E1, and AOC 9-1R-W1; TTI notes that these sample locations are co-located with AOC 9-1-N1, AOC9-1-S1, etc.). A vertical delineation sample was also collected at the original AOC 9-1 location at 3-3.5 feet bgs (AOC 9-1R@3-3.5).

All soil samples were collected and submitted to Alpha for analysis. TTI evaluated analytical data against the current soil standards. Soil samples were compared to the NJDEP MGW, NRI-SRS, NRID-SRS, RI-SRS, and RID-SRS.

The soil samples were analyzed for mercury and returned the following results:

- AOC 9-1R-N1: 0.051 mg/kg
- AOC 9-1R-S1: 0.293 mg
- AOC 9-1R-E1: ND
- AOC 9-1R-W1: 0.067 mg/kg
- AOC 9-1R@3-3.5: 0.119 mg/kg

Mercury was detected above the NJDEP MGW in AOC 9-1R-S1 and AOC 9-1R@3-3.5.

6.8.3.1 Site Specific MGW

SI and RI sampling results identified mercury concentrations in excess of the NJDEP MGW. NJDEP allows for the creation of a site specific MGWSRS when contaminants are present in soil at a concentration above the MGWSRS through a process known as Synthetic Precipitation Leachate Procedure (SPLP). SPLP is a standardized EPA test method (SW-846) that can be used to estimate the site-specific adsorption-desorption potential of a contaminant which is used to understand the potential of a contaminant to move from soil to groundwater. This method factors for the influences of on-site conditions and specificities of soil composition in to the calculation of a more representative MGW.

Samples with the highest concentrations of mercury detected during the January 5, 2023 sampling event were analyzed for SPLP to attempt to establish a site-specific MGW. The NJDEP SPLP Spreadsheet version 1.0, dated May 2021 was used to calculate a site specific MGW. The output of the SPLP spreadsheet is included in SPLP Calculations .

Soil samples AOC 9-1R-W1, AOC 9-1R@3-3.5, and AOC 9-1R-S1 were used to attempt to establish a site-specific MGW for mercury. The SPLP output spreadsheet stated all samples passed; a remediation standard of 0.293 mg/kg could be utilized using Option 1a. Option 2 “Remediation Standard Using Site Specific K_d Value” yielded a site specific MGW of 0.29 mg/kg. Option 3 was considered not valid.

Since both option 1a and 2 passed, TTI utilized the higher concentration of 0.293 mg/kg as the site specific MGW for mercury. Mercury was not detected above the site-specific MGW in any samples except AOC 9-1@0-0.5, where mercury was detected at 0.359 mg/kg.

6.8.3.2 Compliance Averaging

TTI conducted compliance averaging of the mercury samples collected from the area of AOC 9 to determine if current soil conditions met the site-specific MGW. Mercury was analyzed in six samples collected as a part of the investigation of AOC 9. Per NJDEP Compliance Averaging requirements, between two and nine samples are necessary to calculate site-wide compliance

average for a contaminant. TTI notes that compliance averaging is being conducted to obtain compliance for mercury contamination associated with AOC 2. TTI conducted compliance averaging for the two AOCs as two separate data sets with each data set including six samples.

Shown below is the arithmetic mean compliance averaging approach used to evaluate mercury.

Arithmetic Mean Compliance Averaging Mercury Results					
Sample ID	**Depth (ft)**	**Results (mg/kg)**	**Arithmetic Mean Calculation**		**Site-Specific MGW (mg/kg)**
AOC 9-1@0-0.5	0-0.5	0.359	0.889/6	0.148167 mg/kg	0.293
AOC 9-1R-N1	0-0.5	0.051			
AOC 9-1R-W1	0-0.5	0.067			
AOC 9-1R-E1	0-0.5	ND			
AOC 9-1R@3-3.5	3-3.5	0.119			
AOC 9-1R-S1	0-0.5	0.293			

The arithmetic mean of the mercury concentration detected in soil samples collected at AOC 9 (0.148167 mg/kg) is below the site-specific MGW of 0.293 mg/kg. TTI considers no further action to be necessary for the mercury contamination detected in the area of AOC 9.

6.9 AOC 10: Historical Fire

No evidence of a release was identified during initial SI sampling in association with AOC 10. No RI activities were necessary to further investigate AOC 10.

7 CONCEPTUAL SITE MODEL

TTI constructed the Conceptual Site Model (CSM) as per the NJDEP Technical Guidance for Preparation and Submission of a Conceptual Site Model, December 16, 2011. The CSM is a written and/or illustrative representation of the physical, chemical and biological processes that control the transport, migration and actual/potential impacts of contamination to human and/or ecological receptors. The goal of the CSM is to provide a description of relevant site features and the surface and subsurface conditions to understand the extent of identified contaminants of concern and the risk they pose to receptors (NJDEP, 2011). The CSM is an iterative process that is refined during the investigation. This CSM has been established based on data collected thus far in the investigation.

7.1 Description of Source, Pathways and Receptors

The source of contamination at the site was soil contaminated through a historical pottery manufacturing operation. The pottery manufacturing operation included the use of rail lines on the western and southern portion of the site and an associated loading/unloading area in the southeastern portion of the site. A coal pile was stored in the southeastern portion of the site to fuel kilns used to manufacture pottery. Additional potential sources of contamination at the site include five USTs containing heating oil and debris associated with a former tire wholesale facility that burned down at the site. Several SVOCs and metals were identified in soil samples collected throughout the site. All soil contamination originating at the site has been delineated and is restricted to the site. Metals were identified in groundwater that have been attributed to the presence of historic fill at the site.

Potential exposure pathways include ingestion, direct contact, and inhalation. Receptors include visitors to the site; no sensitive populations are present at the site. The future use of the site is not currently known. The remedial goals for the site are to prepare the site for redevelopment.

7.2 Conceptual Site Model Summary

- Contaminants of concern in soil are lead, mercury, chlordane, beryllium, cadmium, zinc, and benzo(a)pyrene
- Contaminants were detected in areas of the site where historic fill was encountered
- Historic fill consisting of brick, concrete, ash and slag was observed at several locations across the site
- The majority of contaminants were above the MGWSRS only
- Lead was detected above NRIDSRS at TP-6; delineation complete
- Remedial approach for lead at TP-6 is excavation and offsite disposal
- Benzo(a)pyrene was detected above the RIDSRS at TP-4; delineation complete
- Remedial approach for benzo(a)pyrene at TP-4 is excavation and offsite disposal

- Benzo(a)pyrene was detected at AOC 9-1 above the NJDEP RID-SRS; delineation complete
- Remedial approach for benzo(a)pyrene at AOC 9-1 is excavation and offsite disposal
- Metals and heptachlor epoxide detected in groundwater are attributed to the presence of historic fill at the site
- Remedial approach for groundwater is establishment of a virtual CEA to restrict the use of groundwater at the site

8 CLASSIFICATION EXCEPTION AREA (CEA)

The establishment of a CEA is required as part of the remedial investigation report. A CEA is an institutional control which identifies an area under which groundwater impact has been identified. The width, depth, length, and duration of the CEA is defined by way of the installation and sampling of groundwater monitoring wells and the inclusion of this data into fate and transport models of the subject site.

A CEA may be established when Ground Water Quality Standards are not met in a localized area due to pollution within a contaminated site. Due to this pollution, designated uses, for example use of groundwater as a potable drinking water supply, may not be possible without the proper precautions. The NJDEP is obligated to establish a Well Restriction Area (WRA) in conjunction with the CEA where contaminant levels exceed the Primary Drinking Water Standards in an aquifer classification that includes potable use.

The CEA has been established due to groundwater impacts associated with AOC 3 Historic Fill Material. Historic fill was detected sitewide with metals greater than the MGWSRS. Metals and heptachlor epoxide were detected above GWQS in monitoring wells at the site. The proposed CEA duration is indeterminate since groundwater is impacted by metals related to historic fill and the proposed redevelopment of the site does not include removal of historic fill material.

The CEA's horizontal extent covers the entirety of the site since historic fill was detected sitewide. The proposed CEA covers 1.98 acres. The vertical extent of the CEA is 20 feet bgs. A map depicting the CEA/WRA Boundary is included in Figures . The map is set on the New Jersey State Plane Coordinate System (NJSPCS), and all boundaries are defined by NJSPCS coordinates. Other required CEA/WRA data are presented below. The CEA/WRA Fact Sheet will be included in CEA/WRA Fact Sheet following the report of a release to NJDEP.

SITE LOCATION:	1115 Chestnut Street, Camden, NJ
PROPOSED CEA:	1.98 acres
FORMATION:	Cape May Formation
CONTAMINANTS:	Metals and heptachlor epoxide from historic fill
DURATION:	Indeterminate
NOTIFICATION:	Camden County Dept. of Health & Human Services
	City of Camden (property owner)
BOUNDARIES:	Block 1302, Lot 1

9 ECOLOGICAL EVALUATION

TTI conducted an Ecological Evaluation (EE) as per requirements set forth in NJDEP Technical Requirements for Site Remediation N.J.A.C. 7:26E - 1.16 and 4.8. The EE is a part of a tiered approach developed by the NJDEP SRP, to conduct an ecological evaluation and risk assessment on contaminated sites. The purpose of the EE is to evaluate ecological risks at a site early in the remedial process.

The EE is structured to identify the co-occurrence of the following at the subject site:

1. Contaminants of potential ecological concern (COPEC).
2. Environmentally sensitive areas located within the subject site boundaries and on properties immediately adjacent to the subject site.
3. Potential chemical migration pathways to any environmentally sensitive areas identified in Number 2; or any observations of potential impact to the identified environmentally sensitive areas that might be attributed to site contamination.

As stated in the NJDEP Ecological Evaluation Technical Guidance document, dated February 2015:

"If ESNRs [Environmentally Sensitive Natural Resources] do not exist, it is not necessary to complete the requirements of Sections 5.2 through 5.4, and documentation of the lack of ESNRs should comprise the EE report. If ESNRs exist, complete Sections 5.2 through 5.5."

No ESRNs are located within the vicinity of the subject site, nor are any area ESNRs presumed to be impacted by contaminants present on the subject site. Due to the lack of an ESNR, TTI considers the EE to be complete.

10 CONCLUSIONS AND RECOMMENDATIONS

TTI has completed a SI and RI for the site. Based on the findings of the SI and RI, TTI concludes the following:

10.1 AOC 1A, 1B, and 1C: Three Heating Oil USTs

A SI was conducted of the three heating oil USTs including the collection of soil samples from the immediate vicinity of the USTs. Soil samples collected from the vicinity of the USTs were analyzed per NJDEP Table 2-1 Guidance for the investigation of No. 2 Heating Oil and NJDEP Table 2-1 Guidance for the investigation of No. 4 and No. 6 Heating Oil. The soil samples returned no exceedances of applicable NJDEP standards.

TTI recommended the removal of the three heating oil USTs per NJDEP UST removal guidance. TTI also recommended the registration of the three USTs be properly updated with the NJDEP following their removal.

10.2 AOC 1D and 1E: Two Unknown USTs

A SI was conducted of AOCs 1D and 1E including the collection of soil samples from the immediate vicinity of the USTs. Soil samples collected from the vicinity of the USTs were analyzed per NJDEP Table 2-1 Guidance for the investigation of No. 2 Heating Oil and NJDEP Table 2-1 Guidance for the investigation of No. 4 and No. 6 Heating Oil. No exceedances of applicable NJDEP standards were detected in the samples.

TTI also collected samples of residual product in the two USTs for petroleum fingerprint analysis. The petroleum fingerprint analysis concluded that AOC 1D (the eastern UST) contains No. 2 fuel oil and AOC 1E (the western UST) contains a mixture of No. 2 and No. 6 fuel oil.

TTI recommended the removal of the two USTs per NJDEP UST removal guidance. TTI also recommended the registration of the three USTs be properly updated with the NJDEP following their removal.

10.3 AOC 2: Former Loading/Unloading Area

A SI/RI was conducted to investigate AOC 2. Mercury was discovered in exceedance of the NJDEP MGW in the vicinity of AOC 2. TTI conducted additional sampling in the area of AOC 2 and delineated the mercury contamination. TTI utilized compliance averaging of the mercury concentrations detected in soil samples collected at AOC 2 to obtain attainment of the MGW for mercury.

TTI recommends no further investigation of AOC 2.

10.4 AOC 3: Potential Historic Fill Material and AOC 4: Potential Buried Debris

TTI conducted a SI/RI of AOCs 3 and 4. SI sampling of AOCs 3 and 4 identified benzo(a)pyrene and lead above the NJDEP RID-SRS in TP-4 and TP-6 respectively. TTI conducted additional soil sampling to delineate benzo(a)pyrene contamination to a 10 foot wide by 10 foot long by 5 foot deep volume of soil. Additional soil sampling was conducted to delineated lead contamination to a 20 feet wide by 15 feet long by 5 foot deep volume of soil. Contaminated soils associated with AOCs 3 and 4 remain at the site.

TTI recommended the hotspot remediation of soils impacted by AOCs 3 and 4. TTI recommends a virtual institutional control be established for historic fill-related contaminants in groundwater at the site.

10.5 AOC 6: Former Transformer Room

TTI conducted a SI of AOC 6 including the collection and analysis of four soil samples for EPH and PCBs with potential expansion for PAHs. The soil samples returned no exceedances of applicable NJDEP standards.

TTI recommended no further investigation of AOC 6.

10.6 AOC 7: Former Rail Lines

TTI conducted a SI of AOC 7 including the collection and analysis of three soil samples. The soil samples returned exceedances of the MGW for various metals. TTI attributes the exceedances of MGW to the site-wide presence of historic fill material. Groundwater at the site is assumed to be impacted by historic fill material and exceedances of the MGW do not require further investigation per NJDEP guidance.

TTI recommended no further investigation of AOC 7.

10.7 AOC 8: Former Pottery Manufacturing Operation

TTI conducted a SI to investigate AOC 8 including the collection and analysis of ten soil samples for TCL/TAL. The soil samples returned no exceedances of applicable NJDEP standards.

TTI recommended no further investigation of AOC 8.

10.8 AOC 9: Former Coal Pile

A SI/RI was conducted to investigate AOC 9. Mercury was discovered in exceedance of the NJDEP MGW in the vicinity of AOC 9. TTI conducted additional sampling in the area of AOC 9 and delineated the mercury contamination. A site-specific MGW standard was developed for the site using SPLP analysis of soil samples analyzed for mercury during the investigation of AOC 9. The site-specific MGW for mercury is 0.293 mg/kg. TTI utilized compliance averaging of the mercury concentrations detected in soil samples collected at AOC 2 to obtain attainment of the site-specific MGW for mercury. No further action is necessary of mercury in association with AOC 9.

Benzo(a)anthracene was detected in exceedance of the NJDEP MGW in the vicinity of AOC 9. TTI conducted additional sampling in the area of AOC 9 and delineated the mercury contamination. Remediation is necessary of MGW exceedances only if the contamination is present in soil within two feet of groundwater. The minimum depth to groundwater at the site is approximately 13 feet bgs. Vertical delineation of benzo(a)anthracene confirmed that the contamination is not present below five feet bgs. No further action is necessary of benzo(a)anthracene in association with AOC 9.
Benzo(a)pyrene was detected in exceedance of the NJDEP RID-SRS. in the vicinity of AOC 9. TTI conducted additional sampling in the area of AOC 9 and delineated the extent of benzo(a)pyrene contamination in soil. TTI recommends the hotspot remediation of soils impacted by benzo(a)pyrene associated with AOC 9.

10.9 AOC 10: Historical Fire

A SI was conducted to investigation AOC 10. The SI included the collection and analysis of seven soil samples for VOCs, PAHs, TAL Metals. The soil samples returned no exceedances of applicable NJDEP standards.

TTI recommended no further action for AOC 10.

Appendix A: Figures

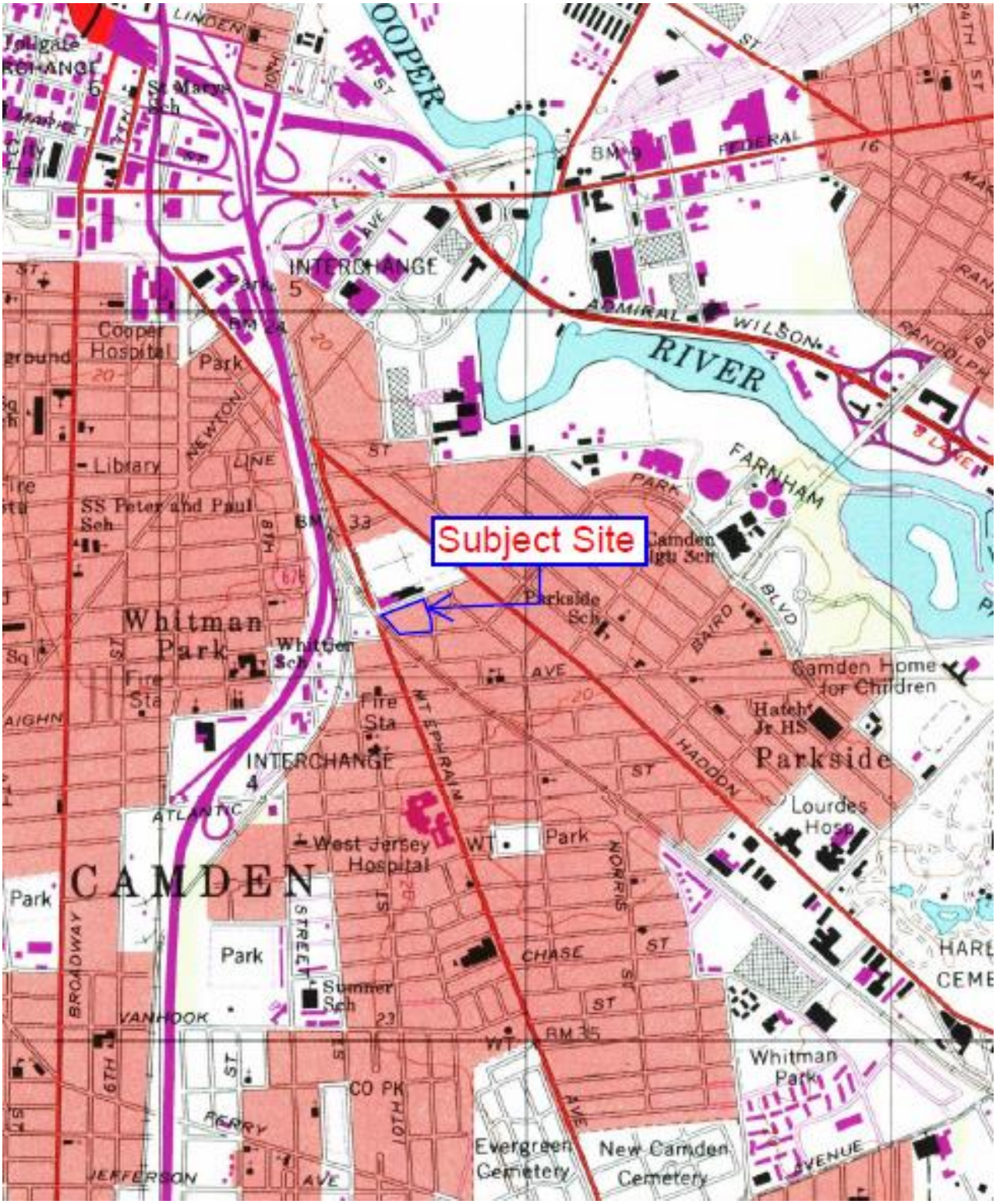

Figure 1.0:

Regional Site Location Map

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County,
New Jersey 08103

TTI Environmental, Inc.
www.ttienv.com

SCALE	DRAWN BY	DATE
1:7,500	USGS	1/2021
PROJECT	APP'D BY	DRAWING NO.
20-763	AB	1.0

Figure 2.0:

Site Diagram

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

N

TTI Environmental, Inc.
www.ttienv.com

SCALE	DRAWN BY	DATE
As Shown	TTI	1/2021
PROJECT	APP'D BY	DRAWING NO.
20-763	AB	2.0

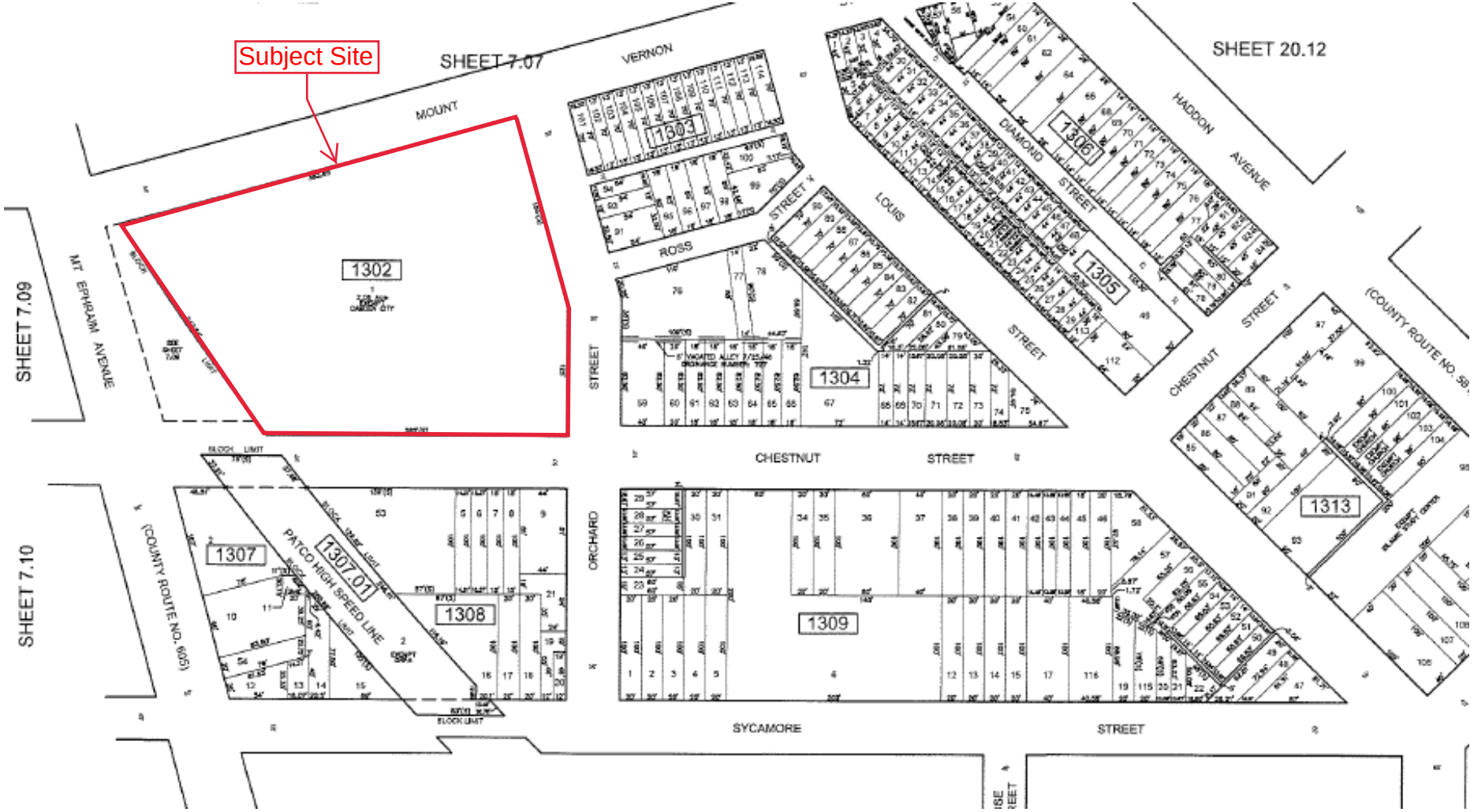

Figure 3.0:

Tax Map

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

N

TTI Environmental, Inc.
www.ttienv.com

SCALE	DRAWN BY	DATE
NTS	City of Camden	1/2021
PROJECT	APP'D BY	DRAWING NO.
20-763	AB	3.0

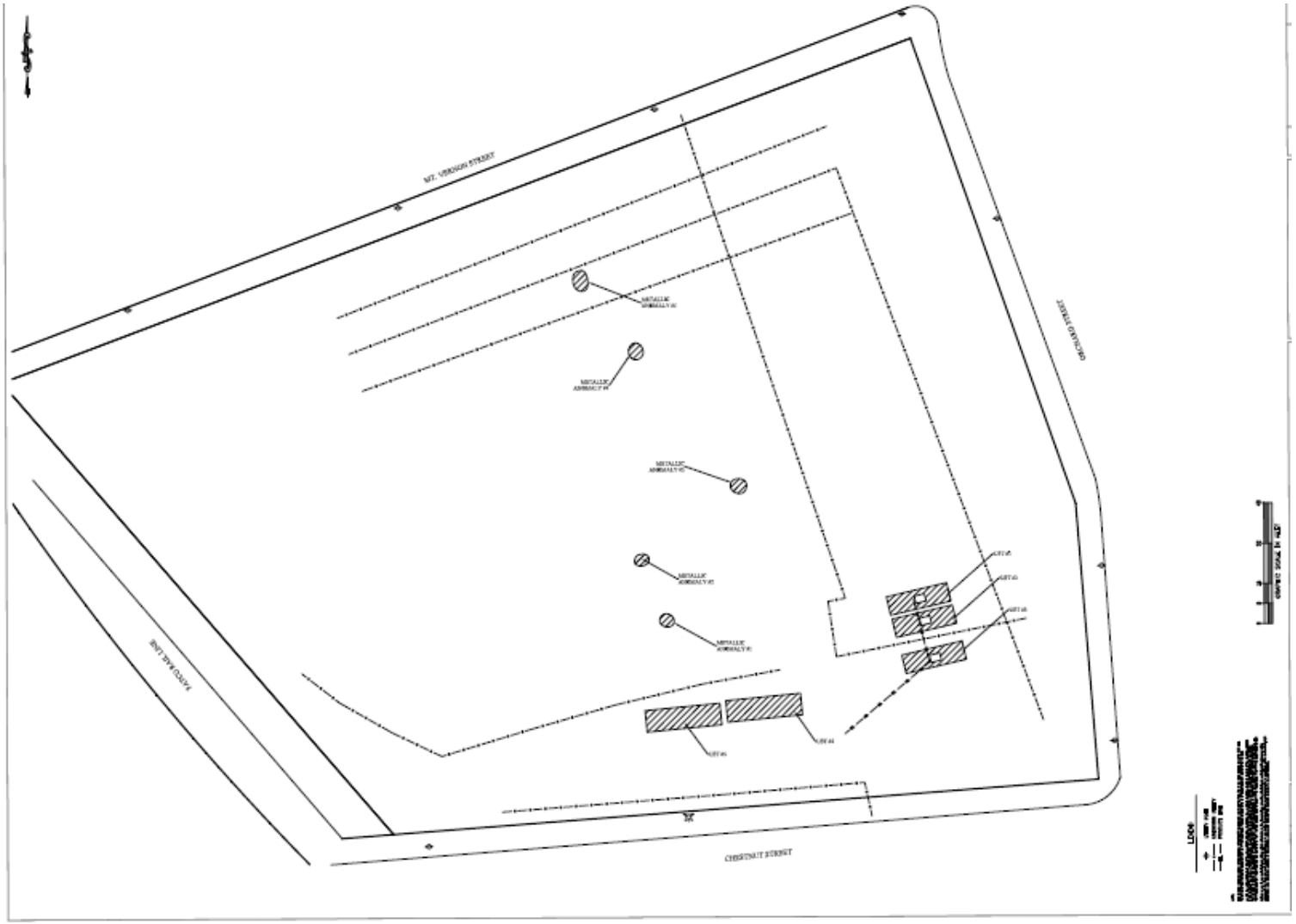

Figure 4.0:

Geophysical Map

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

TTI Environmental, Inc.
www.ttienv.com

SCALE	DRAWN BY	DATE
As Shown	Delta	1/2021
PROJECT	APP'D BY	DRAWING NO.
20-763	AB	4.0

Figure 5.0:

AOC Map

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

N

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SCALE	DRAWN BY	DATE
As Shown	TTI	1/2021
PROJECT	APP'D BY	DRAWING NO.
20-763	AB	5.0

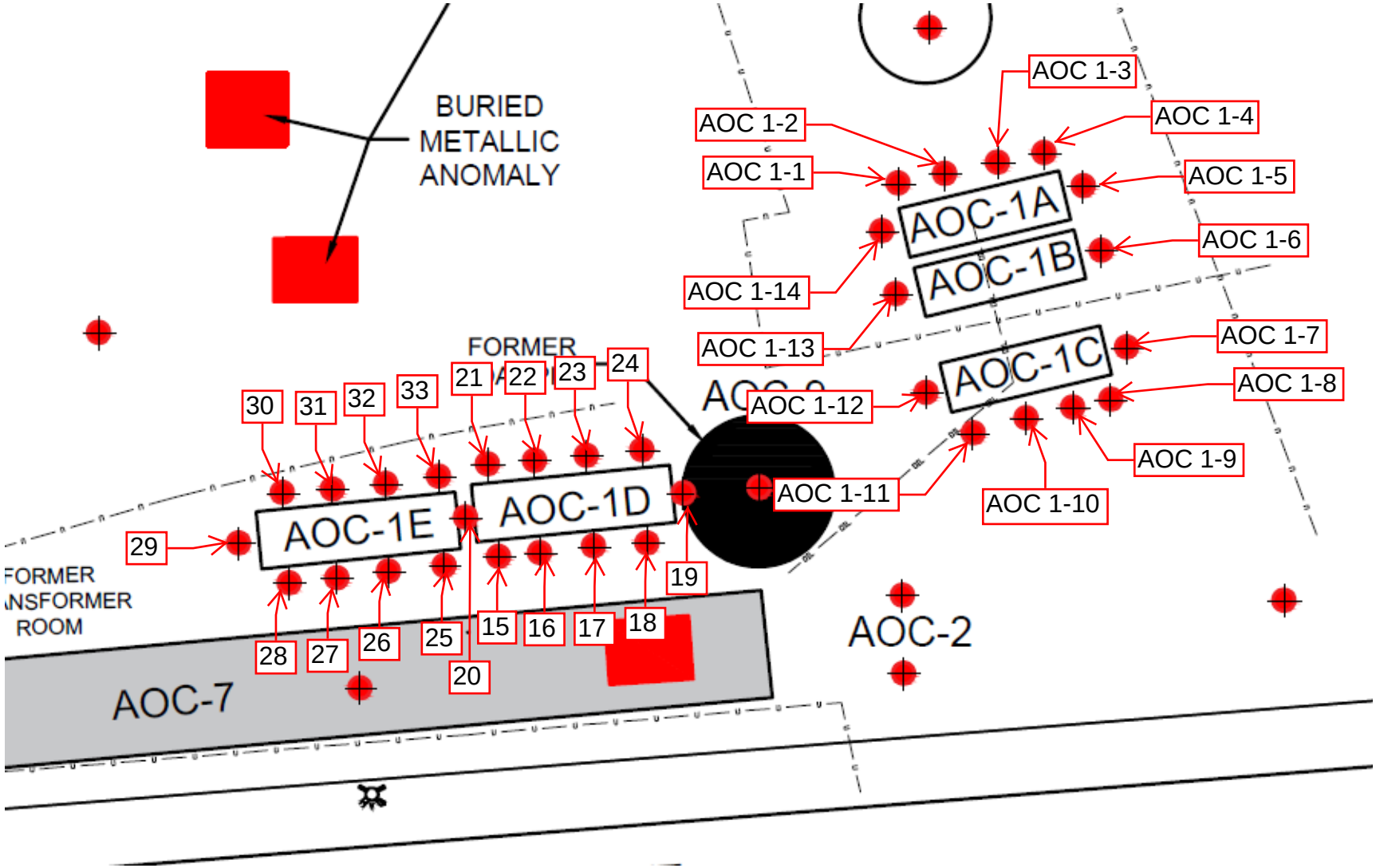

Figure 6.0

AOC 1 Soil Boring Location Map(April 2021)

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

N

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PROJECT	APP'D BY	
20-763	AB	

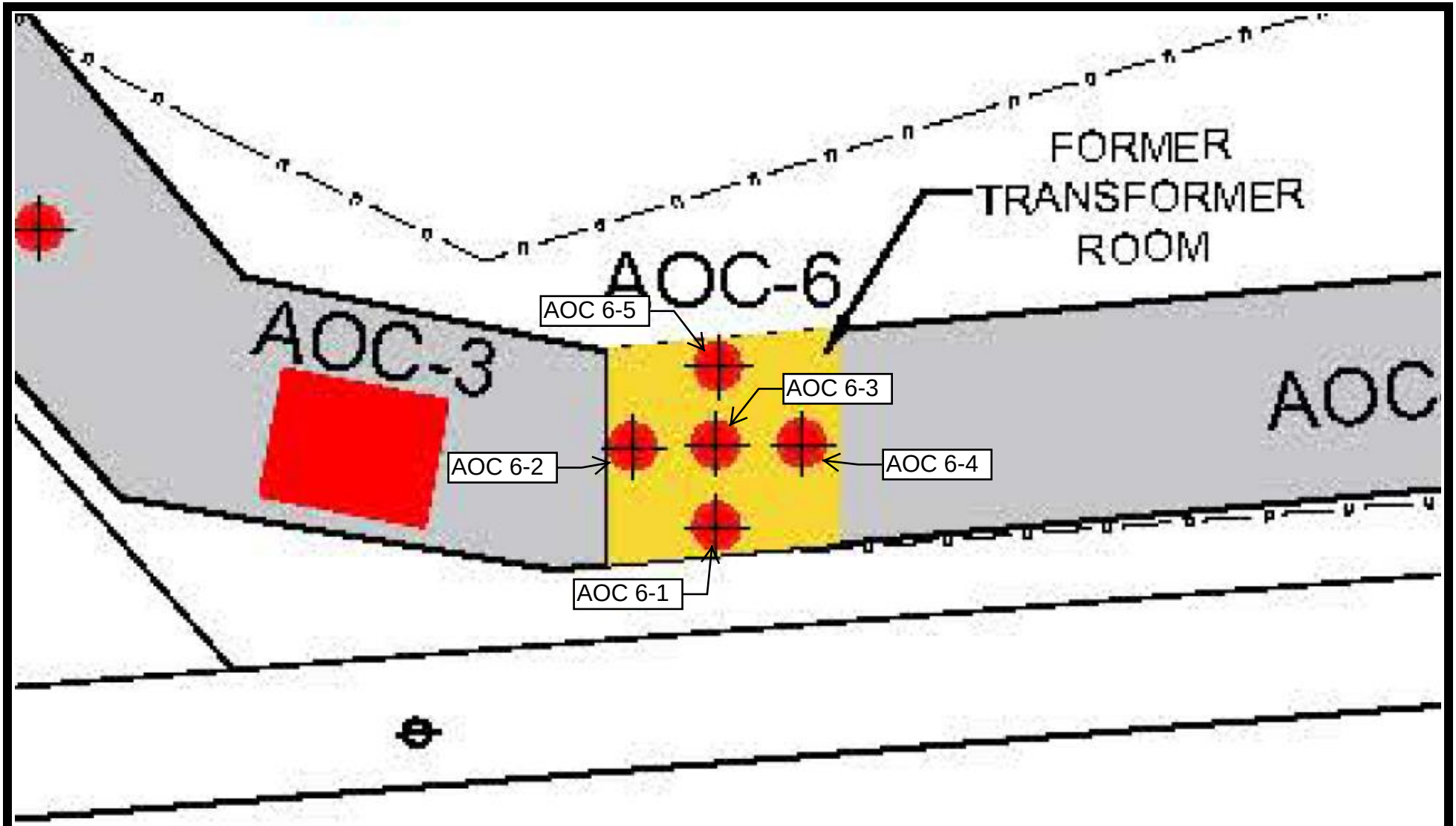

Figure 7.0

AOC 6 Soil Boring Location Map (April 2021)

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

N

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PROJECT	APP'D BY	
20-763	AB	

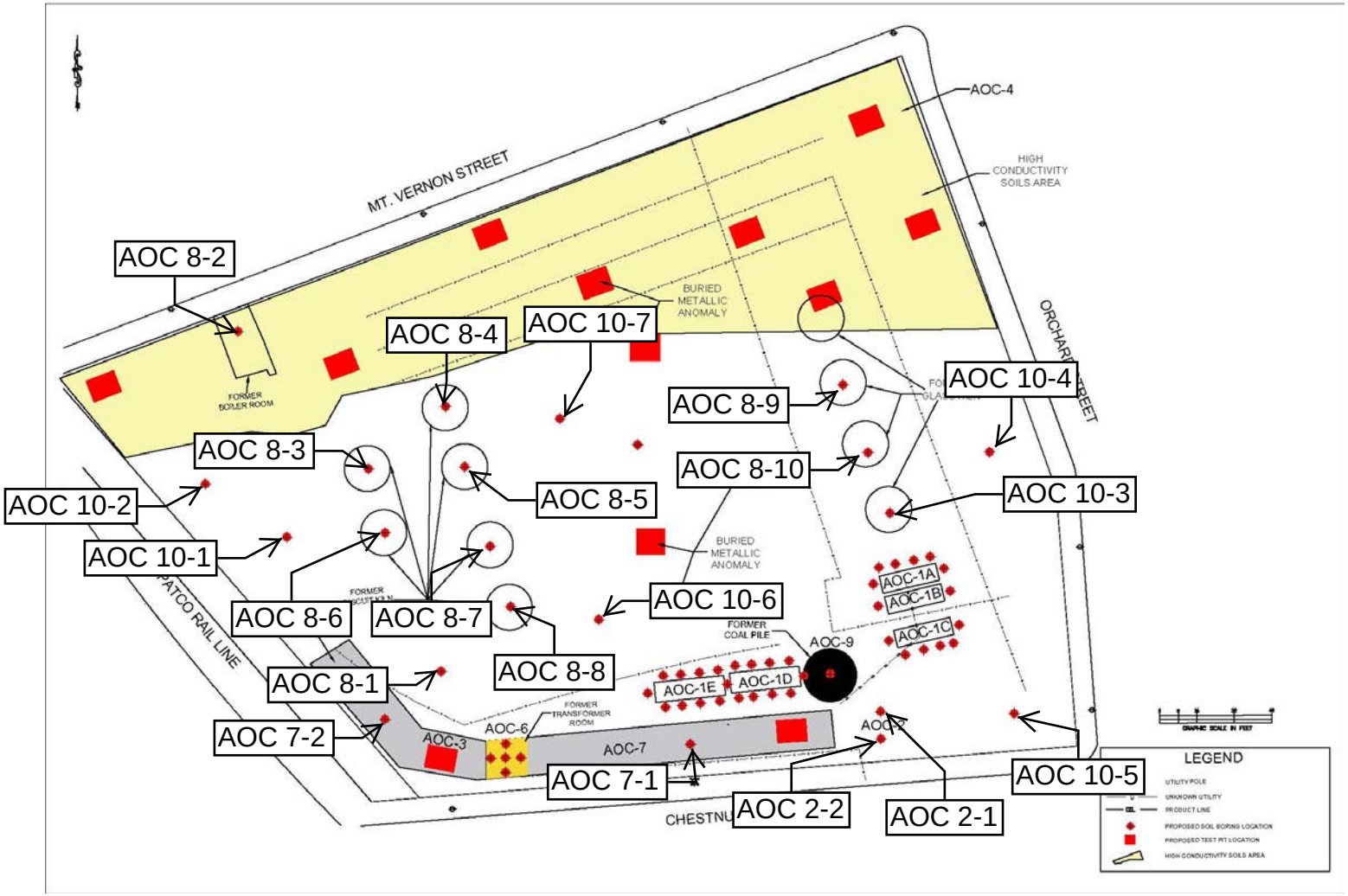

Figure 8.0:

Additional April 2021 Soil Sample Locations

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

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TTI Environmental, Inc.
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SCALE	DRAWN BY	DATE
As Shown	AF	1/2021
PROJECT	APP'D BY	DRAWING NO.
20-763	AB	6.0

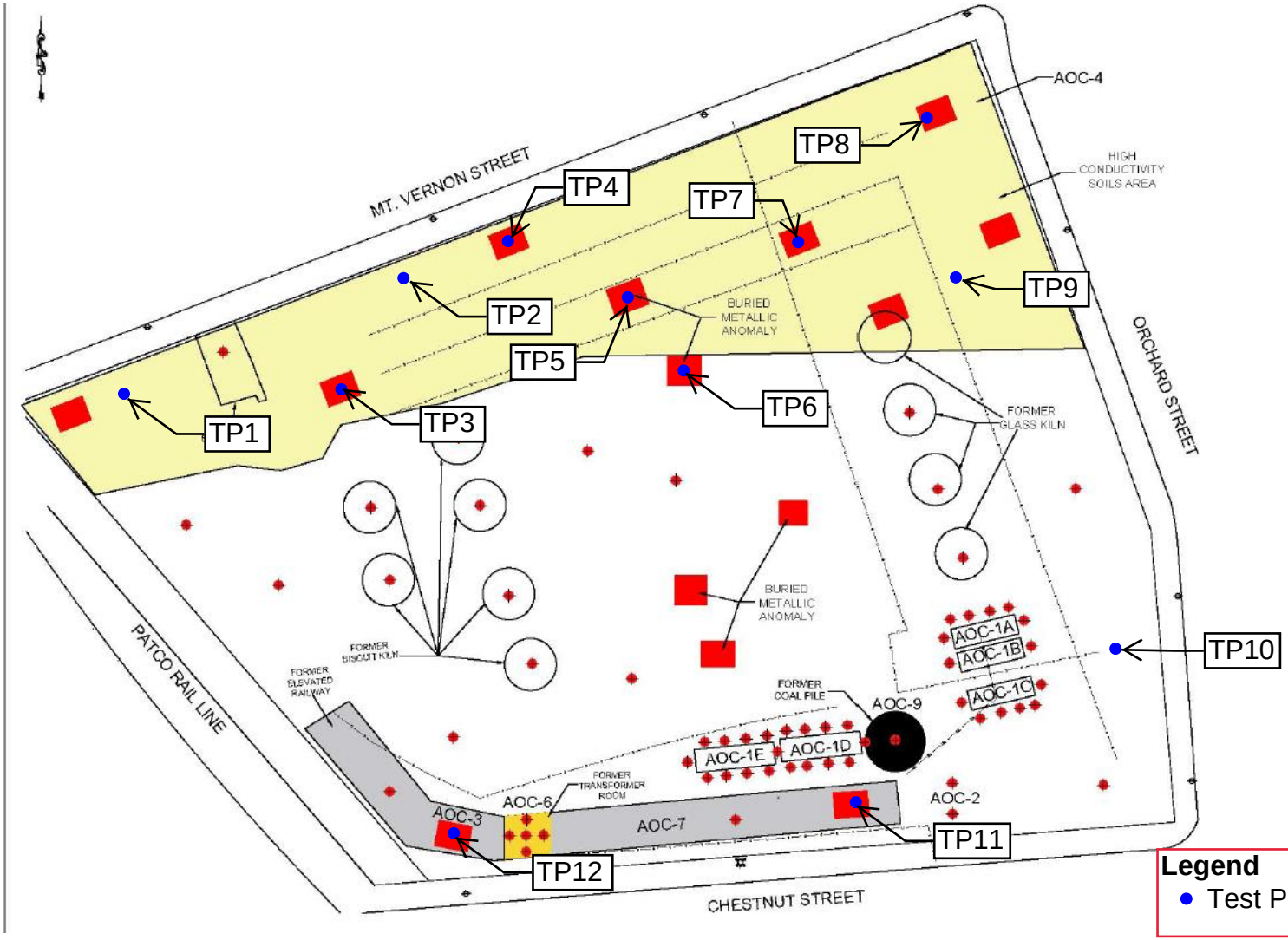

Figure 9.0

Test Pit Location Map (April 2021)

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

N

TTI Environmental, Inc.
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PROJECT	APP'D BY	
20-763	AB	

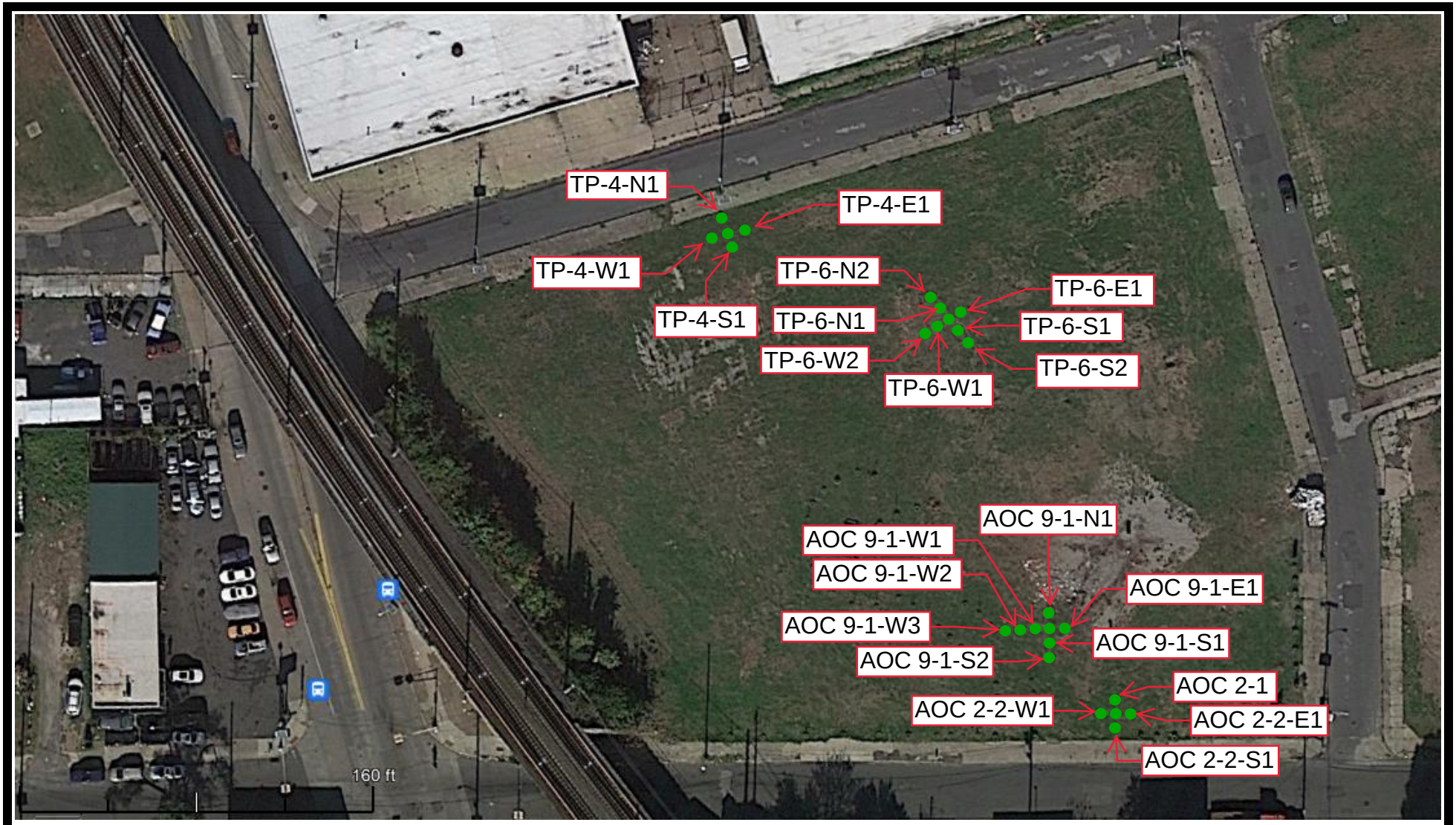

Figure 10.0

Delineation Soil Samples Location Map

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

N

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20-763	AB	

Figure 11.0

Well Map

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

N

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PROJECT	APP'D BY	
20-763	AB	

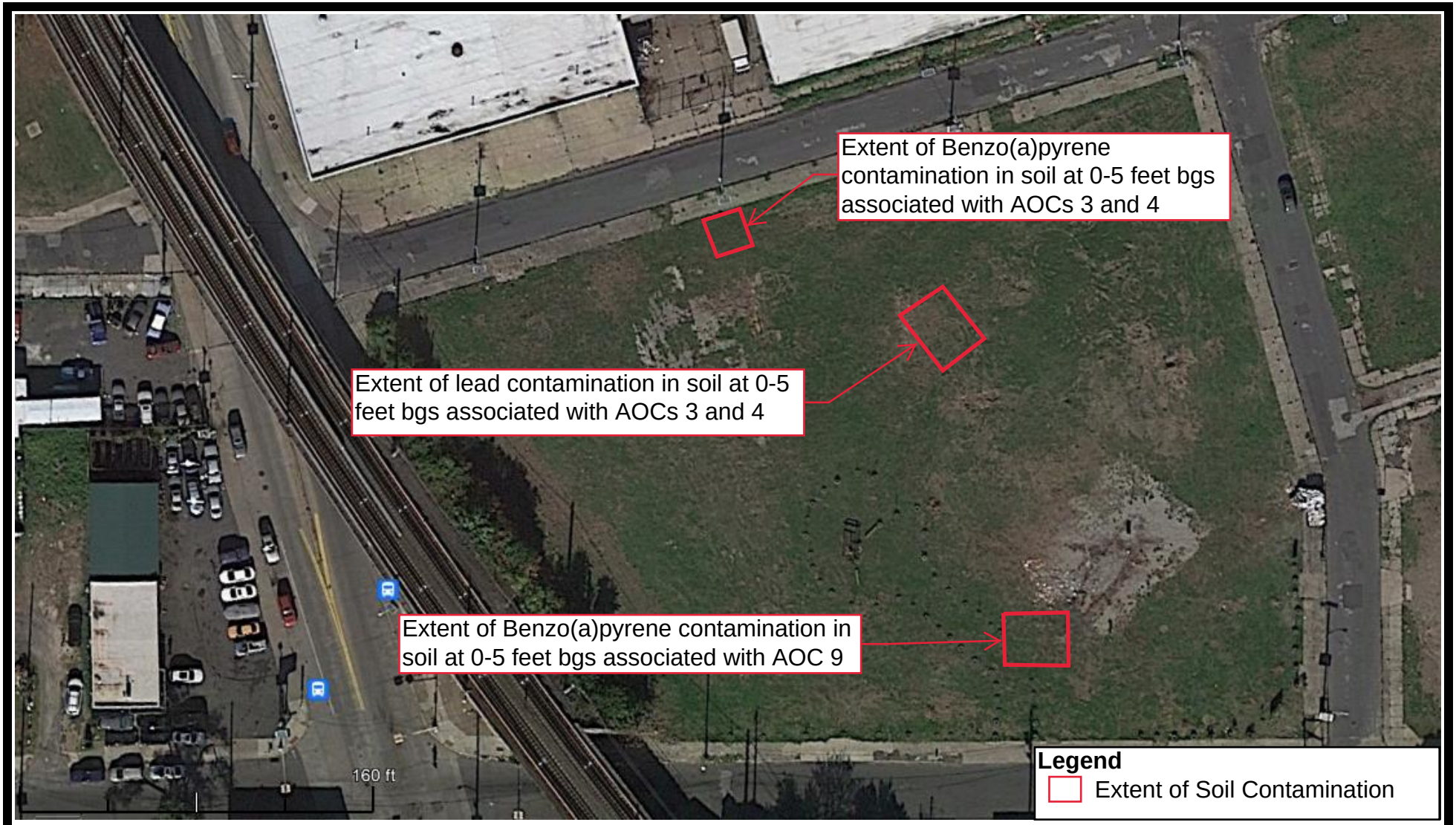

Figure 12.0

Contaminated Soils Map

Reliable Tire Co.
1115 Chestnut Street
Block 1302, Lot 1
Camden, Camden County, New Jersey 08103

N

TTI Environmental, Inc.
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SCALE	DRAWN BY	DATE
As Shown	TTI	3/2023
PROJECT	APP'D BY	
20-763	AB	

Appendix B: Tables

Table 1.0
AOCs 1A, 1B, and 1C Soil Sampling Results (April 26, 2021)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

Sample ID							AOC1-1 @ 12.0-12.5				AOC1-2 @ 12.0-12.5				AOC1-3 @ 13.0-13.5				AOC1-4 @ 11-11.5				AOC1-5 @ 12.0-12.5				AOC1-6 @ 12.0-12.5				AOC1-7 @ 12-12.5				AOC1-8 @ 12-12.5				AOC1-9 @ 12-12.5				AOC1-10 @ 12.0-12.5				AOC1-11 @11.5-12.0				AOC1-12 @ 11.5-12.0				AOC1-13 @ 12.0-12.5				AOC1-14 @ 13.0-13.5			
Method	Analyte	Migration to GW Soil Criterion	Soil Remediation Std Inhal NonRes	Soil Remediation Standard Ingestion-NON	Soil Remediation Standard Ingestion-RES	Soil Remediation Std Inhal Res	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
2540 G-2011	TOTAL SOLIDS						**85.5**	%	0.1		**87.6**	%	0.1		**91.5**	%	0.1		**88**	%	0.1		**92.3**	%	0.1		**89.9**	%	0.1		**97.1**	%	0.1		**96.6**	%	0.1		**93.9**	%	0.1		**95.2**	%	0.1		**96.3**	%	0.1		**96.4**	%	0.1		**94.8**	%	0.1		**89.4**	%	0.1	
8270E-SIM	ANTHRACENE	1300		250000	18000						ND	mg/kg	0.04	TB																																														
8270E-SIM	ACENAPHTHENE	82		50000	3600						ND	mg/kg	0.04	TB																																																
8270E-SIM	ACENAPHTHYLENE										ND	mg/kg	0.04	TB																																															
8270E-SIM	BENZO(A)ANTHRACENE	0.71	370000	23	5.1	78000					ND	mg/kg	0.04	TB																																													
8270E-SIM	BENZO(A)PYRENE		16000	2.3	0.51	3500					ND	mg/kg	0.04	TB																																													
8270E-SIM	BENZO(B)FLUORANTHENE	4.8	370000	23	5.1	78000					ND	mg/kg	0.04	TB																																													
8270E-SIM	BENZO(G,H,I)PERYLENE										ND	mg/kg	0.04	TB																																															
8270E-SIM	BENZO(K)FLUORANTHENE	53		230	51	780000					ND	mg/kg	0.04	TB																																															
8270E-SIM	CHRYSENE	36		2300	510						ND	mg/kg	0.04	TB																																															
8270E-SIM	DIBENZ(A,H)ANTHRACENE	23	37000	2.3	0.51	7800					ND	mg/kg	0.04	TB																																													
8270E-SIM	FLUORANTHENE	670		33000	2400						ND	mg/kg	0.04	TB																																														
8270E-SIM	FLUORENE	110		33000	2400						ND	mg/kg	0.04	TB																																														
8270E-SIM	INDENO(1,2,3-CD)PYRENE	16	370000	23	5.1	78000					ND	mg/kg	0.04	TB																																													
8270E-SIM	NAPHTHALENE	10	27	34000	2500	5.7					ND	mg/kg	0.04	TB																																														
8270E-SIM	PHENANTHRENE										ND	mg/kg	0.04	TB																																														
8270E-SIM	PYRENE	440		25000	1800						ND	mg/kg	0.04	TB																																														
SIDEP EPH	EPH SCREEN						ND	mg/kg	23.4		**423**	mg/kg	22.8		ND	mg/kg	21.8		ND	mg/kg	22.7		ND	mg/kg	21.7		ND	mg/kg	22.3		ND	mg/kg	20.5		ND	mg/kg	20.7		ND	mg/kg	23.3		ND	mg/kg	23		ND	mg/kg	20.8		ND	mg/kg	20.7		ND	mg/kg	21.1		ND	mg/kg	22.4	
NJDEP EPH	O-TERPHENYL						76.1	% Rec	20		75.7	% Rec	20		81.6	% Rec	20		78	% Rec	20		77.3	% Rec	20		76.3	% Rec	20		79.2	% Rec	20		84.5	% Rec	20		77.4	% Rec	20		77.5	% Rec	20		85.2	% Rec	20		77.8	% Rec	20		79.4	% Rec	20		84.2	% Rec	20	

Qualifiers: C3: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. **C3:** Analyzed from headspace vial. **J:** The identification of the analyte is acceptable; the reported value is an estimate. **J2:** Surrogate recovery limits have been exceeded; values are outside lower control limits. **J5:** The associated batch QC was outside the established quality control range for precision. **J6:** The associated batch QC was outside the established quality control range for accuracy. **Q:** Sample was prepared and/or analyzed past holding time as defined in the method. Concentration

Table 2.0
AOCs 1D and 1E Soil Sampling Results (April 26, 2021)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

Sample ID						
Method	Analyte	Migration to GW Soil Criterion	Soil Remediation Std Inhal NonRes	Soil Remediation Standard Ingestion-NON	Soil Remediation Standard Ingestion-RES	Soil Remediation Std Inhal Res
2540 G-2011	TOTAL SOLIDS					
8270E	2-METHYLNAPHTHALENE	3.1		3300	240	
8270E-SIM	ANTHRACENE	1300		250000	18000	
8270E-SIM	ACENAPHTHENE	82		50000	3600	
8270E-SIM	ACENAPHTHYLENE					
8270E-SIM	BENZO(A)ANTHRACENE	0.71	370000	23	5.1	78000
8270E-SIM	BENZO(A)PYRENE		16000	2.3	0.51	3500
8270E-SIM	BENZO(B)FLUORANTHENE	4.8	370000	23	5.1	78000
8270E-SIM	BENZO(G,H,I)PERYLENE					
8270E-SIM	BENZO(K)FLUORANTHENE	12		230	51	780000
8270E-SIM	CHRYSENE	36		2300	510	
8270E-SIM	DIBENZ(A,H)ANTHRACENE	23	37000	2.3	0.51	7800
8270E-SIM	FLUORANTHENE	670		33000	2400	
8270E-SIM	FLUORENE	110		33000	2400	
8270E-SIM	INDENO(1,2,3-CD)PYRENE	16	370000	23	5.1	78000
8270E-SIM	NAPHTHALENE	19	27	34000	2500	5.7
8270E-SIM	PHENANTHRENE					
8270E-SIM	PYRENE	440		25000	1800	
8270E-SIM	NITROBENZENE-D5					
8270E-SIM	2-FLUOROBIPHENYL					
8270E-SIM	P-TERPHENYL-D14					
NJDEP EPH	EPH SCREEN					
NJDEP EPH	O-TERPHENYL					

Sample ID	AOC1-15 @ 11.5-12.0				AOC1-16 @ 11.0-11.5				AOC1-17 @ 11.5-12.0				AOC1-18 @ 10.5-11.0				AOC1-19 @ 11.5-12.0			
Analyte	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
TOTAL SOLIDS	**96.9**	%	0.1		**96.6**	%	0.1		**92.4**	%	0.1		**88.3**	%	0.1		**95.9**	%	0.1	
2-METHYLNAPHTHALENE																				
ANTHRACENE																				
ACENAPHTHENE																				
ACENAPHTHYLENE																				
BENZO(A)ANTHRACENE																				
BENZO(A)PYRENE																				
BENZO(B)FLUORANTHENE																				
BENZO(G,H,I)PERYLENE																				
BENZO(K)FLUORANTHENE																				
CHRYSENE																				
DIBENZ(A,H)ANTHRACENE																				
FLUORANTHENE																				
FLUORENE																				
INDENO(1,2,3-CD)PYRENE																				
NAPHTHALENE																				
PHENANTHRENE																				
PYRENE																				
NITROBENZENE-D5																				
2-FLUOROBIPHENYL																				
P-TERPHENYL-D14																				
EPH SCREEN	ND	mg/kg	20.6		ND	mg/kg	20.7		**33.9**	mg/kg	21.6		ND	mg/kg	22.6		ND	mg/kg	20.9	
O-TERPHENYL	82.2	% Rec	20		81	% Rec	20		80.1	% Rec	20		67.1	% Rec	20		74.8	% Rec	20	

Sample ID	AOC1-20 @ 10.5-11.0				AOC1-21 @ 12.0-12.5				AOC1-22 @ 12.0-12.5				AOC1-23 @ 11.5-12.0				AOC1-24 @ 11.5-12.0			
Analyte	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
TOTAL SOLIDS	**81.6**	%	0.1		**97.2**	%	0.1		**95.6**	%	0.1		**84.5**	%	0.1		**94**	%	0.1	
2-METHYLNAPHTHALENE									ND	mg/kg	0.03									
ANTHRACENE									ND	mg/kg	0.04	T8								
ACENAPHTHENE									ND	mg/kg	0.04	T8								
ACENAPHTHYLENE									ND	mg/kg	0.04	T8								
BENZO(A)ANTHRACENE									ND	mg/kg	0.04	T8								
BENZO(A)PYRENE									ND	mg/kg	0.04	T8								
BENZO(B)FLUORANTHENE									ND	mg/kg	0.04	T8								
BENZO(G,H,I)PERYLENE									ND	mg/kg	0.04	T8								
BENZO(K)FLUORANTHENE									ND	mg/kg	0.04	T8								
CHRYSENE									ND	mg/kg	0.04	T8								
DIBENZ(A,H)ANTHRACENE									ND	mg/kg	0.04	T8								
FLUORANTHENE									ND	mg/kg	0.04	T8								
FLUORENE									ND	mg/kg	0.04	T8								
INDENO(1,2,3-CD)PYRENE									ND	mg/kg	0.04	T8								
NAPHTHALENE									ND	mg/kg	0.04	T8								
PHENANTHRENE									ND	mg/kg	0.04	T8								
PYRENE									ND	mg/kg	0.04	T8								
NITROBENZENE-D5									96.4	% Rec										
2-FLUOROBIPHENYL									78.5	% Rec										
P-TERPHENYL-D14									95.1	% Rec										
EPH SCREEN	ND	mg/kg	24.5		ND	mg/kg	20.6		**1120**	mg/kg	20.9		**234**	mg/kg	23.7		**207**	mg/kg	21.3	
O-TERPHENYL	71.5	% Rec	20		76.6	% Rec	20		70	% Rec	20		96.5	% Rec	20		74.1	% Rec	20	

Sample ID	AOC1-25 @ 10.5-11.0				AOC1-26 @ 10.5-11.0				AOC1-27 @ 10.5-11.0				AOC1-28 @ 11.5-12.0				AOC-1-29 @ 11.5-12.0			
Analyte	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
TOTAL SOLIDS	**95.4**	%	0.1		**95.9**	%	0.1		**90.1**	%	0.1		**83.5**	%	0.1		**88.8**	%	0.1	
2-METHYLNAPHTHALENE																				
ANTHRACENE																				
ACENAPHTHENE																				
ACENAPHTHYLENE																				
BENZO(A)ANTHRACENE																				
BENZO(A)PYRENE																				
BENZO(B)FLUORANTHENE																				
BENZO(G,H,I)PERYLENE																				
BENZO(K)FLUORANTHENE																				
CHRYSENE																				
DIBENZ(A,H)ANTHRACENE																				
FLUORANTHENE																				
FLUORENE																				
INDENO(1,2,3-CD)PYRENE																				
NAPHTHALENE																				
PHENANTHRENE																				
PYRENE																				
NITROBENZENE-D5																				
2-FLUOROBIPHENYL																				
P-TERPHENYL-D14																				
EPH SCREEN	ND	mg/kg	21		**158**	mg/kg	20.8		ND	mg/kg	22.2		ND	mg/kg	24		**17**	mg/kg	22.5	J
O-TERPHENYL	73.3	% Rec	20		71.4	% Rec	20		76.3	% Rec	20		78.2	% Rec	20		67.4	% Rec	20	

Sample ID	AOC-1-30 @ 11.5-12.0				AOC-1-31 @ 11.5-12.0				AOC-1-32 @ 12.5-13.0				AOC1-33 @ 12.0-12.5			
Analyte	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
TOTAL SOLIDS	**86.3**	%	0.1		**87.6**	%	0.1		**88.7**	%	0.1		**89.5**	%	0.1	
2-METHYLNAPHTHALENE																
ANTHRACENE																
ACENAPHTHENE																
ACENAPHTHYLENE																
BENZO(A)ANTHRACENE																
BENZO(A)PYRENE																
BENZO(B)FLUORANTHENE																
BENZO(G,H,I)PERYLENE																
BENZO(K)FLUORANTHENE																
CHRYSENE																
DIBENZ(A,H)ANTHRACENE																
FLUORANTHENE																
FLUORENE																
INDENO(1,2,3-CD)PYRENE																
NAPHTHALENE																
PHENANTHRENE																
PYRENE																
NITROBENZENE-D5																
2-FLUOROBIPHENYL																
P-TERPHENYL-D14																
EPH SCREEN	ND	mg/kg	23.2		ND	mg/kg	22.8		ND	mg/kg	22.6		ND	mg/kg	22.3	
O-TERPHENYL	74.4	% Rec	20		72.9	% Rec	20		74.2	% Rec	20		75.4	% Rec	20	

Qualifiers: C3: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable **G3:** Analyzed from headspace vial. **J:** The identification of the analyte is acceptable; the reported value is an estimate **J2:** Surrogate recovery limits have been exceeded; values are outside lower control limits **J3:** The associated batch QC was outside the established quality control range for precision. **J4:** The associated batch QC was outside the established quality control range for accuracy **Q:** Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.

Table 3.0
AOC 2 Soil Sampling Results (April 2021)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

Sample ID								AOC 2-1				AOC 2-2			
Method	Analyte	Migration to GW Soil Criterion	Soil Remediation Std Inhal NonRes	Soil Remediation Standard Ingestion-NON	Soil Remediation Standard Ingestion-RES	Soil Remediation Std Inhal Res	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
2540 G-2011	TOTAL SOLIDS						**87.7**	%	0.1		**85.5**	%	0.1	
4500CN E-2011	CYANIDE	20		780	47									
6010D	ALUMINUM				78000		**13400**	mg/kg	11.4		**5500**	mg/kg	11.7	
6010D	ANTIMONY	5.4		520	31		ND	mg/kg	2.28		ND	mg/kg	2.34	
6010D	ARSENIC	19	5200	19	19	1100	7.64	mg/kg	2.28		1.82	mg/kg	2.34	J
6010D	BARIUM	2100		260000	16000	870000	**29.5**	mg/kg	0.57		**37.2**	mg/kg	0.584	
6010D	BERYLLIUM	0.7	9300	2600	160	2000	**0.715**	mg/kg	0.228		**0.321**	mg/kg	0.234	
6010D	CADMIUM	1.9	12000	1100	71	2600	**0.0715**	mg/kg	0.57	J	ND	mg/kg	0.584	
6010D	CALCIUM						**971**	mg/kg	114		**3110**	mg/kg	117	
6010D	CHROMIUM						**20.4**	mg/kg	1.14		**11**	mg/kg	1.17	
6010D	COBALT	90	2500	390	23	520	**5.15**	mg/kg	1.14		**1.56**	mg/kg	1.17	
6010D	COPPER	910		52000	3100		**6.63**	mg/kg	2.28		**4.91**	mg/kg	2.34	
6010D	IRON				23000		**23600**	mg/kg	11.4		**6820**	mg/kg	11.7	
6010D	LEAD	90		800	400		**8.41**	mg/kg	0.57		**15.5**	mg/kg	0.584	
6010D	MAGNESIUM						**2040**	mg/kg	114		**1940**	mg/kg	117	
6010D	MANGANESE		400000	31000	1900	87000	**91.8**	mg/kg	1.14		**59.2**	mg/kg	1.17	
6010D	NICKEL	48	93000	26000	1600	20000	**10.2**	mg/kg	2.28		**4.24**	mg/kg	2.34	
6010D	POTASSIUM						**2410**	mg/kg	114		**868**	mg/kg	117	
6010D	SELENIUM	11		6500	390		**1.13**	mg/kg	2.28	J	ND	mg/kg	2.34	
6010D	SILVER	0.33		6500	390		ND	mg/kg	1.14		ND	mg/kg	1.17	
6010D	SODIUM						**125**	mg/kg	114	B	**113**	mg/kg	117	B J
6010D	THALLIUM						ND	mg/kg	2.28		ND	mg/kg	2.34	
6010D	VANADIUM		800000	6500	390	170000	**33.3**	mg/kg	2.28		**13**	mg/kg	2.34	
6010D	ZINC	930		390000	23000		**34.5**	mg/kg	5.7		**17.1**	mg/kg	5.84	
7471B	MERCURY	0.014		390	23	520000	ND	mg/kg	0.0456		0.596	mg/kg	0.0468	
8081B	ALDRIN	0.13		0.21	0.041		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	ALPHA BHC	0.0023		0.41	0.086		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	BETA BHC	0.0046		1.4	0.3		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	DELTA BHC						ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	GAMMA BHC	0.0035		2.8	0.57		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	CHLORDANE	1.4		1.4	0.27		ND	mg/kg	0.342		ND	mg/kg	0.351	
8081B	4,4-DDD	0.47		11	2.3		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	4,4-DDE	0.47		11	2		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	4,4-DDT	0.67		9.5	1.9		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	DIELDRIN	0.024		0.16	0.034		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	ENDOSULFAN I						ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	ENDOSULFAN II						ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	ENDOSULFAN SULFATE						ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	ENDRIN	1.6		270	19		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	ENDRIN ALDEHYDE						ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	ENDRIN KETONE						ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	HEXACHLOROBENZENE	0.005		2.3	0.43		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	HEPTACHLOR	0.083		0.81	0.15		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	HEPTACHLOR EPOXIDE	0.081		0.4	0.076		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	METHOXYCHLOR	43		4600	320		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8081B	TOXAPHENE	6.2		2.3	0.49		ND	mg/kg	0.456		ND	mg/kg	0.468	
8081B/8082A	DECACHLOROBIPHENYL						81.9 91.4	% Rec % Rec			67.2 68.7	% Rec % Rec		
8081B/8082A	TETRACHLORO-M-XYLENE						89.1 88.5	% Rec % Rec			71.5 73.3	% Rec % Rec		
8082 A	PCB 1016						ND	mg/kg	0.0388		ND	mg/kg	0.0397	
8082 A	PCB 1221						ND	mg/kg	0.0388		ND	mg/kg	0.0397	
8082 A	PCB 1232						ND	mg/kg	0.0388		ND	mg/kg	0.0397	
8082 A	PCB 1242						ND	mg/kg	0.0388		ND	mg/kg	0.0397	
8082 A	PCB 1248						ND	mg/kg	0.0194		ND	mg/kg	0.0199	
8082 A	PCB 1254						ND	mg/kg	0.0194		ND	mg/kg	0.0199	
8082 A	PCB 1260						ND	mg/kg	0.0194		ND	mg/kg	0.0199	
8082 A	TOTAL PCBS	1.6		1.1	0.25		ND	mg/kg	0.0194		ND	mg/kg	0.0199	
8260D	ACETONE	19			70000		**0.0314**	mg/kg	0.057	J	ND	mg/kg	0.0584	
8260D	BENZENE	0.0094	11	16	3		2.2	ND mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	BROMOCHLOROMETHANE						ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	BROMODICHLOROMETHANE	0.0045		58	11		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	BROMOFORM	0.018		460	88		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	BROMOMETHANE	0.043	82	1800	110	18	ND	mg/kg	0.0057		ND	mg/kg	0.0058	
8260D	CARBON DISULFIDE	3.7					ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	CARBON TETRACHLORIDE	0.0075	6.9	40	7.6	1.4	ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	CHLOROBENZENE	0.64		8400	510		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	CHLORODIBROMOMETHANE	0.0044		43	8.3		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	CHLOROETHANE						ND	mg/kg	0.0057		ND	mg/kg	0.0058	
8260D	CHLOROFORM	0.33		13000	780	590	ND	mg/kg	0.0057		ND	mg/kg	0.0058	
8260D	CHLOROMETHANE		1200			270	ND	mg/kg	0.0029		ND	mg/kg	0.0029	
8260D	CYCLOHEXANE						**0.00076**	mg/kg	0.0011	J	ND	mg/kg	0.0012	
8260D	1,2-DIBROMO-3-CHLOROPROPANE	0.00015	0.12	4.5	0.87	0.026	ND	mg/kg	0.0057		ND	mg/kg	0.0058	
8260D	1,2-DIBROMOETHANE	0.00014	0.41	1.8	0.35	0.083	ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	DICHLORODIBROMOMETHANE	38		26000	16000		ND	mg/kg	0.0057		ND	mg/kg	0.0058	
8260D	1,1-DICHLOROETHANE	0.24		640	120		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	1,2-DICHLOROETHANE	0.0095	320	30	5.8	71	ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	1,2-DICHLOROBENZENE	11		110000	6700		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	1,3-DICHLOROBENZENE	11		110000	6700		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	1,4-DICHLOROBENZENE	1.4		13000	780		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	1,1-DICHLOROETHENE	0.0069	240	180	11	52	ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	CIS-1,2-DICHLOROETHENE	0.35		13000	780		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	TRANS-1,2-DICHLOROETHENE	0.56		22000	1300		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	1,2-DICHLOROPROPANE	0.0058	27	98	19	5.7	ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	CIS-1,3-DICHLOROPROPENE						ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	TRANS-1,3-DICHLOROPROPENE						ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	ETHYLBENZENE	15	48	130000	7800	10	ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	2-HEXANONE	0.15		6500	390	1000	ND	mg/kg	0.0114		ND	mg/kg	0.0117	
8260D	ISOPROPYLBENZENE	22		130000	7800		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	2-BUTANONE (MEK)	0.98		780000	47000		ND	mg/kg	0.0114		ND	mg/kg	0.0117	
8260D	METHYL ACETATE	22			78000		ND	mg/kg	0.0228		ND	mg/kg	0.0234	
8260D	METHYL CYCLOHEXANE						**0.00155**	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	METHYLENE CHLORIDE	0.013		260	50	1400	ND	mg/kg	0.0057		ND	mg/kg	0.0058	
8260D	4-METHYL-2-PENTANONE (MIBK)						ND	mg/kg	0.0114		ND	mg/kg	0.0117	
8260D	METHYL TERT-BUTYL ETHER	0.25	650	13000	780	140	ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	STYRENE	2.1		260000	16000		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	1,1,2,2-TETRACHLOROETHANE	0.0069		18	3.5		ND	mg/kg	0.0011	C3	ND	mg/kg	0.0012	
8260D	TETRACHLOROETHENE	0.0098		1700	330	47	ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	TOLUENE	7.8		100000	6300		ND	mg/kg	0.0057		ND	mg/kg	0.0058	
8260D	1,2,3-TRICHLOROBENZENE						ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	1,2,4-TRICHLOROBENZENE	0.52		13000	780	94	ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	1,1,1-TRICHLOROETHANE	0.2			160000		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	1,1,2-TRICHLOROETHANE	0.017		64	12		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	TRICHLOROETHENE	0.0065	14	79	15		ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	TRICHLOROFLUOROMETHANE	29		390000	23000		ND	mg/kg	0.0057		ND	mg/kg	0.0058	
8260D	1,1,2-TRICHLOROTRIFLUOROETHANE	1300					ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	VINYL CHLORIDE	0.0067	6.4	5	0.97	1.4	ND	mg/kg	0.0011		ND	mg/kg	0.0012	
8260D	XYLENES, TOTAL	19		190000	12000		ND	mg/kg	0.0034		ND	mg/kg	0.0035	
8260D	TOLUENE-D8						112	% Rec			108	% Rec		
8260D	4-BROMOFLUOROBENZENE						103	% Rec			106	% Rec		
8260D	1,2-DICHLOROETHANE-D4						129	% Rec			121	% Rec		
8260D	NAPHTHALENE	19	27	34000	2500	5.7								
8260D	TERT-BUTYL ALCOHOL	0.32		23000	1400									
8270E	ACENAPHTHENE	82		50000	3600		**0.0278**	mg/kg	0.076	J J4	ND	mg/kg	0.0389	J4
8270E	ACENAPHTHYLENE						**0.0125**	mg/kg	0.076	J J4	ND	mg/kg	0.0389	J4
8270E	ACETOPHENONE	3.6		130000	7800		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	ANTHRACENE	1300		250000	18000		**0.0513**	mg/kg	0.076	J J4	ND	mg/kg	0.0389	J4
8270E	ATRAZINE	0.036		3200	220		ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	BENZALDEHYDE			910	170		ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	BENZO(A)ANTHRACENE	0.71	370000	23	5.1	78000	**0.203**	mg/kg	0.076	J4	**0.00816**	mg/kg	0.0389	J J4
8270E	BENZO(B)FLUORANTHENE	4.8	370000	23	5.1	78000	**0.244**	mg/kg	0.076	J4	**0.00969**	mg/kg	0.0389	J J4
8270E	BENZO(K)FLUORANTHENE	12		230	51	780000	**0.0791**	mg/kg	0.076	J4	ND	mg/kg	0.0389	J4
8270E	BENZO(G,H,I)PERYLENE						**0.0849**	mg/kg	0.076	J4	ND	mg/kg	0.0389	J4
8270E	BENZO(A)PYRENE		16000	2.3	0.51	3500	**0.173**	mg/kg	0.076	J4	ND	mg/kg	0.0389	J4
8270E	BIPHENYL	83		450	87		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	BIS(2-CHLOROETHOXY)METHANE			2700	190		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	BIS(2-CHLOROETHYL)ETHER	0.03		3.3	0.63		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	2,2-OXYBIS(1-CHLOROPROPANE)	1.9		52000	3100		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	4-BROMOPHENYL-PHENYLETHER						ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	CAPROLACTAM	16	1300	460000	32000	290	ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	CARBAZOLE						**0.0275**	mg/kg	0.76	J J4	ND	mg/kg	0.389	J4
8270E	4-CHLOROANILINE	0.23		13	2.7		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	2-CHLORONAPHTHALENE	61		67000	4800		ND	mg/kg	0.076	J4	ND	mg/kg	0.389	J4
8270E	4-CHLOROPHENYL-PHENYLETHER						ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	CHRYSENE	36		2300	510		**0.218**	mg/kg	0.076	J4	**0.00848**	mg/kg	0.0389	J J4
8270E	DIBENZ(A,H)ANTHRACENE	23	370000	2.3	0.51	7800	**0.0275**	mg/kg	0.076	J4	ND	mg/kg	0.0389	J4
8270E	DIBENZOFURAN						ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	3,3-DICHLOROBENZIDINE	3.9		5.7	1.2		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	2,4-DINITROTOLUENE						ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	2,6-DINITROTOLUENE						ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	FLUORANTHENE	670		33000	2400		**0.388**	mg/kg	0.076	J4	**0.0146**	mg/kg	0.0389	J J4
8270E	FLUORENE	110		33000	2400		**0.0265**	mg/kg	0.076	J J4	ND	mg/kg	0.0389	J4
8270E	HEXACHLOROBENZENE	0.005		2.3	0.43		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	HEXACHLORO-1,3-BUTADIENE	0.038		47	8.9		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	HEXACHLOROCYCLOPENTADIENE	2.5		7800	470	2.7	ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	HEXACHLOROETHANE	0.079		91	17		ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	INDENO(1,2,3-CD)PYRENE	16	370000	23	5.1	78000	**0.095**	mg/kg	0.076	J4	ND	mg/kg	0.0389	J4
8270E	ISOPHORONE	0.23		2700	570		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	2-METHYLNAPHTHALENE	3.1		3300	240		**0.0308**	mg/kg	0.076	J J4	ND	mg/kg	0.0389	J4
8270E	NAPHTHALENE	19	27	34000	2500	5.7	**0.0226**	mg/kg	0.076	J J4	ND	mg/kg	0.0389	J4
8270E	2-NITROANILINE						ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	3-NITROANILINE						ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	4-NITROANILINE			130	27		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	NITROBENZENE	0.073	36	2600	160	7.5	ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	N-NITROSODIPHENYLAMINE	1.1		520	110		ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	N-NITROSODI-N-PROPYLAMINE	0.14		0.36	0.17		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	PHENANTHRENE						**0.316**	mg/kg	0.076	J4	**0.00871**	mg/kg	0.0389	J J4
8270E	BENZYLBUTYL PHTHALATE	29		1300	290		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	BIS(2-ETHYLHEXYL)PHTHALATE	14		180	39		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	DI-N-BUTYL PHTHALATE	35		91000	6300		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	DIETHYL PHTHALATE	44		730000	51000		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	DIMETHYL PHTHALATE						ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	DI-N-OCTYL PHTHALATE	560		9100	630		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	PYRENE	440		25000	1800		**0.321**	mg/kg	0.076	J4	**0.0122**	mg/kg	0.0389	J J4
8270E	1,2,4,5-TETRACHLOROBENZENE			390	23		ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	4-CHLORO-3-METHYLPHENOL						ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	2-CHLOROPHENOL	0.76		6500	390		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	2-METHYLPHENOL	0.77		4600	320		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	3&4-METHYL PHENOL						ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	2,4-DICHLOROPHENOL	0.19		2700	190		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	2,4-DIMETHYLPHENOL	2.3		18000	1300		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	4,6-DINITRO-2-METHYLPHENOL						ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	2,4-DINITROPHENOL	0.12		1800	130		ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	2-NITROPHENOL						ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	4-NITROPHENOL						ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	PENTACHLOROPHENOL	0.062		4.4			ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	PHENOL	2.1		270000	19000	39000	ND	mg/kg	0.76		ND	mg/kg	0.389	
8270E	2,4,5-TRICHLOROPHENOL	68		91000	6300		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	2,4,6-TRICHLOROPHENOL	0.86		230	49		ND	mg/kg	0.76	J4	ND	mg/kg	0.389	J4
8270E	2-FLUOROPHENOL						69.1	% Rec			69.1	% Rec		
8270E	PHENOL-D5						65.9	% Rec			65.7	% Rec		
8270E	NITROBENZENE-D5						57.9	% Rec			54.3	% Rec		
8270E	2-FLUOROBIPHENYL						76.2	% Rec			75.9	% Rec		
8270E	2,4,6-TRIBROMOPHENOL						90.1	% Rec			93.4	% Rec		
8270E	P-TERPHENYL-D14						73.2	% Rec			74.4	% Rec		
9012B	CYANIDE	20		780	47		ND	mg/kg	0.285		ND	mg/kg	0.292	
2540 G-2011	TOTAL SOLIDS						**87.7**	%	0.1		**85.5**	%	0.1	
NJDEP EPH	EPH SCREEN						ND	mg/kg	22.8	TB	ND	mg/kg	23.4	TB
NJDEP EPH	O-TERPHENYL						93.9	% Rec	20		98.9	% Rec	20	

Qualifiers: B: The same analyte is found in the associated blank. **C3:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. **E5:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded

Table 4.0
AOCs 3 and 4 Soil Sampling Results (April 2021)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

Method	Analyte	Migration to GW Soil Criterion	Soil Remediation Std Inhal NonRes	Soil Remediation Standard Ingestion-NON	Soil Remediation Standard Ingestion-RES	Soil Remediation Std Inhal Res	TP 1 @ 4-4.5 Result	Units
2540 G-2011	TOTAL SOLIDS						**85.7**	%
4500CN E-2011	CYANIDE	20		780	47			
6010D	ALUMINUM				78000		**6840**	mg/kg
6010D	ANTIMONY	5.4		520	31		**1.41**	mg/kg
6010D	ARSENIC	19	5200	19	19	1100	13.5	mg/kg
6010D	BARIUM	2100		260000	16000	870000	**100**	mg/kg
6010D	BERYLLIUM	0.7	9300	2600	160	2000	**0.697**	mg/kg
6010D	CADMIUM	1.9	12000	1100	71	2600	**0.171**	mg/kg
6010D	CALCIUM						**4080**	mg/kg
6010D	CHROMIUM						**17.4**	mg/kg
6010D	COBALT	90	2500	390	23	520	**14.9**	mg/kg
6010D	COPPER	910		52000	3100		**17.3**	mg/kg
6010D	IRON						**17200**	mg/kg
6010D	LEAD	90		800	400		140	mg/kg
6010D	MAGNESIUM						**1540**	mg/kg
6010D	MANGANESE		400000	31000	1900	87000	**72.2**	mg/kg
6010D	NICKEL	48	93000	26000	1600	20000	**9.47**	mg/kg
6010D	POTASSIUM						**1330**	mg/kg
6010D	SELENIUM	11		6500	390		**1.59**	mg/kg
6010D	SILVER	0.33		6500	390		ND	mg/kg
6010D	SODIUM						**145**	mg/kg
6010D	THALLIUM						ND	mg/kg
6010D	VANADIUM		800000	6500	390	170000	**26.3**	mg/kg
6010D	ZINC	930		390000	23000		**446**	mg/kg
7471B	MERCURY	0.014		390	23	520000	0.143	mg/kg
8081B	ALDRIN	0.13		0.21	0.041		ND	mg/kg
8081B	ALPHA BHC	0.0023		0.41	0.086		ND	mg/kg
8081B	BETA BHC	0.0046		1.4	0.3		ND	mg/kg
8081B	DELTA BHC						ND	mg/kg
8081B	GAMMA BHC	0.0035		2.8	0.57		ND	mg/kg
8081B	CHLORDANE	1.4		1.4	0.27		ND	mg/kg
8081B	4,4-DDD	0.47		11	2.3		ND	mg/kg
8081B	4,4-DDE	0.47		11	2		ND	mg/kg
8081B	4,4-DDT	0.67		9.5	1.9		ND	mg/kg
8081B	DIELDRIN	0.024		0.16	0.034		ND	mg/kg
8081B	ENDOSULFAN I						ND	mg/kg
8081B	ENDOSULFAN II						ND	mg/kg
8081B	ENDOSULFAN SULFATE						ND	mg/kg
8081B	ENDRIN	1.6		270	19		ND	mg/kg
8081B	ENDRIN ALDEHYDE						ND	mg/kg
8081B	ENDRIN KETONE						ND	mg/kg
8081B	HEXACHLOROBENZENE	0.005		2.3	0.43		ND	mg/kg
8081B	HEPTACHLOR	0.083		0.81	0.15		ND	mg/kg
8081B	HEPTACHLOR EPOXIDE	0.081		0.4	0.076		ND	mg/kg
8081B	METHOXYCHLOR	43		4600	320		ND	mg/kg
8081B	TOXAPHENE	6.2		2.3	0.49		ND	mg/kg
8081B/8082A	DECACHLOROBIPHENYL						86.7 83.1	% Rec % Rec
8081B/8082A	TETRACHLORO-M-XYLENE						80.3 81.6	% Rec % Rec
8082 A	PCB 1016						ND	mg/kg
8082 A	PCB 1221						ND	mg/kg
8082 A	PCB 1232						ND	mg/kg
8082 A	PCB 1242						ND	mg/kg
8082 A	PCB 1248						ND	mg/kg
8082 A	PCB 1254						ND	mg/kg
8082 A	PCB 1260						ND	mg/kg
8082 A	TOTAL PCBS	1.6		1.1	0.25		ND	mg/kg
8260D	ACETONE	19			70000		ND	mg/kg
8260D	BENZENE	0.0094	11	16	3	2.2	ND	mg/kg
8260D	BROMOCHLOROMETHANE						ND	mg/kg
8260D	BROMODICHLOROMETHANE	0.0045		59	11		ND	mg/kg
8260D	BROMOFORM	0.018		460	88		ND	mg/kg
8260D	BROMOMETHANE	0.043	82	1800	110	18	ND	mg/kg
8260D	CARBON DISULFIDE	3.7					ND	mg/kg
8260D	CARBON TETRACHLORIDE	0.0075	6.9	40	7.6	1.4	ND	mg/kg
8260D	CHLOROBENZENE	0.64		8400	510		ND	mg/kg
8260D	CHLORODIBROMOMETHANE	0.0044		43	8.3		ND	mg/kg
8260D	CHLOROETHANE						ND	mg/kg
8260D	CHLOROFORM	0.33		13000	780	590	ND	mg/kg
8260D	CHLOROMETHANE		1200			270	ND	mg/kg
8260D	CYCLOHEXANE						ND	mg/kg
8260D	1,2-DIBROMO-3-CHLOROPROPANE	0.00015	0.12	4.5	0.87	0.026	ND	mg/kg
8260D	1,2-DIBROMOETHANE	0.00014	0.41	1.8	0.35	0.085	ND	mg/kg
8260D	DICHLORODIFLUOROMETHANE	38		260000	16000		ND	mg/kg
8260D	1,1-DICHLOROETHANE	0.24		640	120		ND	mg/kg
8260D	1,2-DICHLOROETHANE	0.0095	320	30	5.8	71	ND	mg/kg
8260D	1,2-DICHLOROBENZENE	11		110000	6700		ND	mg/kg
8260D	1,3-DICHLOROBENZENE	11		110000	6700		ND	mg/kg
8260D	1,4-DICHLOROBENZENE	1.4		13000	780		ND	mg/kg
8260D	1,1-DICHLOROETHENE	0.0069	240	180	11	52	ND	mg/kg
8260D	CIS-1,2-DICHLOROETHENE	0.35		13000	780		ND	mg/kg
8260D	TRANS-1,2-DICHLOROETHENE	0.56		22000	1300		ND	mg/kg
8260D	1,2-DICHLOROPROPANE	0.0058	27	98	19	5.7	ND	mg/kg
8260D	CIS-1,3-DICHLOROPROPENE						ND	mg/kg
8260D	TRANS-1,3-DICHLOROPROPENE						ND	mg/kg
8260D	ETHYLBENZENE	15	48	130000	7800	10	ND	mg/kg
8260D	2-HEXANONE	0.15		6500	390	1000	ND	mg/kg
8260D	ISOPROPYLBENZENE	22		130000	7800		ND	mg/kg
8260D	2-BUTANONE (MEK)	0.98		780000	47000		ND	mg/kg
8260D	METHYL ACETATE	22			78000		ND	mg/kg
8260D	METHYL CYCLOHEXANE						ND	mg/kg
8260D	METHYLENE CHLORIDE	0.013		260	50	1400	ND	mg/kg
8260D	4-METHYL-2-PENTANONE (MIBK)						ND	mg/kg
8260D	METHYL TERT-BUTYL ETHER	0.25	650	13000	780	140	ND	mg/kg
8260D	STYRENE	2.1		260000	16000		ND	mg/kg
8260D	1,1,2,2-TETRACHLOROETHANE	0.0069		18	3.5		ND	mg/kg
8260D	TETRACHLOROETHENE	0.0086		1700	330	47	ND	mg/kg
8260D	TOLUENE	7.8		100000	6300		ND	mg/kg
8260D	1,2,3-TRICHLOROBENZENE						ND	mg/kg
8260D	1,2,4-TRICHLOROBENZENE	0.52		13000	780	94	ND	mg/kg
8260D	1,1,1-TRICHLOROETHANE	0.2			160000		ND	mg/kg
8260D	1,1,2-TRICHLOROETHANE	0.017		64	12		ND	mg/kg
8260D	TRICHLOROETHENE	0.0065	14	79	15	3	ND	mg/kg
8260D	TRICHLOROFLUOROMETHANE	29		390000	23000		ND	mg/kg
8260D	1,1,2-TRICHLOROTRIFLUOROETHANE	1300					ND	mg/kg
8260D	VINYL CHLORIDE	0.0067	6.4	5	0.97	1.4	ND	mg/kg
8260D	XYLENES, TOTAL	19		190000	12000		ND	mg/kg
8260D	TOLUENE-D8						111	% Rec
8260D	4-BROMOFLUOROBENZENE						103	% Rec
8260D	1,2-DICHLOROETHANE-D4						119	% Rec
8270E	ACENAPHTHENE	82		50000	3600		**0.0113**	mg/kg
8270E	ACENAPHTHYLENE						**0.0148**	mg/kg
8270E	ACETOPHENONE	3.6		130000	7800		**0.0154**	mg/kg
8270E	ANTHRACENE	1300		250000	18000		**0.0573**	mg/kg
8270E	ATRAZINE	0.036		3200	220		ND	mg/kg
8270E	BENZALDEHYDE			910	170		ND	mg/kg
8270E	BENZO(A)ANTHRACENE	0.71	370000	23	5.1	78000	**0.317**	mg/kg
8270E	BENZO(B)FLUORANTHENE	4.8	370000	23	5.1	78000	**0.401**	mg/kg
8270E	BENZO(K)FLUORANTHENE	12		230	51	780000	**0.145**	mg/kg
8270E	BENZO(G,H,I)PERYLENE						**0.161**	mg/kg
8270E	BENZO(A)PYRENE		16000	2.3	0.51	3500	**0.278**	mg/kg
8270E	BIPHENYL	83		450	87		ND	mg/kg
8270E	BIS(2-CHLORETHOXY)METHANE			2700	190		ND	mg/kg
8270E	BIS(2-CHLOROETHYL)ETHER	0.03		3.3	0.63		ND	mg/kg
8270E	2,2-OXYBIS(1-CHLOROPROPANE)	1.9		52000	3100		ND	mg/kg
8270E	4-BROMOPHENYL-PHENYLETHER						ND	mg/kg
8270E	CAPROLACTAM	16	1300	460000	32000	290	ND	mg/kg
8270E	CARBAZOLE						**0.0399**	mg/kg
8270E	4-CHLOROANILINE	0.23		13	2.7		ND	mg/kg
8270E	2-CHLORONAPHTHALENE	61		67000	4800		ND	mg/kg
8270E	4-CHLOROPHENYL-PHENYLETHER						ND	mg/kg
8270E	CHRYSENE	36		2300	510		**0.384**	mg/kg
8270E	DIBENZ(A,H)ANTHRACENE	23	37000	2.3	0.51	7800	**0.0476**	mg/kg
8270E	DIBENZOFURAN						**0.0251**	mg/kg
8270E	3,3-DICHLOROBENZIDINE	3.9		5.7	1.2		ND	mg/kg
8270E	2,4-DINITROTOLUENE						ND	mg/kg
8270E	2,6-DINITROTOLUENE						ND	mg/kg
8270E	FLUORANTHENE	670		33000	2400		**0.596**	mg/kg
8270E	FLUORENE	110		33000	2400		**0.01**	mg/kg
8270E	HEXACHLOROBENZENE	0.005		2.3	0.43		ND	mg/kg
8270E	HEXACHLORO-1,3-BUTADIENE	0.038		47	8.9		ND	mg/kg
8270E	HEXACHLOROCYCLOPENTADIENE	2.5		7800	470	2.7	ND	mg/kg
8270E	HEXACHLOROETHANE	0.079		91	17		ND	mg/kg
8270E	INDENO(1,2,3-CD)PYRENE	16	370000	23	5.1	78000	**0.181**	mg/kg
8270E	ISOPHORONE	0.23		2700	570		ND	mg/kg
8270E	2-METHYLNAPHTHALENE	3.1		3300	240		**0.0228**	mg/kg
8270E	NAPHTHALENE	19	27	34000	2500	5.7	**0.0301**	mg/kg
8270E	2-NITROANILINE						ND	mg/kg
8270E	3-NITROANILINE						ND	mg/kg
8270E	4-NITROANILINE			130	27		ND	mg/kg
8270E	NITROBENZENE	0.073	36	2600	160	7.5	ND	mg/kg
8270E	N-NITROSODIPHENYLAMINE	1.1		520	110		ND	mg/kg
8270E	N-NITROSODI-N-PROPYLAMINE	0.14		0.36	0.17		ND	mg/kg
8270E	PHENANTHRENE						**0.365**	mg/kg
8270E	BENZYLBUTYL PHTHALATE	29		1300	290		ND	mg/kg
8270E	BIS(2-ETHYLHEXYL)PHTHALATE	14		180	39		ND	mg/kg
8270E	DI-N-BUTYL PHTHALATE	35		91000	6300		ND	mg/kg
8270E	DIETHYL PHTHALATE	44		730000	51000		ND	mg/kg
8270E	DIMETHYL PHTHALATE						ND	mg/kg
8270E	DI-N-OCTYL PHTHALATE	560		9100	630		ND	mg/kg
8270E	PYRENE	440		25000	1800		**0.496**	mg/kg
8270E	1,2,4,5-TETRACHLOROBENZENE			390	23		ND	mg/kg
8270E	4-CHLORO-3-METHYLPHENOL						ND	mg/kg
8270E	2-CHLOROPHENOL	0.76		6500	390		ND	mg/kg
8270E	2-METHYLPHENOL	0.77		4600	320		ND	mg/kg
8270E	3&4-METHYL PHENOL						ND	mg/kg
8270E	2,4-DICHLOROPHENOL	0.19		2700	190		ND	mg/kg
8270E	2,4-DIMETHYLPHENOL	2.3		18000	1300		ND	mg/kg
8270E	4,6-DINITRO-2-METHYLPHENOL						ND	mg/kg
8270E	2,4-DINITROPHENOL	0.12		1800	130		ND	mg/kg
8270E	2-NITROPHENOL						ND	mg/kg
8270E	4-NITROPHENOL						ND	mg/kg
8270E	PENTACHLOROPHENOL	0.062		4.4	1		ND	mg/kg
8270E	PHENOL	21		270000	19000	39000	ND	mg/kg
8270E	2,4,5-TRICHLOROPHENOL	68		91000	6300		ND	mg/kg
8270E	2,4,6-TRICHLOROPHENOL	0.86		230	49		ND	mg/kg
8270E	2-FLUOROPHENOL						58.9	% Rec
8270E	PHENOL-D5						55.2	% Rec
8270E	NITROBENZENE-D5						49.1	% Rec
8270E	2-FLUOROBIPHENYL						64.1	% Rec
8270E	2,4,6-TRIBROMOPHENOL						79.6	% Rec
8270E	P-TERPHENYL-D14						64.7	% Rec
9012B	CYANIDE	20		780	47		ND	mg/kg
2540 G-2011	TOTAL SOLIDS						**85.7**	%
NJDEP EPH	EPH SCREEN						**65.8**	mg/kg
NJDEP EPH	O-TERPHENYL						85	% Rec

Qualifiers: B: The same analyte is found in the associated blank. **C3:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. **C5:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result. **J:** The identification of the analyte is acceptable; the reported value is an estimate. **J1:** Surrogate recovery limits have been exceeded; values are outside upper control limits. **J2:** Surrogate recovery limits have been exceeded; values are outside lower control limits. **J3:** The associated batch QC was outside the established quality control range for precision. **J4:** The associated batch QC was outside the established quality control range for accuracy. **J5:** The sample matrix interfered with the ability to make any accurate determination; spike value is high. **J6:** The sample matrix interfered with the ability to make any accurate determination; spike value is low. **O1:** The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. **P:** RPD between the primary and confirmatory analysis exceeded 40%. **V:** The sample concentration is too high to evaluate accurate spike recoveries.

Table 5.0
AOC 6 Soil Sampling Results (April 2021)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

Client Sample ID							AOC6-1 @ 10.5-11.0				AOC6-2 @ 11.0-11.5				AOC6-3 @ 11.5-12.0				AOC6-4 @ 11.5-12.0			
Method	Analyte	Migration to GW Soil Criterion	Soil Remediation Std Inhal NonRes	Soil Remediation Standard Ingestion-NON	Soil Remediation Standard Ingestion-RES	Soil Remediation Std Inhal Res	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
2540 G-2011	TOTAL SOLIDS						**87.3**	%	0.1		**84**	%	0.1		**83.5**	%	0.1		**85**	%	0.1	
8270E	ANTHRACENE	1300		250000	18000														**0.09**	mg/kg	0.04	T8
8270E	ACENAPHTHENE	82		50000	3600														**0.091**	mg/kg	0.04	T8
8270E	ACENAPHTHYLENE																		ND	mg/kg	0.04	T8
8270E	BENZO(A)ANTHRACENE	0.71	370000	23	5.1														**0.097**	mg/kg	0.04	T8
8270E	BENZO(A)PYRENE		16000	2.3	0.51														**0.065**	mg/kg	0.04	T8
8270E	BENZO(B)FLUORANTHENE	4.8	370000	23	5.1														**0.084**	mg/kg	0.04	T8
8270E	BENZO(G,H,I)PERYLENE																		**0.032**	mg/kg	0.04	J T8
8270E	BENZO(K)FLUORANTHENE	12		230	51														**0.025**	mg/kg	0.04	J T8
8270E	CHRYSENE	36		2300	510														**0.109**	mg/kg	0.04	T8
8270E	DIBENZ(A,H)ANTHRACENE	23	37000	2.3	0.51														ND	mg/kg	0.04	T8
8270E	FLUORANTHENE	670		33000	2400														**0.195**	mg/kg	0.04	T8
8270E	FLUORENE	110		33000	2400														**0.055**	mg/kg	0.04	T8
8270E	INDENO(1,2,3-CD)PYRENE	16	370000	23	5.1														**0.037**	mg/kg	0.04	J T8
8270E	NAPHTHALENE	19	27	34000	2500														ND	mg/kg	0.04	T8
8270E	PHENANTHRENE																		**0.376**	mg/kg	0.04	T8
8270E	PYRENE	440		25000	1800														**0.254**	mg/kg	0.04	T8
8270E	NITROBENZENE-D5																		89.4	% Rec		
8270E	2-FLUOROBIPHENYL																		82.7	% Rec		
8270E	P-TERPHENYL-D14																		93.6	% Rec		
8082 A	PCB 1016						ND	mg/kg	0.039		ND	mg/kg	0.041		ND	mg/kg	0.041		ND	mg/kg	0.04	
8082 A	PCB 1221						ND	mg/kg	0.039		ND	mg/kg	0.041		ND	mg/kg	0.041		ND	mg/kg	0.04	
8082 A	PCB 1232						ND	mg/kg	0.039		ND	mg/kg	0.041		ND	mg/kg	0.041		ND	mg/kg	0.04	
8082 A	PCB 1242						ND	mg/kg	0.039		ND	mg/kg	0.041		ND	mg/kg	0.041		ND	mg/kg	0.04	
8082 A	PCB 1248						ND	mg/kg	0.02		ND	mg/kg	0.02		ND	mg/kg	0.02		ND	mg/kg	0.02	
8082 A	PCB 1254						ND	mg/kg	0.02		ND	mg/kg	0.02		ND	mg/kg	0.02		ND	mg/kg	0.02	
8082 A	PCB 1260						ND	mg/kg	0.02		ND	mg/kg	0.02		ND	mg/kg	0.02		ND	mg/kg	0.02	
8082 A	TOTAL PCBS	1.6		1.1	0.25		ND	mg/kg	0.02		ND	mg/kg	0.02		ND	mg/kg	0.02		ND	mg/kg	0.02	
8082 A	DECACHLOROBIPHENYL						308	% Rec		J1	92.5	% Rec			116	% Rec			101	% Rec		
8082 A	TETRACHLORO-M-XYLENE						86.4	% Rec			79	% Rec			86.7	% Rec			83.3	% Rec		
NJDEP EPH	EPH SCREEN						**10.9**	mg/kg	22.9	J	**15.6**	mg/kg	23.8	J	**11.1**	mg/kg	23.9	J	**128**	mg/kg	23.5	J6
NJDEP EPH	O-TERPHENYL						77.1	% Rec	20		61.5	% Rec	20		68.4	% Rec	20		65.6	% Rec	20	

Qualifiers: B: The same analyte is found in the associated blank. **C3:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. **J:** The identification of the analyte is acceptable; the reported value is an estimate. **J1:** Surrogate recovery limits have been exceeded; values are outside upper control limits. **J2:** Surrogate recovery limits have been exceeded; values are outside lower control limits.**J3:** The associated batch QC was outside the established quality control range for precision. **J4:** The associated batch QC was outside the established quality control range for accuracy **J5:** The sample matrix interfered with the ability to make any accurate determination; spike value is high **J6:** The sample matrix interfered with the ability to make any accurate determination; spike value is low**O1:** The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. **T8:** Sample(s) received past/too close to holding time expiration. **V:** The sample concentration is too high to evaluate accurate spike recoveries.

Table 6.0
AOC 7 Soil Sampling Results (Apr# 2021)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

Sample ID							AOC7-2 @ 12.0-12.5				TP 11 @ 1.5-2				TP 12 @ 0.5-1			
Method	Analyte	Migration to GW Soil Criterion	Soil Remediation Std Inhal NonRes	Soil Remediation Standard Ingestion-NON	Soil Remediation Standard Ingestion-RES	Soil Remediation Std Inhal Res	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
2540 G-2011	TOTAL SOLIDS						**83.6**	%	0.1		**79.7**	%	0.1		**88.5**	%	0.1	
4500CN E-2011	CYANIDE	20		786	47													
6010D	ALUMINUM				78000		**1180**	mg/kg	12		**15400**	mg/kg	12.6		**14300**	mg/kg	11.3	
6010D	ANTIMONY	5.4		520	31		ND	mg/kg	2.39		**2.7**	mg/kg	2.51		**2.14**	mg/kg	2.26	J
6010D	ARSENIC	19	5200	19	19	1100	**0.983**	mg/kg	2.39	J	11.4	mg/kg	2.51		9.75	mg/kg	2.26	
6010D	BARIUM	2100		260000	16000	870000	5.76	mg/kg	0.598		**68.6**	mg/kg	0.628		51.1	mg/kg	0.565	
6010D	BERYLLIUM	0.7	9300	2600	160	2000	**0.288**	mg/kg	0.239		1.1	mg/kg	0.251		1.05	mg/kg	0.226	
6010D	CADMIUM	1.9	12000	1100	71	2600	**0.232**	mg/kg	0.598	J	ND	mg/kg	0.628		ND	mg/kg	0.565	
6010D	CALCIUM						**106**	mg/kg	120	J	**5160**	mg/kg	126		**3480**	mg/kg	113	
6010D	CHROMIUM						**3.79**	mg/kg	1.2		**34.1**	mg/kg	1.26		**34.7**	mg/kg	1.13	
6010D	COBALT	90	2500	390	23	520	**0.544**	mg/kg	1.2	J	**11.8**	mg/kg	1.26		**6.54**	mg/kg	1.13	
6010D	COPPER	910		52000	3100		**1.36**	mg/kg	2.39	J	**19.7**	mg/kg	2.51		**14.2**	mg/kg	2.26	
6010D	IRON						**3980**	mg/kg	12		**43400**	mg/kg	12.6		**41000**	mg/kg	11.3	
6010D	LEAD	90		800	400		**1.22**	mg/kg	0.598		1.29	mg/kg	0.628		1.15	mg/kg	0.565	
6010D	MAGNESIUM						**107**	mg/kg	120	J	**2730**	mg/kg	126		**2390**	mg/kg	113	
6010D	MANGANESE		400000	31000	1900	87000	**5.81**	mg/kg	1.2		**148**	mg/kg	1.26		**121**	mg/kg	1.13	
6010D	NICKEL	48	93000	26000	1600	20000	**0.998**	mg/kg	2.39	J	**16.2**	mg/kg	2.51		**10.6**	mg/kg	2.26	
6010D	POTASSIUM						**213**	mg/kg	120		**4220**	mg/kg	126		**3650**	mg/kg	113	
6010D	SELENIUM	11		6500	390		ND	mg/kg	2.39		**1.97**	mg/kg	2.51	J	**2.13**	mg/kg	2.26	J
6010D	SILVER	0.33		6500	390		ND	mg/kg	1.2		ND	mg/kg	1.26		ND	mg/kg	1.13	
6010D	SODIUM						ND	mg/kg	120		**154**	mg/kg	126		**134**	mg/kg	113	
6010D	THALLIUM						ND	mg/kg	2.39		ND	mg/kg	2.51		ND	mg/kg	2.26	
6010D	VANADIUM		800000	6500	390	170000	**4.45**	mg/kg	2.39		**36.6**	mg/kg	2.51		**39.4**	mg/kg	2.26	
6010D	ZINC	930		390000	23000		**3.59**	mg/kg	5.98	J	**89.4**	mg/kg	6.28		**79**	mg/kg	5.65	
7470A	MERCURY	0.014		390	23	520000												
7471B	MERCURY	0.014		390	23	520000	ND	mg/kg	0.048		0.194	mg/kg	0.0502		1.03	mg/kg	0.0452	
8081B	ALDRIN	0.13		0.21	0.041						ND	mg/kg	0.0251		ND	mg/kg	0.0236	
8081B	ALPHA BHC	0.0023		0.41	0.086						ND	mg/kg	0.0251		ND	mg/kg	0.0236	
8081B	BETA BHC	0.0046		1.4	0.3						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	DELTA BHC										ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	GAMMA BHC	0.0035		2.8	0.57						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	CHLORDANE	1.4		1.4	0.27						ND	mg/kg	0.377		ND	mg/kg	0.338	
8081B	4,4-DDD	0.47		11	2.3						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	4,4-DDE	0.47		11	2						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	4,4-DDT	0.67		9.5	1.9						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	DIELDRIN	0.024		0.16	0.034						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	ENDOSULFAN I										ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	ENDOSULFAN II										ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	ENDOSULFAN SULFATE										ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	ENDRIN	1.6		270	19						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	ENDRIN ALDEHYDE										ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	ENDRIN KETONE										ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	HEXACHLOROBENZENE	0.005		2.3	0.43						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	HEPTACHLOR	0.083		0.81	0.15						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	HEPTACHLOR EPOXIDE	0.083		0.4	0.076						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	METHOXYCHLOR	43		4600	320						ND	mg/kg	0.0251		ND	mg/kg	0.0226	
8081B	TOXAPHENE	6.2		2.3	0.49						ND	mg/kg	0.502		ND	mg/kg	0.452	
8081B/8082A	DECACHLOROBIPHENYL										55.6 101	Rec			165 88.7	Rec		H
8081B/8082A	TETRACHLORO-M-XYLENE										54.9 66.7	% Rec % Rec			73.8 54.0	% Rec % Rec		
8082 A	PCB 1016						ND	mg/kg	0.041		ND	mg/kg	0.0427		ND	mg/kg	0.0384	
8082 A	PCB 1221						ND	mg/kg	0.041		ND	mg/kg	0.0427		ND	mg/kg	0.0384	
8082 A	PCB 1232						ND	mg/kg	0.041		ND	mg/kg	0.0427		ND	mg/kg	0.0384	
8082 A	PCB 1242						ND	mg/kg	0.041		ND	mg/kg	0.0427		ND	mg/kg	0.0384	
8082 A	PCB 1248						ND	mg/kg	0.02		ND	mg/kg	0.0213		ND	mg/kg	0.0192	
8082 A	PCB 1254						ND	mg/kg	0.02		ND	mg/kg	0.0213		**0.00843**	mg/kg	0.0192	J P
8082 A	PCB 1260						ND	mg/kg	0.02		ND	mg/kg	0.0213		ND	mg/kg	0.0192	
8082 A	TOTAL PCBS	1.8		1.1	0.25		ND	mg/kg	0.02		ND	mg/kg	0.0213		**0.00843**	mg/kg	0.0192	J P
8082 A	DECACHLOROBIPHENYL						95.2	% Rec										
8082 A	TETRACHLORO-M-XYLENE						93.7	% Rec										
8260D	ACETONE	19			70000						**0.091**	mg/kg	0.0628	CS J4	**0.0433**	mg/kg	0.0633	CS J J4
8260D	BENZENE	0.0094	11	16	3	2.2					**0.00182**	mg/kg	0.00126		**0.000684**	mg/kg	0.00127	J
8260D	BROMOCHLOROMETHANE										ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	BROMODICHLOROMETHANE	0.0045		59	11						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	BROMOFORM	0.018		460	88						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	BROMOMETHANE	0.043	82	1800	110	18					ND	mg/kg	0.00628		ND	mg/kg	0.00633	
8260D	CARBON DISULFIDE	3.7									ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	CARBON TETRACHLORIDE	0.0073	6.9	40	7.6	1.4					ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	CHLOROBENZENE	0.64		8400	510						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	CHLORODIBROMOMETHANE	0.0044		43	8.3						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	CHLOROETHANE										ND	mg/kg	0.00628		ND	mg/kg	0.00633	
8260D	CHLOROFORM	0.33		13000	780	590					ND	mg/kg	0.00628		ND	mg/kg	0.00633	
8260D	CHLOROMETHANE		1200			270					ND	mg/kg	0.00314		ND	mg/kg	0.00316	
8260D	CYCLOHEXANE										ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,2-DIBROMO-3-CHLOROPROPANE	0.00015	0.12	4.5	0.87	0.026					ND	mg/kg	0.00628		ND	mg/kg	0.00633	
8260D	1,2-DIBROMOETHANE	0.00014	0.41	1.8	0.35	0.085					ND	mg/kg	0.00136		ND	mg/kg	0.00127	
8260D	DICHLORODIFLUOROMETHANE	38		260000	16000						ND	mg/kg	0.00628		ND	mg/kg	0.00633	
8260D	1,1-DICHLOROETHANE	0.24		640	120						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,2-DICHLOROETHANE	0.0095	320	30	5.8	71					ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,2-DICHLOROBENZENE	11		110000	6700						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,3-DICHLOROBENZENE	11		110000	6700						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,4-DICHLOROBENZENE	1.4		13000	780						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,1-DICHLOROETHENE	0.0069	240	184	11	52					ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	CIS-1,2-DICHLOROETHENE	0.35		13000	780						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	TRANS-1,2-DICHLOROETHENE	0.58		22000	1300						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,2-DICHLOROPROPANE	0.0058	27	98	19	5.7					ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	CIS-1,3-DICHLOROPROPENE										ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	TRANS-1,3-DICHLOROPROPENE										ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	ETHYLBENZENE	15	48	130000	7800	10					ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	2-HEXANONE	0.15		6500	390	1000					ND	mg/kg	0.0126		ND	mg/kg	0.0127	
8260D	ISOPROPYLBENZENE	22		130000	7800						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	2-BUTANONE (MEK)	0.98		780000	47000						**0.00646**	mg/kg	0.0126	J	ND	mg/kg	0.0127	
8260D	METHYL ACETATE	22			78000						**0.0129**	mg/kg	0.0251	J	ND	mg/kg	0.0253	
8260D	METHYL CYCLOHEXANE										**0.00138**	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	METHYLENE CHLORIDE	0.013		260	50	1400					ND	mg/kg	0.00628		ND	mg/kg	0.00633	
8260D	4-METHYL-2-PENTANONE (MIBK)										ND	mg/kg	0.0126		ND	mg/kg	0.0127	
8260D	METHYL TERT-BUTYL ETHER	0.25	650	13000	780	140					ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	STYRENE	2.1		260000	16000						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,1,2,2-TETRACHLOROETHANE	0.0069		18	3.5						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	TETRACHLOROETHENE	0.0086		1700	330	47					ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	TOLUENE	7.8		100000	6300						**0.00374**	mg/kg	0.00638	J	ND	mg/kg	0.00633	
8260D	1,2,3-TRICHLOROBENZENE										ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,2,4-TRICHLOROBENZENE	0.52		13000	780	94					ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,1,1-TRICHLOROETHANE	0.2			160000						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	1,1,2-TRICHLOROETHANE	0.017		64	12						ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	TRICHLOROETHENE	0.0065	14	75	15	3					ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	TRICHLOROFLUOROMETHANE	29		390000	23000						ND	mg/kg	0.00628		ND	mg/kg	0.00633	
8260D	1,1,2-TRICHLOROTRIFLUOROETHANE	1300									ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	VINYL CHLORIDE	0.0067	6.4	5	0.97	1.4					ND	mg/kg	0.00126		ND	mg/kg	0.00127	
8260D	XYLENES, TOTAL	19		190000	12000						**0.000788**	mg/kg	0.00377	B J	**0.00102**	mg/kg	0.0038	B J
8260D	TOLUENE-D8										105	% Rec			107	% Rec		
8260D	4-BROMOFLUOROBENZENE										106	% Rec			108	% Rec		
8260D	1,2-DICHLOROETHANE-D4										119	% Rec			117	% Rec		
8260D	NAPHTHALENE	19	27	34000	2500	5.7												
8260D	TERT-BUTYL ALCOHOL	0.32		23000	1400													
8270E	ANTHRACENE	1300		250000	18000		ND	mg/kg	0.04		ND	mg/kg	0.0418	J4	**0.0752**	mg/kg	0.376	J J4
8270E	ACENAPHTHENE	82		50000	3600		ND	mg/kg	0.04		**0.0103**	mg/kg	0.0418	J J4	ND	mg/kg	0.376	J4
8270E	ACENAPHTHYLENE						ND	mg/kg	0.04		ND	mg/kg	0.0418	J4	ND	mg/kg	0.376	J4
8270E	BENZO(A)ANTHRACENE	0.71	370000	23	5.1	78000	ND	mg/kg	0.04		**0.042**	mg/kg	0.0418	J4	**0.391**	mg/kg	0.376	J4
8270E	BENZO(A)PYRENE		16000	2.3	0.51	3500	ND	mg/kg	0.04		**0.055**	mg/kg	0.0418	J4	**0.373**	mg/kg	0.376	J J4
8270E	BENZO(B)FLUORANTHENE	4.8	370000	23	5.1	78000	ND	mg/kg	0.04		**0.0711**	mg/kg	0.0418	J4	**0.536**	mg/kg	0.376	J4
8270E	BENZO(G,H,I)PERYLENE						ND	mg/kg	0.04		**0.0326**	mg/kg	0.0418	J J4	**0.162**	mg/kg	0.376	J J4
8270E	BENZO(K)FLUORANTHENE	12		230	51	78000	ND	mg/kg	0.04		**0.03**	mg/kg	0.0418	J4	**0.212**	mg/kg	0.376	J J4
8270E	CHRYSENE	36		2300	510		ND	mg/kg	0.04		**0.0458**	mg/kg	0.0418	J4	**0.391**	mg/kg	0.376	J4
8270E	DIBENZ(A,H)ANTHRACENE	23	37000	2.3	0.51	7800	ND	mg/kg	0.04		ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	FLUORANTHENE	670		33000	2400		ND	mg/kg	0.04		**0.0472**	mg/kg	0.0418	J4	**0.741**	mg/kg	0.376	J4
8270E	FLUORENE	110		33000	2400		ND	mg/kg	0.04		ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	INDENO(1,2,3-CD)PYRENE	16	370000	23	5.1	78000	ND	mg/kg	0.04		**0.0372**	mg/kg	0.0418	J J4	**0.175**	mg/kg	0.376	J J4
8270E	NAPHTHALENE	19	27	34000	2500	5.7	ND	mg/kg	0.04		ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	PHENANTHRENE						ND	mg/kg	0.04		**0.00918**	mg/kg	0.0418	J J4	**0.374**	mg/kg	0.376	J J4
8270E	PYRENE	440		25000	1800		ND	mg/kg	0.04		**0.0427**	mg/kg	0.0418	J4	**0.628**	mg/kg	0.376	J4
8270E	NITROBENZENE-D5						80.3	% Rec			ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2-FLUOROBIPHENYL						95.3	% Rec			ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	P-TERPHENYL-D14						130	% Rec		J1	ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	ACETOPHENONE	3.6		130000	7800						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	ATRAZINE	0.036		3200	220						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	BENZALDEHYDE			910	170						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	BIPHENYL	83		450	87						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	BIS(2-CHLOROTHOXY)METHANE			2700	190						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	BIS(2-CHLOROETHYL)ETHER	0.03		3.3	0.63						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2,2-OXYBIS(1-CHLOROPROPANE)	1.9		52000	3100						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	4-BROMOPHENYL-PHENYLETHER										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	CAPROLACTAM	16	1300	460000	32000	290					ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	CARBAZOLE										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	4-CHLOROANILINE	0.23		13	2.7						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	4-CHLORO(A)PHTHALENE	61		67000	4800						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	4-CHLOROPHENYL-PHENYLETHER										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	DIBENZOFURAN										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	3,3-DICHLOROBENZIDINE	3.9		5.7	1.2						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2,4-DINITROTOLUENE										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2,6-DINITROTOLUENE										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	HEXACHLOROBENZENE	0.005		2.3	0.43						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	HEXACHLORO-1,3-BUTADIENE	0.038		47	8.9						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	HEXACHLOROCYCLOPENTADIENE	2.2		7800	470	2.7					ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	HEXACHLOROETHANE	0.079		91	17						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	ISOPHORONE	0.23		2700	570						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2-METHYLNAPHTHALENE	3.1		3300	240						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2-NITROANILINE										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	3-NITROANILINE										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	4-NITROANILINE			130	27						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	NITROBENZENE	0.073	36	2600	160	7.5					ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	N-NITROSODIPHENYLAMINE	1.1		520	110						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	N-NITROSODI-N-PROPYLAMINE	0.14		0.36	0.17						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	BENZYLBUTYL PHTHALATE	29		1300	290						ND	mg/kg	0.418	J4	**0.0994**	mg/kg	3.76	J J4
8270E	BIS(2-ETHYLHEXYL)PHTHALATE	14		184	39						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	DI-N-BUTYL PHTHALATE	35		91000	6300						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	DIETHYL PHTHALATE	44		730000	51000						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	DIMETHYL PHTHALATE										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	DI-N-OCTYL PHTHALATE	560		9100	630						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	1,2,4,5-TETRACHLOROBENZENE			390	23						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	4-CHLORO-3-METHYLPHENOL										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2-CHLOROPHENOL	0.76		6500	390						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2-METHYLPHENOL	0.77		4600	320						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	3&4-METHYL PHENOL										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2,4-DICHLOROPHENOL	0.19		2700	190						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2,4-DIMETHYLPHENOL	2.3		18000	1300						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	4,6-DINITRO-2-METHYLPHENOL										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2,4-DINITROPHENOL	0.12		1800	130						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2-NITROPHENOL										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	4-NITROPHENOL										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	PENTACHLOROPHENOL	0.062		4.4	1						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	PHENOL	21		270000	19000	39000					ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2,4,5-TRICHLOROPHENOL	68		91000	6300						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2,4,6-TRICHLOROPHENOL	0.86		230	49						ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2-FLUOROPHENOL										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	PHENOL-D5										ND	mg/kg	0.418		ND	mg/kg	0.418	
8270E	2,4,6-TRIBROMOPHENOL										ND	mg/kg	0.418		ND	mg/kg	0.418	
9012B	CYANIDE	20		786	47						ND	mg/kg	0.314		**0.106**	mg/kg	0.283	J
NJDEP EPH	EPH SCREEN										**60.8**	mg/kg	25.1	T8	**154**	mg/kg	67.8	T8
NJDEP EPH	O-TERPHENYL										86.6	% Rec	20		102	% Rec	60	

Qualifiers: B: The same analyte is found in the associated blank**C3:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable**I6:** The identification of the analyte is acceptable; the reported value is an estimate**J1:** Surrogate recovery limits have been exceeded; values are outside upper control limits.**J2:** Surrogate recovery limits have been exceeded; values are outside lower control limits**J3:** The associated batch QC was outside the established quality control range for precision**J4:** The associated batch QC was outside the established quality control range for accuracy**J5:** The sample matrix interfered with the ability to make any accurate determination; spike value is high**J6:** The sample matrix interfered with the ability to make any accurate determination; spike value is low**O1:** The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference**T8:** Sample(s) received past/too close to holding time expiration.**V:** The sample concentration is too high to evaluate accurate spike recoveries.

Table 7.0
AOC 8 Soil Sampling Results (April 2021)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

Client Sample ID							AOC8-1 @ 11.5-12.0			
Method	Analyte	Migration to GW Soil Criterion	Soil Remediation Std Inhal NonRes	Soil Remediation Standard Ingestion-NON	Soil Remediation Standard Ingestion-RES	Soil Remediation Std Inhal Res	Result	Units	RDL	Qualifier
2540 G-2011	TOTAL SOLIDS						**95.5**	%	0.1	
4500CN E-2011	CYANIDE	20		780	47					
6010D	ALUMINUM				78000		**2630**	mg/kg	10.5	
6010D	ANTIMONY	5.4		520	31		ND	mg/kg	2.1	
6010D	ARSENIC	19	5200	19	19	1100	2.58	mg/kg	2.1	
6010D	BARIUM	2100		260000	16000	870000	**6.32**	mg/kg	0.524	
6010D	BERYLLIUM	0.7	9300	2600	160	2000	**0.34**	mg/kg	0.21	
6010D	CADMIUM	1.9	12000	1100	71	2600	**0.205**	mg/kg	0.524	J
6010D	CALCIUM						**166**	mg/kg	105	
6010D	CHROMIUM						**7.83**	mg/kg	1.05	
6010D	COBALT	90	2500	390	23	520	**1.41**	mg/kg	1.05	
6010D	COPPER	910		52000	3100		**3.11**	mg/kg	2.1	
6010D	IRON						**6870**	mg/kg	10.5	
6010D	LEAD	90		800	400		**2.53**	mg/kg	0.524	
6010D	MAGNESIUM						**497**	mg/kg	105	
6010D	MANGANESE		400000	31000	1900	87000	**15.1**	mg/kg	1.05	
6010D	NICKEL	48	93000	26000	1600	20000	**2.76**	mg/kg	2.1	
6010D	POTASSIUM						**666**	mg/kg	105	
6010D	SELENIUM	11		6500	390		**0.949**	mg/kg	2.1	B J
6010D	SILVER	0.33		6500	390		ND	mg/kg	1.05	
6010D	SODIUM						ND	mg/kg	105	
6010D	THALLIUM						**0.502**	mg/kg	2.1	J
6010D	VANADIUM		800000	6500	390	170000	**11.3**	mg/kg	2.1	
6010D	ZINC	930		390000	23000		**10.7**	mg/kg	5.24	
7471B	MERCURY	0.014		390	23	520000	ND	mg/kg	0.0419	
8081B	ALDRIN	0.13		0.21	0.041		ND	mg/kg	0.021	
8081B	ALPHA BHC	0.0023		0.41	0.086		ND	mg/kg	0.021	
8081B	BETA BHC	0.0046		1.4	0.3		ND	mg/kg	0.021	
8081B	DELTA BHC						ND	mg/kg	0.021	
8081B	GAMMA BHC	0.0035		2.8	0.57		ND	mg/kg	0.021	
8081B	CHLORDANE	1.4		1.4	0.27		ND	mg/kg	0.314	
8081B	4,4-DDD	0.47		11	2.3		ND	mg/kg	0.021	
8081B	4,4-DDE	0.47		11	2		ND	mg/kg	0.021	
8081B	4,4-DDT	0.67		9.5	1.9		ND	mg/kg	0.021	
8081B	DIELDRIN	0.024		0.16	0.034		ND	mg/kg	0.021	
8081B	ENDOSULFAN I						ND	mg/kg	0.021	
8081B	ENDOSULFAN II						ND	mg/kg	0.021	
8081B	ENDOSULFAN SULFATE						ND	mg/kg	0.021	
8081B	ENDRIN	1.6		270	19		ND	mg/kg	0.021	
8081B	ENDRIN ALDEHYDE						ND	mg/kg	0.021	
8081B	ENDRIN KETONE						ND	mg/kg	0.021	
8081B	HEXACHLOROBENZENE	0.005		2.3	0.43		ND	mg/kg	0.021	
8081B	HEPTACHLOR	0.083		0.81	0.15		ND	mg/kg	0.021	
8081B	HEPTACHLOR EPOXIDE	0.081		0.4	0.076		ND	mg/kg	0.021	
8081B	METHOXYCHLOR	43		4600	320		ND	mg/kg	0.021	
8081B	TOXAPHENE	6.2		2.3	0.49		ND	mg/kg	0.419	
8081B/8082A	DECACHLOROBIPHENYL						94.8 106	% Rec % Rec		
8081B/8082A	TETRACHLORO-M-XYLENE						93.3 95.9	% Rec % Rec		
8082 A	PCB 1016						ND	mg/kg	0.0356	
8082 A	PCB 1221						ND	mg/kg	0.0356	
8082 A	PCB 1232						ND	mg/kg	0.0356	
8082 A	PCB 1242						ND	mg/kg	0.0356	
8082 A	PCB 1248						ND	mg/kg	0.0178	
8082 A	PCB 1254						ND	mg/kg	0.0178	
8082 A	PCB 1260						ND	mg/kg	0.0178	
8082 A	TOTAL PCBS	1.6		1.1	0.25		ND	mg/kg	0.0178	
8082 A	DECACHLOROBIPHENYL									
8082 A	TETRACHLORO-M-XYLENE									
8260D	ACETONE	19			70000		ND	mg/kg	0.0524	J4
8260D	BENZENE	0.0094	11	16	3	2.2	ND	mg/kg	0.0011	
8260D	BROMOCHLOROMETHANE						ND	mg/kg	0.0011	
8260D	BROMODICHLOROMETHANE	0.0045		59	11		ND	mg/kg	0.0011	
8260D	BROMOFORM	0.018		460	88		ND	mg/kg	0.0011	
8260D	BROMOMETHANE	0.043	82	1800	110	18	ND	mg/kg	0.0052	
8260D	CARBON DISULFIDE	3.7					ND	mg/kg	0.0011	
8260D	CARBON TETRACHLORIDE	0.0075	6.9	40	7.6	1.4	ND	mg/kg	0.0011	
8260D	CHLOROBENZENE	0.64		8400	510		ND	mg/kg	0.0011	
8260D	CHLORODIBROMOMETHANE	0.0044		43	8.3		ND	mg/kg	0.0011	
8260D	CHLOROETHANE						ND	mg/kg	0.0052	
8260D	CHLOROFORM	0.33		13000	780	590	ND	mg/kg	0.0052	
8260D	CHLOROMETHANE		1200			270	ND	mg/kg	0.0026	
8260D	CYCLOHEXANE						ND	mg/kg	0.0011	
8260D	1,2-DIBROMO-3-CHLOROPROPANE	0.00015	0.12	4.5	0.87	0.026	ND	mg/kg	0.0052	
8260D	1,2-DIBROMOETHANE	0.00014	0.41	1.8	0.35	0.085	ND	mg/kg	0.0011	
8260D	DICHLORODIFLUOROMETHANE	38		260000	16000		ND	mg/kg	0.0052	
8260D	1,1-DICHLOROETHANE	0.24		640	120		ND	mg/kg	0.0011	
8260D	1,2-DICHLOROETHANE	0.0095	320	30	5.8	71	ND	mg/kg	0.0011	
8260D	1,2-DICHLOROBENZENE	11		110000	6700		ND	mg/kg	0.0011	
8260D	1,3-DICHLOROBENZENE	11		110000	6700		ND	mg/kg	0.0011	
8260D	1,4-DICHLOROBENZENE	1.4		13000	780		ND	mg/kg	0.0011	
8260D	1,1-DICHLOROETHENE	0.0069	240	180	11	52	ND	mg/kg	0.0011	
8260D	CIS-1,2-DICHLOROETHENE	0.35		13000	780		ND	mg/kg	0.0011	
8260D	TRANS-1,2-DICHLOROETHENE	0.56		22000	1300		ND	mg/kg	0.0011	
8260D	1,2-DICHLOROPROPANE	0.0058	27	98	19	5.7	ND	mg/kg	0.0011	
8260D	CIS-1,3-DICHLOROPROPENE						ND	mg/kg	0.0011	
8260D	TRANS-1,3-DICHLOROPROPENE						ND	mg/kg	0.0011	
8260D	ETHYLBENZENE	15	48	130000	7800	10	ND	mg/kg	0.0011	
8260D	2-HEXANONE	0.15		6500	390	1000	ND	mg/kg	0.0105	
8260D	ISOPROPYLBENZENE	22		130000	7800		ND	mg/kg	0.0011	
8260D	2-BUTANONE (MEK)	0.98		780000	47000		ND	mg/kg	0.0105	
8260D	METHYL ACETATE	22			78000		ND	mg/kg	0.021	
8260D	METHYL CYCLOHEXANE						ND	mg/kg	0.0011	
8260D	METHYLENE CHLORIDE	0.013		260	50	1400	ND	mg/kg	0.0052	
8260D	4-METHYL-2-PENTANONE (MIBK)						ND	mg/kg	0.0105	
8260D	METHYL TERT-BUTYL ETHER	0.25	650	13000	780	140	ND	mg/kg	0.0011	
8260D	STYRENE	2.1		260000	16000		ND	mg/kg	0.0011	
8260D	1,1,2,2-TETRACHLOROETHANE	0.0069		18	3.5		ND	mg/kg	0.0011	
8260D	TETRACHLOROETHENE	0.0086		1700	330	47	ND	mg/kg	0.0011	
8260D	TOLUENE	7.8		100000	6300		ND	mg/kg	0.0052	
8260D	1,2,3-TRICHLOROBENZENE						ND	mg/kg	0.0011	
8260D	1,2,4-TRICHLOROBENZENE	0.52		13000	780	94	ND	mg/kg	0.0011	
8260D	1,1,1-TRICHLOROETHANE	0.2			160000		ND	mg/kg	0.0011	
8260D	1,1,2-TRICHLOROETHANE	0.017		64	12		ND	mg/kg	0.0011	
8260D	TRICHLOROETHENE	0.0065	14	79	15	3	ND	mg/kg	0.0011	
8260D	TRICHLOROFLUOROMETHANE	29		390000	23000		ND	mg/kg	0.0052	
8260D	1,1,2-TRICHLOROTRIFLUOROETHANE	1300					ND	mg/kg	0.0011	
8260D	VINYL CHLORIDE	0.0067	6.4	5	0.97	1.4	ND	mg/kg	0.0011	
8260D	XYLENES, TOTAL	19		190000	12000		ND	mg/kg	0.0031	
8260D	TOLUENE-D8						108	% Rec		
8260D	4-BROMOFLUOROBENZENE						106	% Rec		
8260D	1,2-DICHLOROETHANE-D4						130	% Rec		
8260D	NAPHTHALENE	19	27	34000	2500	5.7				
8260D	TERT-BUTYL ALCOHOL	0.32		23000	1400					
8270E	ANTHRACENE	1300		250000	18000		ND	mg/kg	0.0349	J4
8270E	ACENAPHTHENE	82		50000	3600		ND	mg/kg	0.0349	J4
8270E	ACENAPHTHYLENE						ND	mg/kg	0.0349	J4
8270E	BENZO(A)ANTHRACENE	0.71	370000	23	5.1	78000	ND	mg/kg	0.0349	
8270E	BENZO(A)PYRENE		16000	2.3	0.51	3500	ND	mg/kg	0.0349	
8270E	BENZO(B)FLUORANTHENE	4.8	370000	23	5.1	78000	ND	mg/kg	0.0349	
8270E	BENZO(G,H,I)PERYLENE						ND	mg/kg	0.0349	
8270E	BENZO(K)FLUORANTHENE	12		230	51	780000	ND	mg/kg	0.0349	
8270E	CHRYSENE	36		2300	510		ND	mg/kg	0.0349	
8270E	DIBENZ(A,H)ANTHRACENE	23	37000	2.3	0.51	7800	ND	mg/kg	0.0349	
8270E	FLUORANTHENE	670		33000	2400		ND	mg/kg	0.0349	
8270E	FLUORENE	110		33000	2400		ND	mg/kg	0.0349	J4
8270E	INDENO(1,2,3-CD)PYRENE	16	370000	23	5.1	78000	ND	mg/kg	0.0349	
8270E	NAPHTHALENE	19	27	34000	2500	5.7	ND	mg/kg	0.0349	J4
8270E	PHENANTHRENE						ND	mg/kg	0.0349	J4
8270E	PYRENE	440		25000	1800		ND	mg/kg	0.0349	
8270E	NITROBENZENE-D5						72.2	% Rec		
8270E	2-FLUOROBIPHENYL						82.3	% Rec		
8270E	P-TERPHENYL-D14						86.9	% Rec		
8270E	ACETOPHENONE	3.6		130000	7800		ND	mg/kg	0.349	
8270E	ATRAZINE	0.036		3200	220		ND	mg/kg	0.349	
8270E	BENZALDEHYDE			910	170		ND	mg/kg	0.349	
8270E	BIPHENYL	83		450	87		ND	mg/kg	0.349	J4
8270E	BIS(2-CHLORETHOXY)METHANE			2700	190		ND	mg/kg	0.349	J4
8270E	BIS(2-CHLOROETHYL)ETHER	0.03		3.3	0.63		ND	mg/kg	0.349	J4
8270E	2,2-OXYBIS(1-CHLOROPROPANE)	1.9		52000	3100		ND	mg/kg	0.349	J4
8270E	4-BROMOPHENYL-PHENYLETHER						ND	mg/kg	0.349	
8270E	CAPROLACTAM	16	1300	460000	32000	290	ND	mg/kg	0.349	
8270E	CARBAZOLE						ND	mg/kg	0.349	
8270E	4-CHLOROANILINE	0.23		13	2.7		ND	mg/kg	0.349	J4
8270E	2-CHLORONAPHTHALENE	61		67000	4800		ND	mg/kg	0.0349	J4
8270E	4-CHLOROPHENYL-PHENYLETHER						ND	mg/kg	0.349	J4
8270E	DIBENZOFURAN						ND	mg/kg	0.349	J4
8270E	3,3-DICHLOROBENZIDINE	3.9		5.7	1.2		ND	mg/kg	0.349	
8270E	2,4-DINITROTOLUENE						ND	mg/kg	0.349	
8270E	2,6-DINITROTOLUENE						ND	mg/kg	0.349	
8270E	HEXACHLOROBENZENE	0.005		2.3	0.43		ND	mg/kg	0.349	
8270E	HEXACHLORO-1,3-BUTADIENE	0.038		47	8.9		ND	mg/kg	0.349	J4
8270E	HEXACHLOROCYCLOPENTADIENE	2.5		7800	470	2.7	ND	mg/kg	0.349	
8270E	HEXACHLOROETHANE	0.079		91	17		ND	mg/kg	0.349	
8270E	ISOPHORONE	0.23		2700	570		ND	mg/kg	0.349	J4
8270E	2-METHYLNAPHTHALENE	3.1		3300	240		ND	mg/kg	0.0349	J4
8270E	2-NITROANILINE						ND	mg/kg	0.349	
8270E	3-NITROANILINE						ND	mg/kg	0.349	
8270E	4-NITROANILINE			130	27		ND	mg/kg	0.349	
8270E	NITROBENZENE	0.073	36	2600	160	7.5	ND	mg/kg	0.349	J4
8270E	N-NITROSODIPHENYLAMINE	1.1		520	110		ND	mg/kg	0.349	
8270E	N-NITROSODI-N-PROPYLAMINE	0.14		0.36	0.17		ND	mg/kg	0.349	J4
8270E	BENZYLBUTYL PHTHALATE	29		1300	290		ND	mg/kg	0.349	
8270E	BIS(2-ETHYLHEXYL)PHTHALATE	14		180	39		ND	mg/kg	0.349	
8270E	DI-N-BUTYL PHTHALATE	35		91000	6300		ND	mg/kg	0.349	J4
8270E	DIETHYL PHTHALATE	44		730000	51000		ND	mg/kg	0.349	
8270E	DIMETHYL PHTHALATE						ND	mg/kg	0.349	
8270E	DI-N-OCTYL PHTHALATE	560		9100	630		ND	mg/kg	0.349	
8270E	1,2,4,5-TETRACHLOROBENZENE			390	23		ND	mg/kg	0.349	J4
8270E	4-CHLORO-3-METHYLPHENOL						ND	mg/kg	0.349	J4
8270E	2-CHLOROPHENOL	0.76		6500	390		ND	mg/kg	0.349	J4
8270E	2-METHYLPHENOL	0.77		4600	320		ND	mg/kg	0.349	J4
8270E	3&4-METHYL PHENOL						ND	mg/kg	0.349	
8270E	2,4-DICHLOROPHENOL	0.19		2700	190		ND	mg/kg	0.349	J4
8270E	2,4-DIMETHYLPHENOL	2.3		18000	1300		ND	mg/kg	0.349	J4
8270E	4,6-DINITRO-2-METHYLPHENOL						ND	mg/kg	0.349	J4
8270E	2,4-DINITROPHENOL	0.12		1800	130		ND	mg/kg	0.349	
8270E	2-NITROPHENOL						ND	mg/kg	0.349	J4
8270E	4-NITROPHENOL						ND	mg/kg	0.349	
8270E	PENTACHLOROPHENOL	0.062		4.4	1		ND	mg/kg	0.349	
8270E	PHENOL	21		270000	19000	39000	ND	mg/kg	0.349	
8270E	2,4,5-TRICHLOROPHENOL	68		91000	6300		ND	mg/kg	0.349	J4
8270E	2,4,6-TRICHLOROPHENOL	0.86		230	49		ND	mg/kg	0.349	J4
8270E	2-FLUOROPHENOL						89.3	% Rec		
8270E	PHENOL-D5						78.9	% Rec		
8270E	2,4,6-TRIBROMOPHENOL						86.7	% Rec		
9012B	CYANIDE	20		780	47		ND	mg/kg	0.262	
NJDEP EPH	EPH SCREEN						ND	mg/kg	21	
NJDEP EPH	O-TERPHENYL						80.9	% Rec	20	

Qualifiers: B: The same analyte is found in the associated blank. **C3:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. **J:** The identification of the analyte is acceptable; the reported value is an estimate. **J1:** Surrogate recovery limits have been exceeded; values are outside upper control limits. **J2:** Surrogate recovery limits have been exceeded; values are outside lower control limits. **J3:** The associated batch QC was outside the established quality control range for precision. **J4:** The associated batch QC was outside the established quality control range for accuracy. **J5:** The sample matrix interfered with the ability to make any accurate determination; spike value is high. **J6:** The sample matrix interfered with the ability to make any accurate determination; spike value is low. **O1:** The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. **T8:** Sample(s) received past/too close to holding time expiration. **V:** The sample concentration is too high to evaluate accurate spike recoveries.

Table 8.0
AOC 9 Soil Sampling Results (April 2021)
Reliable Tire, Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-767

Client Sample ID							AOC 9-1			
Method	Analyte	Migration to GW Soil Criterion	Soil Remediation Std Inhal NonRes	Soil Remediation Standard Ingestion-NON	Soil Remediation Standard Ingestion-RES	Soil Remediation Std Inhal Res	Result	Units	RDL	Qualifier
2540 G-2011	TOTAL SOLIDS						**92.1**	%	0.1	
4500CN E-2011	CYANIDE	20		780	47					
6010D	ALUMINUM				78000		**7380**	mg/kg	10.9	
6010D	ANTIMONY	5.4		520	31		ND	mg/kg	2.17	
6010D	ARSENIC	19	5200	19	19	1100	9.09	mg/kg	2.17	
6010D	BARIUM	2100		260000	16000	870000	**63.6**	mg/kg	0.543	
6010D	BERYLLIUM	0.7	9300	2600	160	2000	**0.394**	mg/kg	0.217	
6010D	CADMIUM	1.9	12000	1100	71	2600	**0.236**	mg/kg	0.543	J
6010D	CALCIUM						**25600**	mg/kg	109	
6010D	CHROMIUM						**15.6**	mg/kg	1.09	
6010D	COBALT	90	2500	390	23	520	**5.19**	mg/kg	1.09	
6010D	COPPER	910		52000	3100		**20.4**	mg/kg	2.17	
6010D	IRON						**11600**	mg/kg	10.9	
6010D	LEAD	90		800	400		**63.7**	mg/kg	0.543	
6010D	MAGNESIUM						**7860**	mg/kg	109	
6010D	MANGANESE		400000	31000	1900	87000	**150**	mg/kg	1.09	
6010D	NICKEL	48	93000	26000	1600	20000	**9.27**	mg/kg	2.17	
6010D	POTASSIUM						**1590**	mg/kg	109	
6010D	SELENIUM	11		6500	390		ND	mg/kg	2.17	
6010D	SILVER	0.33		6500	390		ND	mg/kg	1.09	
6010D	SODIUM						**573**	mg/kg	109	
6010D	THALLIUM						ND	mg/kg	2.17	
6010D	VANADIUM		800000	6500	390	170000	**27.5**	mg/kg	2.17	
6010D	ZINC	930		390000	23000		**99.5**	mg/kg	5.43	
7471B	MERCURY	0.014		390	23	520000	0.359	mg/kg	0.044	
8270E	ACENAPHTHENE	82		50000	3600		**0.065**	mg/kg	0.036	
8270E	ACENAPHTHYLENE						**0.075**	mg/kg	0.036	
8270E	ANTHRACENE	1300		250000	18000		**0.206**	mg/kg	0.036	
8270E	BENZO(A)ANTHRACENE	0.71	370000	23	5.1	78000	1.35	mg/kg	0.036	
8270E	BENZO(B)FLUORANTHENE	4.8	370000	23	5.1	78000	**1.64**	mg/kg	0.036	
8270E	BENZO(K)FLUORANTHENE	12		230	51	780000	**0.566**	mg/kg	0.036	
8270E	BENZO(G,H,I)PERYLENE						**0.953**	mg/kg	0.036	
8270E	BENZO(A)PYRENE	2.3	16000	2.3	0.51	3500	1.35	mg/kg	0.036	
8270E	CHRYSENE	36		2300	510		**1.26**	mg/kg	0.036	
8270E	DIBENZ(A,H)ANTHRACENE	23	37000	2.3	0.51	7800	**0.205**	mg/kg	0.036	
8270E	FLUORANTHENE	670		33000	2400		**2.43**	mg/kg	0.036	
8270E	FLUORENE	110		33000	2400		**0.059**	mg/kg	0.036	
8270E	INDENO(1,2,3-CD)PYRENE	16	370000	23	5.1	78000	**1.21**	mg/kg	0.036	
8270E	NAPHTHALENE	19	27	34000	2500	5.7	**0.038**	mg/kg	0.036	
8270E	PHENANTHRENE						**1.03**	mg/kg	0.036	
8270E	PYRENE	440		25000	1800		**1.91**	mg/kg	0.036	
8270E	NITROBENZENE-D5						90.8	% Rec		
8270E	2-FLUOROBIPHENYL						85.1	% Rec		
8270E	P-TERPHENYL-D14						91.4	% Rec		

Qualifiers: B: The same analyte is found in the associated blank. **C3:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. **C5:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result. **J:** The identification of the analyte is acceptable; the reported value is an estimate. **J1:** Surrogate recovery limits have been exceeded; values are outside upper control limits. **J2:** Surrogate recovery limits have been exceeded; values are outside lower control limits.**J3:** The associated batch QC was outside the established quality control range for precision. **J4:** The associated batch QC was outside the established quality control range for accuracy **J5:** The sample matrix interfered with the ability to make any accurate determination; spike value is high.**J6:** The sample matrix interfered with the ability to make any accurate determination; spike value is low **O1:** The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. **P:** RPD between the primary and confirmatory analysis exceeded 40% **V:** The sample concentration is too high to evaluate accurate spike recoveries.

Table 9.0
AOC 10 Sampling Results (April 2021)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

Client Sample ID							AOC10-1 @ 13.0-13.5				AOC10-2 @ 13.0-13.5				AOC 10-3				AOC 10-4				AOC 10-5				AOC 10-6				AOC 10-7			
Method	Analyte	Migration to GW Soil Criterion	Soil Remediation Std Inhal NonRes	Soil Remediation Standard Ingestion-NON	Soil Remediation Standard Ingestion-RES	Soil Remediation Std Inhal Res	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
2540 G-2011	TOTAL SOLIDS						87.8	%	0.1		92.7	%	0.1		96.3	%	0.1		92.2	%	0.1		90.8	%	0.1		95.7	%	0.1		96.2	%	0.1	
4500CN E-2011	CYANIDE	20		780	47																													
6010D	ALUMINUM				78000		675	mg/kg	11.4		286	mg/kg	10.8		2470	mg/kg	10.4		2980	mg/kg	10.8		2250	mg/kg	11		2750	mg/kg	10.4		2480	mg/kg	10.4	
6010D	ANTIMONY	5.4		520	31		ND	mg/kg	2.28		ND	mg/kg	2.16		ND	mg/kg	2.08		0.76	mg/kg	2.17	J	ND	mg/kg	2.2		ND	mg/kg	2.09		ND	mg/kg	2.08	
6010D	ARSENIC	19	5200	19	19	1100	ND	mg/kg	2.28		0.573	mg/kg	2.16	J	0.95	mg/kg	2.08	J	2.81	mg/kg	2.17		2.29	mg/kg	2.2		1.26	mg/kg	2.09	J	1.2	mg/kg	2.08	J
6010D	BARIUM	2100		260000	16000	870000	2.59	mg/kg	0.57	B	1.27	mg/kg	0.54		7.05	mg/kg	0.519		4.33	mg/kg	0.542		6	mg/kg	0.551		8.12	mg/kg	0.522		6.77	mg/kg	0.52	
6010D	BERYLLIUM	0.7	9300	2600	160	2000	0.055	mg/kg	0.228	J	0.0572	mg/kg	0.216	J	0.21	mg/kg	0.208		0.26	mg/kg	0.217		0.375	mg/kg	0.22		0.3	mg/kg	0.209		0.2	mg/kg	0.208	J
6010D	CADMIUM	1.9	12000	1100	71	2600	ND	mg/kg	0.57		ND	mg/kg	0.54		ND	mg/kg	0.519		ND	mg/kg	0.542		ND	mg/kg	0.551		ND	mg/kg	0.522		ND	mg/kg	0.52	
6010D	CALCIUM						56.8	mg/kg	114	J	51.5	mg/kg	108	J	60.1	mg/kg	104	J	121	mg/kg	108		131	mg/kg	110		90	mg/kg	104	J	87.6	mg/kg	104	J
6010D	CHROMIUM						1.72	mg/kg	1.14		0.871	mg/kg	1.08	J	5.21	mg/kg	1.04		10.3	mg/kg	1.08		11.4	mg/kg	1.1		8.5	mg/kg	1.04		6.19	mg/kg	1.04	
6010D	COBALT	90	2500	390	23	520	0.442	mg/kg	1.14	J	0.369	mg/kg	1.08	J	1.32	mg/kg	1.04		1.65	mg/kg	1.08		1.23	mg/kg	1.1		1.26	mg/kg	1.04		1.15	mg/kg	1.04	
6010D	COPPER	910		52000	3100		1.01	mg/kg	2.28	J	0.467	mg/kg	2.16	J	2.96	mg/kg	2.08		2.41	mg/kg	2.17		3.03	mg/kg	2.2		3.56	mg/kg	2.09		2.9	mg/kg	2.08	
6010D	IRON						1320	mg/kg	11.4		800	mg/kg	10.8		5030	mg/kg	10.4		8200	mg/kg	10.8		8210	mg/kg	11		6420	mg/kg	10.4		4870	mg/kg	10.4	
6010D	LEAD	90		800	400		0.792	mg/kg	0.57		0.446	mg/kg	0.54	J	1.88	mg/kg	0.519		2.5	mg/kg	0.542		2.8	mg/kg	0.551		2.91	mg/kg	0.522		1.95	mg/kg	0.52	
6010D	MAGNESIUM						85.7	mg/kg	114	J	25.1	mg/kg	108	J	688	mg/kg	104		847	mg/kg	108		410	mg/kg	110		665	mg/kg	104		638	mg/kg	104	
6010D	MANGANESE		400000	31000	1900	87000	2.82	mg/kg	1.14	B	1.05	mg/kg	1.08	J	16.9	mg/kg	1.04		18.3	mg/kg	1.08		13.2	mg/kg	1.1		18.4	mg/kg	1.04		15.5	mg/kg	1.04	
6010D	NICKEL	48	93000	26000	1600	20000	0.547	mg/kg	2.28	J	0.24	mg/kg	2.16	J	3.63	mg/kg	2.08		3.68	mg/kg	2.17		2.56	mg/kg	2.2		3.5	mg/kg	2.09		3.11	mg/kg	2.08	
6010D	POTASSIUM						194	mg/kg	114		116	mg/kg	108		636	mg/kg	104		1420	mg/kg	108		575	mg/kg	110		655	mg/kg	104		640	mg/kg	104	
6010D	SELENIUM	11		6500	390		ND	mg/kg	2.28		ND	mg/kg	2.16		0.81	mg/kg	2.08	J	ND	mg/kg	2.17		ND	mg/kg	2.2		ND	mg/kg	2.09		ND	mg/kg	2.08	
6010D	SILVER	0.33		6500	390		ND	mg/kg	1.14		ND	mg/kg	1.08		ND	mg/kg	1.04		ND	mg/kg	1.08		ND	mg/kg	1.1		ND	mg/kg	1.04		ND	mg/kg	1.04	
6010D	SODIUM						ND	mg/kg	114		67.2	mg/kg	108	B J	52.3	mg/kg	104	J	58.2	mg/kg	108	J	53.9	mg/kg	110	J	56.5	mg/kg	104	J	59.7	mg/kg	104	J
6010D	THALLIUM						ND	mg/kg	2.28		ND	mg/kg	2.16		ND	mg/kg	2.08		ND	mg/kg	2.17		ND	mg/kg	2.2		ND	mg/kg	2.09		ND	mg/kg	2.08	
6010D	VANADIUM		800000	6500	390	170000	3.17	mg/kg	2.28		1.78	mg/kg	2.16	J	6.66	mg/kg	2.08		12.3	mg/kg	2.17		10.4	mg/kg	2.2		8.86	mg/kg	2.09		7.92	mg/kg	2.08	
6010D	ZINC	930		390000	23000		1.54	mg/kg	5.7	J	2.91	mg/kg	5.4	J	10.1	mg/kg	5.19		10.9	mg/kg	5.42		12.9	mg/kg	5.51		10	mg/kg	5.22		8.56	mg/kg	5.2	
7471B	MERCURY	0.014		390	23	520000	ND	mg/kg	0.0456		ND	mg/kg	0.0432		ND	mg/kg	0.0416		ND	mg/kg	0.0434		ND	mg/kg	0.0441		ND	mg/kg	0.0418		ND	mg/kg	0.0416	
8260D	ACETONE	19			70000		ND	mg/kg	0.057	T8	ND	mg/kg	0.054	T8	ND	mg/kg	0.0519		ND	mg/kg	0.0542		ND	mg/kg	0.0551		ND	mg/kg	0.0522		ND	mg/kg	0.052	
8260D	BENZENE	0.0094	11	16	3	2.2	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	BROMOCHLOROMETHANE						ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	BROMODICHLOROMETHANE	0.0045		59	11		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	BROMOFORM	0.018		460	88		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	BROMOMETHANE	0.043	82	1800	110	18	ND	mg/kg	0.0057	T8	ND	mg/kg	0.0054	T8	ND	mg/kg	0.0052		ND	mg/kg	0.0054		ND	mg/kg	0.0055		ND	mg/kg	0.0052		ND	mg/kg	0.0052	
8260D	CARBON DISULFIDE	3.7					ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	CARBON TETRACHLORIDE	0.0075	6.9	40	7.6	1.4	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	CHLOROBENZENE	0.64		8400	510		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	CHLORODIBROMOMETHANE	0.0044		43	8.3		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	CHLOROETHANE						ND	mg/kg	0.0057	T8	ND	mg/kg	0.0054	T8	ND	mg/kg	0.0052		ND	mg/kg	0.0054		ND	mg/kg	0.0055		ND	mg/kg	0.0052		ND	mg/kg	0.0052	
8260D	CHLOROFORM	0.33		13000	780	590	ND	mg/kg	0.0057	T8	ND	mg/kg	0.0054	T8	ND	mg/kg	0.0052		ND	mg/kg	0.0054		ND	mg/kg	0.0055		ND	mg/kg	0.0052		ND	mg/kg	0.0052	
8260D	CHLOROMETHANE		1200			270	ND	mg/kg	0.0029	T8	ND	mg/kg	0.0027	T8	ND	mg/kg	0.0026		ND	mg/kg	0.0027		ND	mg/kg	0.0028		ND	mg/kg	0.0026		ND	mg/kg	0.0026	
8260D	CYCLOHEXANE						ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,2-DIBROMO-3-CHLOROPROPANE	0.00015	0.12	4.5	0.87	0.026	ND	mg/kg	0.0057	T8	ND	mg/kg	0.0054	T8	ND	mg/kg	0.0052		ND	mg/kg	0.0054		ND	mg/kg	0.0055		ND	mg/kg	0.0052		ND	mg/kg	0.0052	
8260D	1,2-DIBROMOETHANE	0.00014	0.41	1.8	0.35	0.085	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	DICHLORODIFLUOROMETHANE	38		260000	16000		ND	mg/kg	0.0057	T8	ND	mg/kg	0.0054	T8	ND	mg/kg	0.0052		ND	mg/kg	0.0054		ND	mg/kg	0.0055		ND	mg/kg	0.0052		ND	mg/kg	0.0052	
8260D	1,1-DICHLOROETHANE	0.24		640	120		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,2-DICHLOROETHANE	0.0095	320	30	5.8	71	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,2-DICHLOROBENZENE	11		110000	6700		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,3-DICHLOROBENZENE	11		110000	6700		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,4-DICHLOROBENZENE	1.4		13000	780		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,1-DICHLOROETHENE	0.0069	240	180	11	52	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	CIS-1,2-DICHLOROETHENE	0.35		13000	780		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	TRANS-1,2-DICHLOROETHENE	0.56		22000	1300		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,2-DICHLOROPROPANE	0.0058	27	98	19	5.7	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	CIS-1,3-DICHLOROPROPENE						ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	TRANS-1,3-DICHLOROPROPENE						ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	ETHYLBENZENE	15	48	130000	7800	10	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	2-HEXANONE	0.15		6500	390	1000	ND	mg/kg	0.0114	T8	ND	mg/kg	0.0108	T8	ND	mg/kg	0.0104		ND	mg/kg	0.0108		ND	mg/kg	0.011		ND	mg/kg	0.0104		ND	mg/kg	0.0104	
8260D	ISOPROPYLBENZENE	22		130000	7800		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	2-BUTANONE (MEK)	0.98		780000	47000		ND	mg/kg	0.0114	T8	ND	mg/kg	0.0108	T8	ND	mg/kg	0.0104		ND	mg/kg	0.0108		ND	mg/kg	0.011		ND	mg/kg	0.0104		ND	mg/kg	0.0104	
8260D	METHYL ACETATE	22			78000		ND	mg/kg	0.0228	T8	ND	mg/kg	0.0216	T8	ND	mg/kg	0.0208		ND	mg/kg	0.0217		ND	mg/kg	0.022		ND	mg/kg	0.0209		ND	mg/kg	0.0208	
8260D	METHYL CYCLOHEXANE						ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	METHYLENE CHLORIDE	0.013		260	50	1400	ND	mg/kg	0.0057	T8	ND	mg/kg	0.0054	T8	ND	mg/kg	0.0052		ND	mg/kg	0.0054		ND	mg/kg	0.0055		ND	mg/kg	0.0052		ND	mg/kg	0.0052	
8260D	4-METHYL-2-PENTANONE (MIBK)						ND	mg/kg	0.0114	T8	ND	mg/kg	0.0108	T8	ND	mg/kg	0.0104		ND	mg/kg	0.0108		ND	mg/kg	0.011		ND	mg/kg	0.0104		ND	mg/kg	0.0104	
8260D	METHYL TERT-BUTYL ETHER	0.25	650	13000	780	140	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	STYRENE	2.1		260000	16000		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,1,2,2-TETRACHLOROETHANE	0.0069		18	3.5		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001	C3	ND	mg/kg	0.0011	C3	ND	mg/kg	0.0011	C3	ND	mg/kg	0.001	C3	ND	mg/kg	0.001	C3
8260D	TETRACHLOROETHENE	0.0086		1700	330	47	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	TOLUENE	7.8		100000	6300		ND	mg/kg	0.0057	T8	ND	mg/kg	0.0054	T8	ND	mg/kg	0.0052		ND	mg/kg	0.0054		ND	mg/kg	0.0055		ND	mg/kg	0.0052		ND	mg/kg	0.0052	
8260D	1,2,3-TRICHLOROBENZENE						ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,2,4-TRICHLOROBENZENE	0.52		13000	780	94	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,1,1-TRICHLOROETHANE	0.2			160000		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	1,1,2-TRICHLOROETHANE	0.017		64	12		ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	TRICHLOROETHENE	0.0065	14	79	15	3	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	TRICHLOROFLUOROMETHANE	29		390000	23000		ND	mg/kg	0.0057	T8	ND	mg/kg	0.0054	T8	ND	mg/kg	0.0052		ND	mg/kg	0.0054		ND	mg/kg	0.0055		ND	mg/kg	0.0052		ND	mg/kg	0.0052	
8260D	1,1,2-TRICHLOROTRIFLUOROETHAN	1300					ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	VINYL CHLORIDE	0.0067	6.4	5	0.97	1.4	ND	mg/kg	0.0011	T8	ND	mg/kg	0.0011	T8	ND	mg/kg	0.001		ND	mg/kg	0.0011		ND	mg/kg	0.0011		ND	mg/kg	0.001		ND	mg/kg	0.001	
8260D	XYLENES, TOTAL	19		190000	12000		ND	mg/kg	0.0034	T8	ND	mg/kg	0.0032	T8	ND	mg/kg	0.0031		ND	mg/kg	0.0033		ND	mg/kg	0.0033		ND	mg/kg	0.0031		ND	mg/kg	0.0031	
8260D	TOLUENE-D8						108	% Rec			108	% Rec			110	% Rec			108	% Rec			109	% Rec			104	% Rec			102	% Rec		
8260D	4-BROMOFLUOROBENZENE						105	% Rec			108	% Rec			104	% Rec			107	% Rec			104	% Rec			103	% Rec			112	% Rec		
8260D	1,2-DICHLOROETHANE-D4						110	% Rec			111	% Rec			127	% Rec			123	% Rec			126	% Rec			128	% Rec			127	% Rec		
8270E	ACENAPHTHENE	82		50000	3600		ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	ACENAPHTHYLENE						ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	ACETOPHENONE	3.6		130000	7800																													
8270E	ANTHRACENE	1300		250000	18000		ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	BENZO(A)ANTHRACENE	0.71	370000	23	5.1	78000	ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	BENZO(B)FLUORANTHENE	4.8	370000	23	5.1	78000	ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	BENZO(K)FLUORANTHENE	12		230	51	780000	ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	BENZO(G,H,I)PERYLENE						ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	BENZO(A)PYRENE		16000	2.3	0.51	3500	ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	CHRYSENE	36		2300	510		ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	DIBENZ(A,H)ANTHRACENE	23	37000	2.3	0.51	7800	ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	FLUORANTHENE	670		33000	2400		ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		0.0127	mg/kg	0.0367	J J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	FLUORENE	110		33000	2400		ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	INDENO(1,2,3-CD)PYRENE	16	370000	23	5.1	78000	ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	NAPHTHALENE	19	27	34000	2500	5.7	ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		ND	mg/kg	0.0367	J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	PHENANTHRENE						ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		0.01	mg/kg	0.0367	J J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	PYRENE	440		25000	1800		ND	mg/kg	0.0379		ND	mg/kg	0.0359		ND	mg/kg	0.0346		ND	mg/kg	0.0361		0.0155	mg/kg	0.0367	J J6	ND	mg/kg	0.0348		ND	mg/kg	0.0346	
8270E	NITROBENZENE-D5						89.3	% Rec			78	% Rec			83.4	% Rec			91.8	% Rec			66.5	% Rec			90.7	% Rec			94.3	% Rec		
8270E	2-FLUOROBIPHENYL						92.3	% Rec			84	% Rec			93.4	% Rec			101	% Rec			74	% Rec			97.7	% Rec			101	% Rec		
8270E	P-TERPHENYL-D14						121	% Rec			99	% Rec			127	% Rec			133	% Rec		J1	93.7	% Rec			128	% Rec		J1	133	% Rec		J1

Qualifiers: B: The same analyte is found in the associated blank. **C3:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. **C5:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result. **J:** The identification of the analyte is acceptable; the reported value is an estimate. **J1:** Surrogate recovery limits have been exceeded; values are outside upper control limits. **J2:** Surrogate recovery limits have been exceeded; values are outside lower control limits. **J3:** The associated batch QC was outside the established quality control range for precision. **J4:** The associated batch QC was outside the established quality control range for accuracy. **J5:** The sample matrix interfered with the ability to make any accurate determination; spike value is high. **J6:** The sample matrix interfered with the ability to make any accurate determination; spike value is low. **O1:** The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. **P:** RPD between the primary and confirmatory analysis exceeded 40%. **V:** The sample concentration is too high to evaluate accurate spike recoveries.

Table 10.0
AOC 9 Delineation Soil Sampling Results (June 2022 and January 2023)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

ANALYTE	CAS	NJ-INT-NRID-SRS (mg/kg)	NJ-INT-RID-SRS (mg/kg)	NJ-INT-SLMGW-RS (mg/l)	NJ-MGW-SRS (mg/kg)	NJ-NRI-SRS (mg/kg)	NJ-NRID-SRS (mg/kg)	NJ-RI-SRS (mg/kg)	NJ-RID-SRS (mg/kg)
SEMIVOLATILE ORGANICS BY GC/MS									
Benzo(a)anthracene	56-55-3				0.71	370000	23	78000	5.1
Benzo(a)pyrene	50-32-8					16000	2.3	3500	0.51
Total SVOCs									
SPLP METALS BY EPA 131									
Mercury, SPLP	7439-97-6								
TOTAL METALS									
Mercury, Total	7439-97-6				0.1		390	520000	23
GENERAL CHEMISTRY									
Solids, Total	NONE								
SPLP EXTRACTION DATA BY EPA 13									
Sample Weight	NONE								
Leachate Volume	NONE								
pH, Extraction Post-Filtration	NONE								

SAMPLE ID:	AOC 9-1-W2@0-0.5				AOC 9-1-S2@0-0.5				AOC 9-1-W1@0-0.5				AOC 9-1-N1@0-0.5				AOC 9-1-E1-S@0-0.5				AOC 9-1-E1-D@4.5-5.0				AOC 9-1-S1@0-0.5			
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS																												
Benzo(a)anthracene																												
Benzo(a)pyrene	1.4		0.15	0.05	0.087	J	0.13	0.043	0.55		0.14	0.045	0.18	J	0.44	0.15	ND		0.15	0.049	ND		0.16	0.054	0.58	J	1.3	0.44
Total SVOCs	1.4	-	-	-	0.087	-	-	-	0.55	-	-	-	0.18	-	-	-	-	-	-	-	-	-	-	-	0.58	-	-	-
SPLP METALS BY EPA 131																												
Mercury, SPLP																												
TOTAL METALS																												
Mercury, Total	-		-	-	-		-	-																				
GENERAL CHEMISTRY																												
Solids, Total	79.7		0.1	NA	92.4		0.1	NA																				
SPLP EXTRACTION DATA BY EPA 13																												
Sample Weight																												
Leachate Volume																												
pH, Extraction Post-Filtration																												

SAMPLE ID:	AOC9-1R@ 3-3.5				AOC9-1R@ 4-4.5				AOC9-1R- N1				AOC9-1R- E1				AOC9-1R- S1				AOC9-1R- W1				AOC9-1R- W3			
ANALYTE																												
SEMIVOLATILE ORGANICS BY GC/MS																												
Benzo(a)anthracene	-		-	-	ND		0.069	0.023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.16		0.13	0.044
Total SVOCs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	-	-	-
SPLP METALS BY EPA 131																												
Mercury, SPLP	0.0001	J	0.0002	0.00009	-		-	-	-		-	-	-		-	-	0.00016	J	0.0002	0.00009	0.00013	J	0.0002	0.00009	-	-	-	-
TOTAL METALS																												
Mercury, Total	0.119		0.072	0.047	-		-	-	0.051	J	0.074	0.048	ND		0.071	0.046	0.293		0.073	0.048	0.067	J	0.069	0.045	-	-	-	-
GENERAL CHEMISTRY																												
Solids, Total	88.1		0.1	NA	81.3		0.1	NA	87.2		0.1	NA	90.1		0.1	NA	88		0.1	NA	90.6		0.1	NA	91		0.1	NA
SPLP EXTRACTION DATA BY EPA 13																												
Sample Weight	0.1		0	NA	-		-	-	-		-	-	-		-	-	0.1		0	NA	0.1		0	NA	-	-	-	-
Leachate Volume	2		0	NA	-		-	-	-		-	-	-		-	-	2		0	NA	2		0	NA	-	-	-	-
pH, Extraction Post-Filtration	9.86		0	NA	-		-	-	-		-	-	-		-	-	7.5		0	NA	9.49		0	NA	-	-	-	-

* Comparison is not performed on parameters with non-numeric criteria.

NJ-INT-NRID-SRS: New Jersey 2022 Interim Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Interim Remediation Standards, effective October 17, 2022.
NJ-INT-RID-SRS: New Jersey 2022 Interim Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Interim Remediation Standards, effective October 17, 2022.
NJ-INT-SLMGW-RS: New Jersey 2022 Interim Migration to Groundwater Exposure Pathway Soil Leachate Remediation Standards Criteria per Interim Remediation Standards, effective October 17, 2022.
NJ-MGW-SRS: New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-NRI-SRS: New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-NRID-SRS: New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-RI-SRS: New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-RID-SRS: New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

Table 11.0
AOC 2 Delineation Soil Sampling Results (June 2022)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

						SAMPLE ID:	AOC 2-2-E1-S@11.5-12				AOC 2-2-E1-D@14.5-15				AOC 2-2-S1@11.5-12				AOC 2-2-W1@11.5-12			
		NJ-MGW-SRS	NJ-NRI-SRS	NJ-NRID-SRS	NJ-RI-SRS	NJ-RID-SRS																
ANALYTE	CAS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Mercury, SPLP	7439-97-6						ND		0.0002	0.00009	ND		0.0002	0.00009	ND		0.0002	0.00009	ND		0.0002	0.00009

* Comparison is not performed on parameters with non-numeric criteria.

NJ-MGW-SRS: New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-NRI-SRS: New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-NRID-SRS: New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-RI-SRS: New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-RID-SRS: New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

Table 12.0
TP-4 and TP-6 Soil Sampling Results June 2022)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-763

						SAMPLE ID:	TP-6-W2@3-3.5				TP-6-S2@3-3.5				TP-6-N2@3-3.5			
		NJ-MGW-SRS	NJ-NRI-SRS	NJ-NRID-SRS	NJ-RI-SRS	NJ-RID-SRS												
ANALYTE	CAS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS																		
Benzo(a)pyrene	50-32-8		16000	2.3	3500	0.51	-	-	-	-	-	-	-	-	-	-	-	-
Total SVOCs							-	-	-	-	-	-	-	-	-	-	-	
TOTAL METALS																		
Lead, Total	7439-92-1	90		800		400	47.6		2.08	0.112	22.6		2.14	0.115	3.18		2.06	0.11
GENERAL CHEMISTRY																		
Solids, Total	NONE						91.4		0.1	NA	92.4		0.1	NA	92.5		0.1	NA

SAMPLE ID:	TP-6-W1@3-3.5				TP-6-S1@3-3.5				TP-6-E1-S@3-3.5				TP-6-E1-D@4.5-5.0			
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS																
Benzo(a)pyrene	-		-	-	-		-	-	-		-	-	-		-	-
Total SVOCs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL METALS																
Lead, Total	542		2.36	0.127	488		2.17	0.116	41.7		2.27	0.122	6.94		2.25	0.121
GENERAL CHEMISTRY																
Solids, Total	83.6		0.1	NA	91.7		0.1	NA	85.8		0.1	NA	86.7		0.1	NA

SAMPLE ID:	TP-6-N1@3-3.5				TP-4-W1@0.5-1				TP-4-S1@0.5-1				TP-4-E1-S@0.5-1				TP-4-E1-D@4.5-5				TP-4-N1@0.5-1			
ANALYTE	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
SEMIVOLATILE ORGANICS BY GC/MS																								
Benzo(a)pyrene	-		-	-	ND		0.15	0.051	0.14		0.14	0.045	ND		0.15	0.05	ND		0.13	0.044	0.1	J	0.14	0.045
Total SVOCs	-	-	-	-	-	-	-	-	0.14	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-
TOTAL METALS																								
Lead, Total	380		2.34	0.125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GENERAL CHEMISTRY																								
Solids, Total	81.6		0.1	NA	78.4		0.1	NA	89.5		0.1	NA	79.5		0.1	NA	89.7		0.1	NA	89.8		0.1	NA

* Comparison is not performed on parameters with non-numeric criteria.

NJ-INT-NRID-SRS: New Jersey 2022 Interim Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Interim Remediation Standards, effective October 17, 2022.
NJ-INT-RID-SRS: New Jersey 2022 Interim Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Interim Remediation Standards, effective October 17, 2022.
NJ-INT-SLMGW-RS: New Jersey 2022 Interim Migration to Groundwater Exposure Pathway Soil Leachate Remediation Standards Criteria per Interim Remediation Standards, effective October 17, 2022.
NJ-MGW-SRS: New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-NRI-SRS: New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-NRID-SRS: New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-RI-SRS: New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-RID-SRS: New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

Table 13.0
Temporary Well Sampling Results (April 2021)
Reliable Tire Co.
1115 Chestnut Street, Camden, NJ
TTI Project #20-767

Sample ID			TW-1				TW-2				TW-3				TW-4				BD-TW				FB42821				EB42821				TB42821			
Method	Analyte	NJDEP Groundwater Quality Standards	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
4500CN E-2011	CYANIDE	100	ND	ug/l	5		2.2	ug/l	5	J	ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5					
6020B	ALUMINUM	200	5810	ug/l	100		163000	ug/l	1000		79100	ug/l	1000		56700	ug/l	1000		73300	ug/l	1000		ND	ug/l	100		ND	ug/l	100					
6020B	ANTIMONY	6	ND	ug/l	4		3.28	ug/l	4	J	1.86	ug/l	4	J	1.97	ug/l	4	J	ND	ug/l	4		ND	ug/l	4		ND	ug/l	4					
6020B	ARSENIC	3	4.83	ug/l	2		249	ug/l	20		61	ug/l	20		20.8	ug/l	20		45.2	ug/l	20		ND	ug/l	2		ND	ug/l	2					
6020B	BARIUM	6000	65.8	ug/l	20		799	ug/l	200		287	ug/l	200		565	ug/l	200		212	ug/l	200		0.56	ug/l	20	J	0.845	ug/l	20	J				
6020B	BERYLLIUM	1	0.375	ug/l	2	J	18.5	ug/l	20	J	33.9	ug/l	20		7.66	ug/l	20	J	29.6	ug/l	20		ND	ug/l	2		ND	ug/l	2					
6020B	CADMIUM	4	0.238	ug/l	1	J	3.79	ug/l	10	J	1.75	ug/l	10	J	1.82	ug/l	10	J	1.01	ug/l	1		ND	ug/l	1		ND	ug/l	1					
6020B	CALCIUM		78600	ug/l	1000		75900	ug/l	10000		73000	ug/l	10000		61300	ug/l	10000		69400	ug/l	10000		3570	ug/l	1000		130	ug/l	1000	J				
6020B	CHROMIUM	70	26.8	ug/l	2		592	ug/l	20		1840	ug/l	20		1260	ug/l	20		885	ug/l	20		ND	ug/l	2		1.28	ug/l	2	J				
6020B	COPPER	1300	20	ug/l	5		404	ug/l	50		781	ug/l	50		354	ug/l	50		495	ug/l	50		3.87	ug/l	5	B J	3.52	ug/l	5	B J				
6020B	COBALT	100	51.3	ug/l	2		238	ug/l	20		167	ug/l	20		50.6	ug/l	20		164	ug/l	20		ND	ug/l	2		ND	ug/l	2					
6020B	IRON	300	11600	ug/l	100		479000	ug/l	1000		290000	ug/l	1000		166000	ug/l	1000		208000	ug/l	1000		ND	ug/l	100		ND	ug/l	100					
6020B	LEAD	5	28.2	ug/l	2		435	ug/l	20		91.1	ug/l	20		84.6	ug/l	20		63.1	ug/l	20		ND	ug/l	2		ND	ug/l	2					
6020B	MAGNESIUM		28100	ug/l	1000		84400	ug/l	10000		20300	ug/l	10000		13100	ug/l	10000		20000	ug/l	10000		1550	ug/l	1000		ND	ug/l	1000					
6020B	MANGANESE	50	222	ug/l	5		2720	ug/l	50		1720	ug/l	50		1060	ug/l	50		1300	ug/l	50		ND	ug/l	5		ND	ug/l	5					
6020B	NICKEL	100	12.6	ug/l	2		192	ug/l	20		261	ug/l	20		202	ug/l	20		150	ug/l	20		ND	ug/l	2		ND	ug/l	2					
6020B	POTASSIUM		11600	ug/l	2000		16900	ug/l	20000	J	17000	ug/l	20000	J	10200	ug/l	20000	J	13400	ug/l	20000	J	3330	ug/l	2000		ND	ug/l	2000					
6020B	SELENIUM	40	34	ug/l	2		31.8	ug/l	20		31.6	ug/l	20		14.9	ug/l	20	J	24.6	ug/l	20		ND	ug/l	2		ND	ug/l	2					
6020B	SILVER	40	ND	ug/l	2		1.4	ug/l	20	B J	1.14	ug/l	20	B J	0.72	ug/l	2	B J	0.609	ug/l	2	B J	ND	ug/l	2		ND	ug/l	2					
6020B	SODIUM	50000	56200	ug/l	2000		21500	ug/l	20000		18600	ug/l	20000	J	14600	ug/l	20000	J	23200	ug/l	20000		ND	ug/l	2000		ND	ug/l	2000					
6020B	THALLIUM	2	0.132	ug/l	2	J	2.01	ug/l	20	J	0.737	ug/l	2	J	0.339	ug/l	2	J	0.739	ug/l	2	J	ND	ug/l	2		ND	ug/l	2					
6020B	VANADIUM		29.7	ug/l	5		1130	ug/l	50		457	ug/l	50		203	ug/l	50		394	ug/l	50		ND	ug/l	5		ND	ug/l	5					
6020B	ZINC	2000	110	ug/l	25		901	ug/l	250		474	ug/l	250		429	ug/l	250		414	ug/l	250		ND	ug/l	25		ND	ug/l	25					
7470A	MERCURY	2	ND	ug/l	0.2		0.173	ug/l	0.2	J	0.152	ug/l	0.2	J	ND	ug/l	0.2		ND	ug/l	0.2		ND	ug/l	0.2		ND	ug/l	0.2					
8011	ETHYLENE DIBROMIDE	0.03	ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02					
8011	1,2-DIBROMO-3-CHLOROPROPANE	0.02	ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02					
8081B	ALDRIN	0.04	ND	ug/l	0.04		ND	ug/l	0.04		ND	ug/l	0.04		ND	ug/l	0.04		ND	ug/l	0.04		ND	ug/l	0.04		ND	ug/l	0.04					
8081B	ALPHA BHC	0.02	ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02					
8081B	BETA BHC	0.04	ND	ug/l	0.04		ND	ug/l	0.04		ND	ug/l	0.04		ND	ug/l	0.04		ND	ug/l	0.04		ND	ug/l	0.04		ND	ug/l	0.04					
8081B	DELTA BHC		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	GAMMA BHC	0.03	ND	ug/l	0.03		ND	ug/l	0.03		ND	ug/l	0.03		ND	ug/l	0.03		ND	ug/l	0.03		ND	ug/l	0.03		ND	ug/l	0.03					
8081B	CHLORDANE	0.5	ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5					
8081B	4,4-DDD	0.1	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	4,4-DDE	0.1	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	4,4-DDT	0.1	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	DIELDRIN	0.03	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	ENDOSULFAN I	40	ND	ug/l	0.05		0.371	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	ENDOSULFAN II	40	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	ENDOSULFAN SULFATE	40	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	ENDRIN	2	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	ENDRIN ALDEHYDE		ND	ug/l	0.05	J4	ND	ug/l	0.05	J4	ND	ug/l	0.05	J4	ND	ug/l	0.05	J4	ND	ug/l	0.05	J4	ND	ug/l	0.05	J4	ND	ug/l	0.05	J4				
8081B	ENDRIN KETONE		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	HEXACHLOROBENZENE	0.02	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	HEPTACHLOR	0.05	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	HEPTACHLOR EPOXIDE	0.2	ND	ug/l	0.05		0.271	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	METHOXYCHLOR	40	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8081B	TOXAPHENE	2	ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5					
8082 A	PCB 1016		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5					
8082 A	PCB 1221		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5					
8082 A	PCB 1232		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5					
8082 A	PCB 1242		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5					
8082 A	PCB 1248		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5					
8082 A	PCB 1254		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5					
8082 A	PCB 1260		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5					
8082 A	TOTAL PCBS	0.5	ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5		ND	ug/l	0.5					
8260D	ACETONE	6000	ND	ug/l	50		ND	ug/l	50		ND	ug/l	50		ND	ug/l	50		ND	ug/l	50		ND	ug/l	50		ND	ug/l	50		ND	ug/l	50	
8260D	BENZENE	1	ND	ug/l	1		ND	ug/l	1		0.148	ug/l	1	J	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		0.133	ug/l	1	J
8260D	BROMOCHLOROMETHANE		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	BROMODICHLOROMETHANE	1	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	BROMOFORM	4	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	BROMOMETHANE	10	ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5	
8260D	CARBON DISULFIDE	700	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	CARBON TETRACHLORIDE	1	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	CHLOROBENZENE	50	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	CHLORODIBROMOMETHANE	1	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	CHLOROETHANE	5	ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5	
8260D	CHLOROFORM	70	ND	ug/l	5		ND	ug/l	5		5.34	ug/l	5		8.28	ug/l	5		3.19	ug/l	5	J	ND	ug/l	5		ND	ug/l	5		ND	ug/l	5	
8260D	CHLOROMETHANE		ND	ug/l	2.5		ND	ug/l	2.5		ND	ug/l	2.5		ND	ug/l	2.5		ND	ug/l	2.5		ND	ug/l	2.5		ND	ug/l	2.5		ND	ug/l	2.5	
8260D	CYCLOHEXANE		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	C3 J4
8260D	1,2-DIBROMO-3-CHLOROPROPANE	0.02	ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5	
8260D	1,2-DIBROMOETHANE	0.03	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	DICHLORODIFLUOROMETHANE	1000	ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5	
8260D	1,1-DICHLOROETHANE	50	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	1,2-DICHLOROETHANE	2	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	1,2-DICHLOROBENZENE	600	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	1,3-DICHLOROBENZENE	600	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	1,4-DICHLOROBENZENE	75	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	1,1-DICHLOROETHENE	1	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	CIS-1,2-DICHLOROETHENE	70	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	TRANS-1,2-DICHLOROETHENE	100	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	1,2-DICHLOROPROPANE	1	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	CIS-1,3-DICHLOROPROPENE		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	TRANS-1,3-DICHLOROPROPENE		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	ETHYLBENZENE	700	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	2-HEXANONE	40	ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10	
8260D	ISOPROPYLBENZENE	700	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	2-BUTANONE (MEK)	300	ND	ug/l	10		ND	ug/l	10		1.52	ug/l	10	J	ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10	
8260D	METHYL ACETATE	7000	ND	ug/l	20		ND	ug/l	20		ND	ug/l	20		ND	ug/l	20		ND	ug/l	20		ND	ug/l	20		ND	ug/l	20		ND	ug/l	20	
8260D	METHYL CYCLOHEXANE		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	METHYLENE CHLORIDE	3	ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5	
8260D	4-METHYL-2-PENTANONE (MIBK)		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10		ND	ug/l	10	
8260D	METHYL TERT-BUTYL ETHER	70	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	C3
8260D	STYRENE	100	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	1,1,2,2-TETRACHLOROETHANE	1	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	TETRACHLOROETHENE	1	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	C3
8260D	TOLUENE	600	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		0.309	ug/l	1	J
8260D	1,2,3-TRICHLOROBENZENE		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	1,2,4-TRICHLOROBENZENE	9	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	1,1,1-TRICHLOROETHANE	30	0.676	ug/l	1	J	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	1,1,2-TRICHLOROETHANE	3	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	TRICHLOROETHENE	1	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	
8260D	TRICHLOROFLUOROMETHANE	2000	ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5	
8260D	1,1,2-TRICHLOROTRIFLUOROETHANE	20000	ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1		ND	ug/l	1	C3 J3 J4
8260D	VINYL CHLORIDE	1	ND	ug/l	1	C3	ND	ug/l	1	C3	ND	ug/l	1	C3	ND	ug/l	1	C3	ND	ug/l	1	C3	ND	ug/l	1	C3	ND	ug/l	1	C3	ND	ug/l	1	
8260D	XYLENES, TOTAL	1000	ND	ug/l	3		ND	ug/l	3		ND	ug/l	3		ND	ug/l	3		ND	ug/l	3		ND	ug/l	3		ND	ug/l	3		0.471	ug/l	3	J
8260D	NAPHTHALENE	300	ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5	
8260D	TERT-BUTYL ALCOHOL	100	ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5		ND	ug/l	5	J4
8270E	ACENAPHTHENE	400																																	
8270E	ACENAPHTHYLENE	100																																	
8270E	ACETOPHENONE	700	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	ANTHRACENE	2000																																	
8270E	ATRAZINE	3	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	BENZALDEHYDE		ND	ug/l	11.4	J4	ND	ug/l	10.2	J4	ND	ug/l	11.5	J4	ND	ug/l	10	J4	ND	ug/l	10.3	J4	ND	ug/l	10	J4	ND	ug/l	10					
8270E	BENZO(A)ANTHRACENE	0.1																																	
8270E	BENZO(B)FLUORANTHENE	0.2																																	
8270E	BENZO(K)FLUORANTHENE	0.5																																	
8270E	BENZO(G,H,I)PERYLENE	100																																	
8270E	BENZO(A)PYRENE	0.1																																	
8270E	BIPHENYL	400	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	BIS(2-CHLORETHOXY)METHANE		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	BIS(2-CHLOROETHYL)ETHER	7	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	2,2-OXYBIS(1-CHLOROPROPANE)		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	4-BROMOPHENYL-PHENYLETHER		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	CAPROLACTAM	4000	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	CARBAZOLE		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	4-CHLOROANILINE	30	ND	ug/l	11.4	J4	ND	ug/l	10.2	J4	ND	ug/l	11.5	J4	ND	ug/l	10	J4	ND	ug/l	10.3	J4	ND	ug/l	10	J4	ND	ug/l	10	J4				
8270E	2-CHLORONAPHTHALENE	600																																	
8270E	4-CHLOROPHENYL-PHENYLETHER		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	CHRYSENE	5																																	
8270E	DIBENZ(A,H)ANTHRACENE	0.3																																	
8270E	DIBENZOFURAN		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	3,3-DICHLOROBENZIDINE	30	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	2,4-DINITROTOLUENE		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	2,6-DINITROTOLUENE		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	FLUORANTHENE	300																																	
8270E	FLUORENE	300																																	
8270E	HEXACHLOROBENZENE	0.02																																	
8270E	HEXACHLORO-1,3-BUTADIENE	1	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	HEXACHLOROCYCLOPENTADIENE	40	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	HEXACHLOROETHANE	7	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	INDENO(1,2,3-CD)PYRENE	0.2																																	
8270E	ISOPHORONE	40	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	2-METHYLNAPHTHALENE	30																																	
8270E	NAPHTHALENE	300																																	
8270E	2-NITROANILINE		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	3-NITROANILINE		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	4-NITROANILINE		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	NITROBENZENE	6	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	N-NITROSODIPHENYLAMINE	10	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	N-NITROSODI-N-PROPYLAMINE	10	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	PHENANTHRENE	100																																	
8270E	BENZYLBUTYL PHTHALATE	100	ND	ug/l	3.42		ND	ug/l	3.06		ND	ug/l	3.45		ND	ug/l	3		ND	ug/l	3.09		ND	ug/l	3		ND	ug/l	3					
8270E	BIS(2-ETHYLHEXYL)PHTHALATE	3	ND	ug/l	3.42		ND	ug/l	3.06		ND	ug/l	3.45		ND	ug/l	3		ND	ug/l	3.09		ND	ug/l	3		ND	ug/l	3					
8270E	DI-N-BUTYL PHTHALATE	700	ND	ug/l	3.42		ND	ug/l	3.06		ND	ug/l	3.45		ND	ug/l	3		ND	ug/l	3.09		ND	ug/l	3		ND	ug/l	3					
8270E	DIETHYL PHTHALATE	6000	ND	ug/l	3.42		ND	ug/l	3.06		ND	ug/l	3.45		ND	ug/l	3		ND	ug/l	3.09		ND	ug/l	3		ND	ug/l	3					
8270E	DIMETHYL PHTHALATE	100	ND	ug/l	3.42		ND	ug/l	3.06		ND	ug/l	3.45		ND	ug/l	3		ND	ug/l	3.09		ND	ug/l	3		ND	ug/l	3					
8270E	DI-N-OCTYL PHTHALATE	100	ND	ug/l	3.42		ND	ug/l	3.06		ND	ug/l	3.45		ND	ug/l	3		ND	ug/l	3.09		ND	ug/l	3		ND	ug/l	3					
8270E	PYRENE	200																																	
8270E	1,2,4,5-TETRACHLOROBENZENE		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	4-CHLORO-3-METHYLPHENOL	100	ND	ug/l	11.4	J4	ND	ug/l	10.2	J4	ND	ug/l	11.5	J4	ND	ug/l	10	J4	ND	ug/l	10.3	J4	ND	ug/l	10	J4	ND	ug/l	10	J4				
8270E	2-CHLOROPHENOL	40	ND	ug/l	11.4	J4	ND	ug/l	10.2	J4	ND	ug/l	11.5	J4	ND	ug/l	10	J4	ND	ug/l	10.3	J4	ND	ug/l	10	J4	ND	ug/l	10	J4				
8270E	2-METHYLPHENOL	50	ND	ug/l	11.4	J4	ND	ug/l	10.2	J4	ND	ug/l	11.5	J4	ND	ug/l	10	J4	ND	ug/l	10.3	J4	ND	ug/l	10	J4	ND	ug/l	10	J4				
8270E	3&4-METHYL PHENOL		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	2,4-DICHLOROPHENOL	20	ND	ug/l	11.4		ND	ug/l	10.2		0.154	ug/l	11.5	J	ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	2,4-DIMETHYLPHENOL	100	ND	ug/l	11.4	J4	ND	ug/l	10.2	J4	ND	ug/l	11.5	J4	ND	ug/l	10	J4	ND	ug/l	10.3	J4	ND	ug/l	10	J4	ND	ug/l	10	J4				
8270E	4,6-DINITRO-2-METHYLPHENOL	0.7	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	2,4-DINITROPHENOL	40	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	2-NITROPHENOL		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	4-NITROPHENOL		ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	PENTACHLOROPHENOL	0.3	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10					
8270E	PHENOL	2000	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	2,4,5-TRICHLOROPHENOL	700	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E	2,4,6-TRICHLOROPHENOL	20	ND	ug/l	11.4		ND	ug/l	10.2		ND	ug/l	11.5		ND	ug/l	10		ND	ug/l	10.3		ND	ug/l	10		ND	ug/l	10	J4				
8270E-SIM	ANTHRACENE	2000	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	ACENAPHTHENE	400	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	ACENAPHTHYLENE	100	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	BENZO(A)ANTHRACENE	0.1	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	BENZO(A)PYRENE	0.1	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	BENZO(B)FLUORANTHENE	0.2	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	BENZO(G,H,I)PERYLENE	100	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	BENZO(K)FLUORANTHENE	0.5	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	CHRYSENE	5	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	DIBENZ(A,H)ANTHRACENE	0.3	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	FLUORANTHENE	300	ND	ug/l	0.1		ND	ug/l	0.1		ND	ug/l	0.1		ND	ug/l	0.1		ND	ug/l	0.1		ND	ug/l	0.1		ND	ug/l	0.1					
8270E-SIM	FLUORENE	300	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	HEXACHLOROBENZENE	0.02	ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02		ND	ug/l	0.02					
8270E-SIM	INDENO(1,2,3-CD)PYRENE	0.2	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	NAPHTHALENE	300	ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25					
8270E-SIM	PHENANTHRENE	100	0.025	ug/l	0.05	J	0.0307	ug/l	0.05	J	0.0355	ug/l	0.05	J	0.0209	ug/l	0.05	J	0.0328	ug/l	0.05	J	ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	PYRENE	200	ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05		ND	ug/l	0.05					
8270E-SIM	1-METHYLNAPHTHALENE	5	ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25					
8270E-SIM	2-METHYLNAPHTHALENE	30	ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25					
8270E-SIM	2-CHLORONAPHTHALENE	600	ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25		ND	ug/l	0.25					

Qualifiers: B: The same analyte is found in the associated blank. **C3:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. **C5:** The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result. **J:** The identification of the analyte is acceptable; the reported value is an estimate. **J1:** Surrogate recovery limits have been exceeded; values are outside upper control limits. **J2:** Surrogate recovery limits have been exceeded; values are outside lower control limits. **J3:** The associated batch QC was outside the established quality control range for precision. **J4:** The associated batch QC was outside the established quality control range for accuracy. **J5:** The sample matrix interfered with the ability to make any accurate determination; spike value is high. **J6:** The sample matrix interfered with the ability to make any accurate determination; spike value is low. **O1:** The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference. **P:** RPD between the primary and confirmatory analysis exceeded 40%. **V:** The sample concentration is too high to evaluate accurate spike recoveries.

Table 14.0
Monitoring Well Sampling Results (May 2022)
Reliable Tire, Co.
1115 Chestnut, Camden, NJ
TTI Project #20-767

Sample ID			MW-1				MW-2				MW-3				MW-4				BD5192022			
Method	Analyte	NJDEP Groundwater Quality Standards	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier	Result	Units	RDL	Qualifier
6010D	ARSENIC	0.003	ND	mg/l	0.01		ND	mg/l	0.01		ND	mg/l	0.01		ND	mg/l	0.01		0.0089	mg/l	0.01	J
6010D	IRON	0.3	2.63	mg/l	0.1		**0.0255**	mg/l	0.1	J	0.991	mg/l	0.1		19.6	mg/l	0.1		30.9	mg/l	0.1	
6010D	LEAD	0.005	ND	mg/l	0.01		ND	mg/l	0.006		ND	mg/l	0.01		0.0087	mg/l	0.01		0.0118	mg/l	0.01	
6010D	SODIUM	50	80	mg/l	3																	
6010D	BERYLLIUM	0.001					ND	mg/l	0.002		ND	mg/l	0		0.0016	mg/l	0	J	0.0018	mg/l	0	J
6010D	CHROMIUM	0.07					ND	mg/l	0.01		**0.003**	mg/l	0.01	J	**0.0248**	mg/l	0.01		**0.0373**	mg/l	0.01	
6010D	COBALT	0.1					**0.00104**	mg/l	0.01	J	**0.0014**	mg/l	0.01	J	**0.01**	mg/l	0.01	J	**0.011**	mg/l	0.01	
6010D	NICKEL	0.1					ND	mg/l	0.01		ND	mg/l	0.01		**0.0058**	mg/l	0.01	J	**0.0076**	mg/l	0.01	J
6010D	THALLIUM	0.002					ND	mg/l	0.01													
8081	HEPTACHLOR EPOXIDE	0.0002					0.00027	mg/l	5.6E-05													
8081	DECACHLOROBIPHENYL						87.9	% Rec														
8081	TETRACHLORO-M-XYLENE						67.9	% Rec														

Qualifiers: J: The identification of the analyte is acceptable; the reported value is an estimate.

Appendix C: Site Photographs

Excavation exposing the tops of AOCs 1D and 1E

Stained soils in the vicinity of the fill port of AOC D

Fill port of AOC D

Excavation daylighting AOC E

Excavation daylighting AOC E; fill port is visible

Backfilled excavations of AOCs D and E

Backfilled excavations of AOCs D and E

Additional AOC 2-1 delineation samples installed in the southeastern portion of the site

Additional AOC 2-1 delineation samples installed in the southeastern portion of the site

Additional AOC 9-1 delineation samples installed in the southeastern portion of the site

Additional AOC 9-1 delineation samples installed in the southeastern portion of the site

Appendix D: Geophysical Survey Report and Maps

GEOPHYSICAL INVESTIGATION REPORT

SITE LOCATION:

1115 Chestnut Street
Camden, New Jersey

PREPARED FOR:

TTI Environmental, Inc.
1253 North Church Street
Moorestown, New Jersey

PREPARED BY:

Mike Mesaros
Delta Geophysics Inc.
738 Front Street
Catasauqua, Pennsylvania 18032

September 22, 2020

1.0 INTRODUCTION

On September 16th 2020, Delta Geophysics personnel performed a limited geophysical investigation at 1115 Chestnut Street, Camden, New Jersey. The area of interest was all accessible areas of the property. Surface conditions consisted of tended lawn and concrete. Subsurface conditions were unknown at the time of survey.

2.0 SCOPE OF WORK

The survey was conducted to locate any unknown subsurface anomalous features consistent with UST's, former excavations, debris piles, and building foundations. A secondary objective was to locate and mark detectable underground utilities throughout all accessible areas of the property.

3.0 METHODOLOGY

Selection of survey equipment is dependent site conditions and project objectives. For this project the Geophysicist utilized the following equipment to survey the area of concern:

- Geonics EM-61 Mark II
- Geode GPS
- Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 Mhz antenna.
- Radiodetection RD7000 precision utility locator.
- Fisher TW-6

<u>Geonics EM-61 Mark II</u>

The electromagnetic (EM) method uses the principle of electromagnetic induction to measure the variability of electrical conductivity of subsurface materials. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects such as underground storage tanks, buried drums, pipelines, reinforced building foundations, or other metal components of buried structures. It is, however, equally sensitive to metal objects on the ground surface, and it is important to take careful field notes that indicate the position of surface metal to avoid misinterpretation. Instruments of this type are more sensitive to near surface features i.e., reinforced concrete and this fact may sometimes mask features underneath.

The EM-61 is used to detect both ferrous and non-ferrous metals buried in the upper 8 feet of the subsurface. The EM-61 responses are recorded and displayed by an integrated data logger as two-channel information. The bottom channel is more sensitive to metallic objects in the shallow (upper few feet) subsurface, and the differential response is more sensitive to metal objects from 3 to 8 feet below ground surface. Additionally, data can be collected in passive mode. An audible tone is emitted while the EM-61 is used in passive mode, but no data is collected. This audible tone is emitted when the EM-61 is moved over any metallic objects in the subsurface.

Geode GPS

The Geode is a single frequency GNSS/GPS receiver with carrier tracking. This system provides for real-time position data collection with an accuracy error of < 60 cm. It can be used in a wide range of applications, including utility asset management, environmental monitoring, and natural resource and land management projects. Feature and attribute data are input by Bluetooth to a hand-held data logger. The GPS tags each Geonics reading with geographic coordinate for processing and mapping purposes.

Ground Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 Mhz antenna.

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 1,000 MHz) to acquire subsurface information. Energy is propagated downward into the ground and is reflected back to the surface from boundaries at which there are electrical property contrasts. GPR is a method that is commonly used for environmental, engineering, archeological, and other shallow investigations.

The GSSI SIR-3000 GPR can accept a wide variety of antennas which provide various depths of penetration and levels of resolution. The 400 MHz antenna can achieve depths of penetration up to about 20 feet, but this depth may be greatly reduced due to site-specific conditions. Signal penetration decreases with increased soil conductivity. Conductive materials attenuate or absorb the GPR signal. As depth increases the return signal becomes weaker. Penetration is the greatest in unsaturated sands and fine gravels. Clayey, highly saline or saturated soils, areas covered by steel reinforced concrete, foundry slag, of other highly conductive materials significantly reduces GPR depth of penetration.

The GPR was configured to transmit to a depth of approximately 10 feet below the subsurface, but actual signal penetration was limited to approximately 3-5 feet below ground surface (bgs). The limiting factor was signal attenuation from near surface soils.

Radiodetection RD7000 precision utility locator.

The RD7000 precision utility locator uses radio emission to trace the location of metal bearing utilities. This radio emission can be active or passive. Active tracing requires the attachment of a radio transmitter to the utility, passive tracing uses radio emissions that are present on the utility. Underground electrical utilities typically emit radio signals that this device can detect.

Fisher TW-6

The TW-6 is designed to find pipes, cables and other metallic objects such as underground storage tanks. One surveyor can carry both the transmitter and receiver together, making it ideally suited for exploration type searches of ferrous metal masses. Metal detectors of this type operate by generating a magnetic field at the transmitter which causes metallic objects in the subsurface to generate a secondary magnetic field. The induced secondary field is detected by the receiver, which generates an audible tone equal to the strength of the secondary field.

4.0 SURVEY FINDINGS

All accessible areas throughout the property were surveyed with the EM-61 and RD-7000. All potential features of interest detected during the EM phase of the survey were later investigated with the GPR. Site data was plotted using a standard gridding method for the EM-61. The data was contoured and included as data plot (091520.1). A site utility map (091520.2) is also included.

Underground Storage Tanks

Potential UST #1 – Potential UST #1 was located with EM-61 and TW-6. It is located in the southeastern portion of the property. Approximate dimensions measured 25 feet by 8 feet. GPR transects over the area imaged a cylindrical feature at 3 to 4 feet bgs. A shallow metal cover was also detected in the middle of the anomaly. The anomaly is consistent with a UST.

Potential UST #2 – Potential UST #2 was located with EM-61 and TW-6. It is located in the southeastern portion of the property. Approximate dimensions measured 25 feet by 8 feet. GPR transects over the area imaged a cylindrical feature at 3 to 4 feet bgs. A shallow metal cover was also detected in the middle of the anomaly. The anomaly is consistent with a UST.

Potential UST #3 – Potential UST #3 was located with EM-61 and TW-6. It is located in the southeastern portion of the property. Approximate dimensions measured 25 feet by 8 feet. GPR transects over the area imaged a cylindrical feature at 3 to 4 feet bgs. A shallow metal cover was also detected in the middle of the anomaly. The anomaly is consistent with a UST.

An unknown pipe was detected traversing southwest for approximately 40 feet from all three potential UST's. This pipe has the potential to be a former product line or remote fill.

Potential UST #4 – Potential UST #4 was located with EM-61 and TW-6. It is located in the southern portion of the property. Approximate dimensions measured 30 feet by 9 feet. GPR transects over the area imaged a cylindrical feature at 3 to 4 feet bgs. The anomaly is consistent with a UST.

Potential UST #5 – Potential UST #5 was located with EM-61 and TW-6. It is located in the southern portion of the property. Approximate dimensions measured 30 feet by 9 feet. GPR transects over the area imaged a cylindrical feature at 3 to 4 feet bgs. The anomaly is consistent with a UST.

Metallic Anomalies

Metallic Anomaly #1 – Metallic Anomaly #1 was located with the EM-61 and TW-6. It is located north of potential UST #4 and #5. Approximate dimensions measured 1 foot by 1 foot. GPR transects over the area imaged soil disturbances at 1' bgs. The metallic anomaly is consistent with near surface metal debris.

Metallic Anomaly #2 – Metallic Anomaly #2 was located with the EM-61 and TW-6. It is located in the central portion of the property north of metallic anomaly #1. Approximate dimensions measured 2 feet by 2 feet. GPR transects over the area imaged soil disturbances at 1' bgs. The metallic anomaly is consistent with near surface metal debris.

Metallic Anomaly #3 – Metallic Anomaly #3 was located with the EM-61 and TW-6. It is located in the central portion of the property. Approximate dimensions measured 2 feet by 2 feet. GPR transects over the area imaged a flat feature at 1' bgs.

Metallic Anomaly #4 – Metallic Anomaly #4 was located with the EM-61 and TW-6. It is located in the northern portion of the property. Approximate dimensions measured 2 feet by 2 feet. GPR transects over the area imaged soil disturbances at 1' bgs. The metallic anomaly is consistent with near surface metal debris.

Metallic Anomaly #5 – Metallic Anomaly #5 was located with the EM-61 and TW-6. It is located in the northern portion of the property. Approximate dimensions measured 3 feet by 3 feet. GPR transects over the area imaged soil disturbances at 1' bgs. The metallic anomaly is consistent with near surface metal debris.

Elevated Soil Conductivity

EM-61 transects detected elevated levels of soil conductivity throughout the northern portion of the property. Delta also observed intermittent areas of concrete throughout the area. This area has the potential to be the location of former building foundations and / or fill material.

Utility Survey

Delta performed a utility survey across all accessible areas of the property. All utilities detected were marked onsite in pink paint. Approximate locations are depicted on the attached site map (091520.2).

5.0 SURVEY LIMITATIONS

GPR depth of penetration was limited to approximately 3 to 5 feet bgs. The limiting factor was signal attenuation from near surface soils. EM-61 was limited to within approximately 6 feet of all surface metal, including the railway in the western portion of the property.

6.0 WARRANTIES AND DISCLAIMER

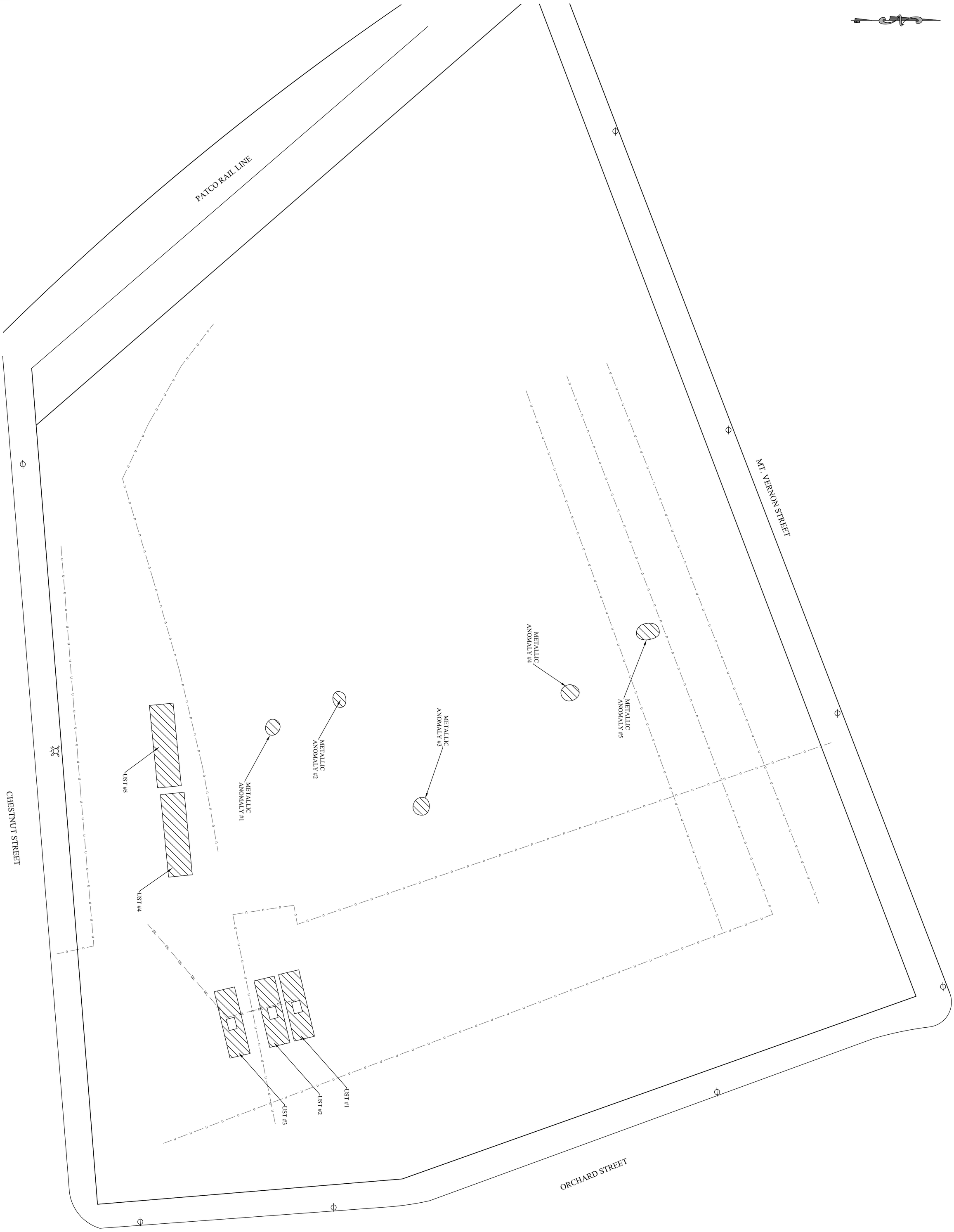
As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity to any anomalies indicated in this report. In addition, the absence of detected signatures does not preclude the possibility that targets may exist. To the extent the client desires more definitive conclusions than are warranted by the currently available facts; it is specifically Delta's intent that the conclusions stated herein will be intended as guidance.

This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limit or scope of work, budget and schedule. Delta represents that the services were performed in a manner consistent with currently accepted professional practices employed by geophysical/geological consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

This report was prepared pursuant to the contract Delta has with the Client. That contractual relationship included an exchange of information about the property that was unique and between Delta and its client and serves as the basis upon which this report was prepared. Because of the

importance of the understandings between Delta and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to Delta.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to Delta's contract with the Client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.



LEGEND

- UTILITY POLE
- UNKNOWN UTILITY
- PRODUCT LINE

NOTES:

This site plan was produced from data positioned by differential GPS measurments collected in the field. Due to the errors normally present in DGPS data, this document is not intended or represented to be of survey precision. Caution should be used in all field measurments based on this site plan.

As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity of any anomalies indicated in this document. The absence of detected signatures does not preclude the possibility that targets exist. The geophysical data and results presented in this site plan are based upon the application of scientific principles and professional judgements to certain facts with resultant subjective interpretations. Professional judgements expressed herein are based on the facts currently available within the limits of the existing data, scope of work, budget, and schedule.

Reliance or use by any such third party without explicit authorization in the document does not make said third party a third party beneficiary to Delta's contract with the client. Any such unauthorized reliance on or use of this document, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this document, are made to any such third party.

0 8 16 32 48

GRAPHIC SCALE IN FEET

GEOPHYSICAL INVESTIGATION
1115 CHESTNUT STREET, CAMDEN, NEW JERSEY
FOR
TTI ENVIRONMENTAL

DRAWN BY: MIKE MESAROS
CHECKED BY:
DATE: 09-16-20
SCALE: 1" = 16'
DRAWING NO.: 091620.2
SHEET NO.: 2 OF 2
PROJECT NO.:

DELTA Geophysics Inc.
738 Front Street, Catasauqua, PA 18032
Phone: (610) 231-73012

DATE	DESCRIPTION	REV.
	REVISIONS	

NEW JERSEY STATE PLANE NORTHING

401480 401470 401460 401450 401440 401430 401420 401410 401400 401390 401380 401370 401360 401350 401340 401330 401320 401310 401300 401290 401280 401270 401260 401250 401240 401230 401220 401210 401200 401190 401180 401170 401160 401150 401140

321230 321240 321250 321260 321270 321280 321290 321300 321310 321320 321330 321340 321350 321360 321370 321380 321390 321400 321410 321420 321430 321440 321450 321460 321470 321480 321490 321500 321510 321520 321530 321540 321550 321560 321570 321580 321590 321600 321610 321620 321630 321640 321650 321660

NEW JERSEY STATE PLANE EASTING

MT VERNON STREET

ORCHARD STREET

PATCO RAIL LINE

CHESTNUT STREET

ELEVATED SOIL CONDUCTIVITY

METALLIC ANOMALY #5

METALLIC ANOMALY #4

UNKNOWN UTILITY

METALLIC ANOMALY #3

METALLIC ANOMALY #2

METALLIC ANOMALY #1

UST #1

UST #2

UST #3

UST #4

UST #5

REINFORCED CONCRETE IN SIDEWALL

MILLIVOLTS (mV)

-300 -80 -20 40 100 160 200 230 280 350 500 650 900 1300 1900 2500

GRAPHIC SCALE IN FEET

0 4 8 12 16 24 32 48

DELTA Geophysics Inc.
738 Front Street, Catasaqua, PA 18032
Phone (610) 231-3701 Fax (610) 231-3703

REVISIONS

GEOPHYSICAL INVESTIGATION, EM-61 DATA PLOT
1115 CHESTNUT STREET, CAMDEN, NEW JERSEY
FOR
TTI ENVIRONMENTAL

DRAWN BY M. MESAROS
DATE 16 SEPT 2020
CHECKED BY
SCALE 1" = 16'
DRAWING 091620.1
SHEET NO. 1 of 2
PROJECT

Appendix E: SPLP Calculations

NJDEP 2021 SPLP Spreadsheet

Case name/area of concern:
Case number:
Sampling date:

CALCULATE SITE SPECIFIC MGW

Reset Spreadsheet

Instructions

CLICK HERE if chemical is not on drop-down list, or to enter alternate GWRS

Back to MGW Site-Specific Menu

Exit

Contaminant: Mercury (total)

CAS No:	7439-97-6
Water solubility (mg/L)	NA
Aqueous reporting limit (µg/L):	5.00E-02
Soil reporting limit (mg/kg):	1.00E-01
Ground Water Remediation Std (µg/L)	2.00E+00
DAF (20, or site-specific if approved):	**20**
Leachate Standard (µg/L):	4.00E+01
Henry's law constant (dimensionless):	0.00E+00

NOTE:
USE ONE PAGE PER CONTAMINANT, do not leave empty rows between samples
Do not enter samples with soil concentrations at or below the soil reporting limit
SPLP leachate concentrations may be entered down to the detection limit, but see guidance
Enter site-specific dilution-attenuation factor (DAF) if desired

Data entry cells (do not skip rows)
Optional data entry
Calculated or locked cells
Indicates that Alternative Remediation Standard needs to be recalculated

Sample ID	Soil sample weight (kg)	Leachate Volume (L)	Total Soil Concentration (mg/kg)	SPLP Leachate Concentration (µg/L)	Final pH of Leachate (except VOCs)	Optional data				Kd (L/kg)	% Contaminant in Leachate	Field leachate concentration (µg/L)	Pass or fail?
						Sampling Depth (ft)	Soil Type	Organic Carbon (mg/kg)	Organic Carbon (%)				
AOC9-1R-W1	0.1	2	0.067	0.00013	9.49					515365	0.00	0.00	PASS
AOC9-1R@3-3.5	0.1	2	0.119	0.0001	9.86					1189980	0.00	0.00	PASS
AOC9-1R-S1	0.1	2	0.293	0.00016	7.5					1831230	0.00	0.00	PASS

SPLP RESULTS for

OPTION 1a: All adjusted leachate concentrations are below the leachate criterior

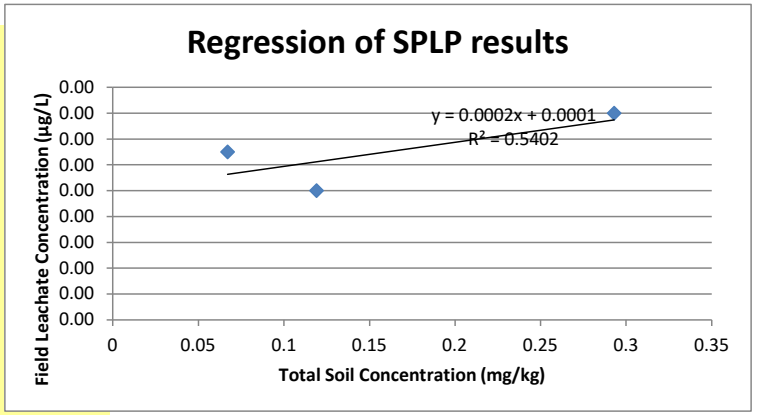
REMEDIATION STANDARD = 0.293 mg/kg

OPTION 1b: Simple inspection of tabulated results to find highest acceptable standard
EVERYTHING PASSED, OPTION 1b NOT VALID

OPTION 2: Remediation standard using site-specific Kd value
Kd ratio = 3.55, AVERAGING Kds OK
Kd USED FOR CALCULATING STANDARD = 1178858.2051 L/kg
result before rounding = 47154.3343 mg/kg
REMEDIATION STANDARD = 0.29 mg/kg (controlled by maximum soil concentration)

OPTION 3: Remediation standard using linear regression

Soil concentration midrange = .18
Number of points above midrange = 1
Enough points above midrange? NO
R-Square high enough? NO
Leachate criterion within range of leachate concentrations? NO
OPTION 3 NOT VALID



Appendix F: Soil Boring Logs

TTI Environmental, Inc.

1253 N. Church St., Moorestown, New Jersey 08057

Office: 856.840.8800
Fax: 856.840.8814

BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill with coal and brick	
2		0.0		
3		0.0		
4		0.0		
5		0.0	Sand with rounded pebbles	
6	4.0	0.0	Tan sand with rounded pebbles	
7		0.0		
8		0.0	Plastic silt damp	
9		0.0	Coarse grained sand	
10		0.0		
11	4.0	0.0		AOC1-1 @ 12-12.5 @ 9:20
12		0.0		wet @ 12.5
13		0.0		
14		0.0		
15		0.0		

Notes:		bgs	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

TTI Environmental, Inc.

1253 N. Church St., Moorestown, New Jersey 08057

Office: 856.840.8800
Fax: 856.840.8814

BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill with coal and brick	
2		0.0		
3		0.0	Sandy silt	
4		0.0		
5		0.0		
6	4.0	0.0	Tan sand with rounded pebbles	
7		0.0		
8		0.0	Plastic silt damp	
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-2 @ 12-12.5 wet @ 12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-3**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill with coal and brick	
2		0.0		
3		0.0		
4		0.0	Coarse sand	
5		0.0		
6	4.0	0.0	Coarse sand with rounded pebbles	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-3 @ 13-13.5 wet @ 13.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-4**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0	Sandy silt with rounded pebbles	
4		0.0		
5		0.0	Coarse graine sand with rounded pebbles	
6	4.0	0.0	Tan with rounded pebbles	
7		0.0		
8		0.0	Plastic sand damp	
9		0.0	Coarse grained sand	
10		0.0		
11	4.0	0.0		AOC1-4 @ 11-11.5 @ 9:52
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-5**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0	Fine-grained sand	
4		0.0		
5		0.0	Plastic silt	
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-5 @12-12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-6**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Plastic silt	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-6 @ 12-12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-7**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0	Coarse grained sand	
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand with pebbles	AOC1-6 @ 12-12.5 @10:20
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-8**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0	Fine grained sand	
4		0.0		
5		0.0		
6	4.0	0.0	Plastic silt	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-8 @12-12.5 @ 10:40 wet @ 12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-9**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0	Silty sand	
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grained sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-9 @ 12-12.5 Wet at 12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-10**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grained sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0		AOC1-10 @ 12-12.5 Wet at 12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-11**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Silty sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-11 @ 11.5-12 @ 11:00 wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-12**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-12 @ 11.5-12 @ 11:10 wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-13**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grained sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-13 @ 12-12.5 Wet at 12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-14**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grianed sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0		AOC1-14 @ 13-13.5 Wet at 13.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-15**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0	Silty sand	
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grained sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-15 @ 11.5-12 @ 12:20 wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-16**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grained sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-16 @ 11-11.5 @ 12:27 wet @ 11.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-17**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0	Fine grained sand	
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-17 @ 11.5-12 @ wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-18**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0	Fine grained sand	
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-18 @ 10.5-11 @ wet @ 11
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-19**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0	Fine grained sand	
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grained sand	AOC1-19 @ 11.5-12 @ 12:49 wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-20**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grianed sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0		AOC1-20 @ 10.5-11 @ 12:55 wet @ 11
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-21**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0	Fine grain sand	
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC1-21 @ 12-12.5 @ 13:05 wet @ 12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-22**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC1-22 @ 12-12.5 @ wet @ 12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-23**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0	Fine grain sand	
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0		
12		0.0	Coarse grain sand	AOC1-23 @ 12-12.5 @ wet @ 12.5
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-24**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0	Fine grain sand	
10		0.0		
11	4.0	0.0		AOC1-24 @ 11.5-12 @ wet @ 12
12		0.0	Coarse grain sand	
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-25**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0	Silty sand	
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Fine grain sand	AOC1-25 @ 10.5-11 @ 14:05 wet @ 11
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-26**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	No return	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC1-26 @ 10.5-11 @ 14:15 wet @ 11
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-27**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill material	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Silty sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain snad	AOC1-27 @ 10.5-11 @ wet @ 11
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-28**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/26/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0	Silt	
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grain sand	
7		0.0		
8		0.0	Fill	
9		0.0	silt	
10		0.0		
11	4.0	0.0	Coarse grain snad	AOC1-28 @ 11.5-12 Wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-29**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grain sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain snad	AOC1-29 @ 11.5-12 @ 8:25 Wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-30**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0	Fine grain sand	
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain snad	AOC1-30 @ 11.5-12 @ Wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-31**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine frain sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0	Silt	
11	4.0	0.0		AOC1-31 @ 11.5-12 @ Wet @ 12
12		0.0		
13		0.0	Coarse grain sand	
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-32**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0	Concrete	
6	4.0	0.0	Fine frain sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC1-32 @ 12.5-13 @ 9:00 Wet @ 13
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC1-33**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0	fine grain sand	
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand with stones	AOC1-33 @ 12-12.5 @ 9:10
12		0.0		wet @ 12.5
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC7-1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	smooth grain sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0		AOC7-1 @ 11-11.5 @ Wet @ 11.5
12		0.0		
13		0.0		
14		0.0	Coarse grain sand	
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC6-1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0	Fine grain sand	
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0	gray silt	
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC6-1 @ 10.5-11 @ Wet @ 11
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC6-2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0	Fine grain sand	
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0	gray silt	
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC6-2 @ 11-11.5 @ 9:45 Wet @ 11.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC6-3**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0	Fine grain sand	
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0	gray silt	
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC6-3 @ 11.5-12 @ 9:52 Wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC6-4**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0	Fine grain sand	
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0	gray silt	
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC6-4 @ 11.5-12 @ 10:02 Wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC6-5**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0	Fine grain sand	
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0	gray silt	
10		0.0		
11	4.0	0.0	Coarse grain sand	No sample Wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC7-2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0	Smooth grain sand	
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0		AOC7-2 @ 12-12.5 @ Wet @ 12.5
12		0.0		
13		0.0	Coarse grain sand	
14		0.0		
15		0.0		

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC8-1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0	Smooth grain sand	
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC8-1 @ 12.5 -13 @ Wet @ 13
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC10-1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC10-1 @ 13-13.5 @ 10:55 Wet @ 13.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC8-2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grain snad	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC8-2 @ 11.5-12 @ 11:05 Wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC10-2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0	Gray silt	
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC10-2 @ 13-13.5 @ 11:45 Wet @ 13.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC8-3**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grain sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC8-3 @ 13.5-14 @ Wet @ 14
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC8-4**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Silt	
7		0.0	Fine grain sand	
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC8-4 @ 13-13.5 @ Wet @ 13.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC8-5**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0	Silt	
5		0.0		
6	4.0	0.0	Smooth grain sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC8-5 @ 13.5-14 @ 12:45
12		0.0		Wet @ 14
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC8-6**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Smooth grain sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC8-5 @ 13.5-14 @ 12:55
12		0.0		Wet @ 14
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC8-7**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0	Smooth grain sand	
10		0.0		
11	4.0	0.0		
12		0.0		
13		0.0	Coarse grain sand	AOC8-7 @ 13-13.5 @ Wet @ 13.5
14		0.0		
15		0.0		

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC8-8**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/27/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0	Smooth grain sand	
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC8-8 @ 12.5-13 @ Wet @13
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC8-9**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/28/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0	Fine sand	
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC8-9 @ 13-13.5 @ Wet @ 13.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC8-10**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/28/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0	Fine sand	
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Silt	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC8-10 @ 13-13.5 @ Wet @ 13.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC10-3**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/28/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0	Fine sand	
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0	Coarse grain sand with round pebbles	
11	4.0	0.0		
12		0.0		
13		0.0		AOC10-3 @ 12.5-13 @ 9:45 Wet @ 13
14		0.0		
15		0.0		

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC10-4**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/28/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine grain sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse grain sand	AOC 10-4 @ 12-12.5 @ 9:55 Wet @ 12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC10-5**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/28/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse sand	AOC10-5 @ 11-11.5 @ Wet @ 11.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC2-1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/28/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	5.2	Fill	AOC2-1 @ 1-1.5 @ 10:13
2		0.0		
3		3.0		
4		0.0		
5		1.4	Silt	
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0	Fine sand	
11	4.0	0.0		Wet @ 11.5
12		0.0		
13		0.0		
14		0.0		
15		0.0	Coarse sand	

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC2-2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/28/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	gray silt	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Fine sand	AOC2-2 @ 11.5-12 @ 10:24 Wet @ 12
12		0.0		
13		0.0		
14		0.0	Coarse sand	
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC10-6**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/28/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse sand	AOC10-6 @ 11.5-12 @ Wet @ 12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC10-7**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/28/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	
2		0.0		
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0	Fine sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Coarse sand	AOC10-7 @ 12-12.5 @ Wet @ 12.5
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	4/28/2021
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Envrionmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
	4.0	0.0	Coal	AOC9-1 @ 0-0.5

Notes:		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC2-2-E2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.5	Top Soil	
2		1.2	Fill (brick, coal)	
3		0.0		
4		0.0	Brown sandy silt	
5		0.0		
6	4.0	0.0	gray-brown silty sand	
7		0.0		
8		0.4		
9		0.0		
10		0.0		
11	4.0	0.0	Orange-brown sand	AOC2-2-E2 @ 11.5-12 @ 9:12
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC2-2-E1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Top Soil	
2		0.0	Fill (brick, coal)	
3		0.0		
4		0.0	Brown sandy silt	
5		0.0		
6	4.0	0.0	gray-brown silty sand	
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	Orange-brown sand	AOC2-2-E1-S @ 11.5-12 @ 9:22 AOC2-2-E1-D @ 9:25
12		0.0		
13		0.0		
14		0.0		
15		0.0		

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC2-2-S2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Top soil	
2		0.0	Fill	
3		0.0		
4		0.0	brown sandy silt	
5		0.0		
6	4.0	0.0	gray-brown silty sand	
7		0.0		
8		0.0		
9		0.0	gray silt	
10		0.0		
11	4.0	0.0		AOC2-2-S2 @11.5-12 @ 9:32
12		0.0	tan silty sand	
13		0.0		
14		0.0	orange brown sand	
15		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC2-2-S1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (brick, stone)	
2		0.0		
3		0.0	gray-brown sandy silt	
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0		
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	brown sand	AOC2-2-S1 @11.5-12 @ 9:39
12		0.0		
13		0.0		
14		0.0	orange-brown sand	
15		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC2-2-W2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (brick, stone)	
2		0.0		
3		0.0	Brown sand	
4		0.0		
5		0.0	Brown-gray silt	
6	4.0	0.0		
7		0.0		
8		0.0	Brown silty sand	
9		0.0		
10		0.0		
11	4.0	0.0	brown sand	AOC2-2-W2 @11.5-12 @ 9:46
12		0.0		
13		0.0		
14		0.0	orange-brown sand	
15		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC2-2-W1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (brick, stone)	
2		0.0	gray-brown silt	
3		0.0		
4		0.0		
5		0.0		
6	4.0	0.0		
7		0.0	Brown silty sand	
8		0.0		
9		0.0		
10		0.0		
11	4.0	0.0	brown sand	AOC2-2-W2 @11.5-12 @ 9:52
12		0.0		
13		0.0		
14		0.0	orange-brown sand	
15		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1-W2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (ash, brick)	AOC 9-1-W2 @ 0-0.5 @ 10:05
2		0.0		
3		0.0	brown sand	
			coal sand mixture	
4		0.0	Brown silt	
5		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1-W1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (ash, brick)	AOC 9-1-W1 @ 0-0.5 @ 10:07
2		0.0		
3		0.0	Brown-black silty sand	
4		0.0		
5		0.0		

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1-N2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (ash, brick)	AOC 9-1-N2 @ 0-0.5 @ 10:10
2		0.0		
3		0.0	Brown-black silty sand	
4		0.0		
5		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1-N1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (ash, brick)	AOC 9-1-N1 @ 0-0.5 @ 10:14
2		0.0		
3		0.0	Brown-black silty sand	
4		0.0		
5		0.0		

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1-E2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (ash, brick)	AOC 9-1-E2 @ 0-0.5 @ 10:17
2		0.0		
3		0.0	Brown-black silty sand	
4		0.0		
5		0.0		

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1-E1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (ash, brick)	AOC 9-1-E1-S @ 0-0.5 @ 10:22
2		0.0		
3		0.0	Brown-black silty sand	
4		0.0		
5		0.0		AOC9-1-E1-O @ 4.5-5 @ 10:23

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1-S1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (ash, brick)	AOC 9-1-S1 @ 0-0.5 @ 10:26
2		0.0	Brown silty sand	
3		0.0		
4		0.0		
5		0.0		

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1-S2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill (ash, brick)	AOC 9-1-S2 @ 0-0.5 @ 10:30
2		0.0	Brown silty sand	
3		0.0		
4		0.0		
5		0.0		

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-6-W2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Top soil/ fill	TP-6-W2 @ 3-3.5 @ 10:43
2		0.0	Brown silty sand	
3		0.0		
4		0.0	fill mixed with sand	
5		0.0	Brown sand	

Notes		bgs	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-6-W1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-6-W1 @ 3-3.5 @ 10:46
2		0.0		
3		0.0		
4		0.0		
5		0.0		

Notes		bgs	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-6-S2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Top soil/ fill	TP-6-S2 @ 3-3.5 @ 10:50
2		0.0	Brown silty sand	
3		0.0		
4		0.0	fill mixed with sand	
5		0.0	Brown sand	

Notes		bgs	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-6-S1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Top soil/ fill	TP-6-S1 @ 3-3.5 @ 10:54
2		0.0	Brown silty sand	
3		0.0		
4		0.0	fill mixed with sand	
5		0.0	Brown sand	

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-6-E1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Top soil/ fill	
2		0.0	Brown silty sand	
3		0.0		
4		0.0	fill mixed with sand	TP-6-E1-S @ 3-3.5 @ 10:57
5		0.0	Brown sand	TP-6-E1-D @ 4.5-5 @ 10:59

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-6-E2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-6-E2 @ 3-3.5 @ 11:05
2		0.0		
3		0.0	gray clayey silt	
4		0.0		
5		0.0	Orange brown sand	

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-6-N1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-6-N1 @ 3-3.5 @ 11:15
2		0.0		
3		0.0		
4		0.0	Orange brown sand	
5		0.0		

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-6-N2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-6-N2 @ 3-3.5 @ 11:19
2		0.0		
3		0.0	Brown silty sand	
4		0.0		
5		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-4-W2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-4-W2 @ 0.5-1 @ 11:32
2		0.0		
3		0.0	Brown sand	
4		0.0		
5		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-4-W1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-4-W1 @ 0.5-1 @ 11:35
2		0.0		
3		0.0	Brown silty sand	
4		0.0		
5		0.0		

Notes		bgs	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-4-S1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-4-S1 @ 0.5-1 @ 11:38
2		0.0		
3		0.0	Brown silty sand	
4		0.0		
5		0.0		

Notes		bgs	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-4-S2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-4-S2 @ 0.5-1 @ 11:42
2		0.0		
3		0.0	Brown sand	
4		0.0		
5		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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Fax: 856.840.8814

BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-4-E1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-4-E1-S @ 0.5-1 @ 11:45
2		0.0	Brown sand	
3		0.0		
4		0.0		
5		0.0		TP-4-E1-D @4.5-5 @ 11:46

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-4-E2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-4-E2 @ 0.5-1 @ 11:49
2		0.0		
3		0.0	Brown sand	
4		0.0		
5		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**TP-4-N1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	6/9/2022
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Fill	TP-4-N1 @ 0.5-1 @ 11:53
2		0.0		
3		0.0	Brown sand	
4		0.0		
5		0.0		

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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Fax: 856.840.8814

BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	
2		0.0		
3		0.0		Sample collected @ 3-3.5 @ 9:27
4		0.0		
5		0.0	Brown silty sand	Sample collected @ 4-4.5 @ 9:29
6	4.0	0.0	Brown silty sand moist	Sample collected @ 5-5.5 @ 9:31
7		0.0		
8		0.0		Sample collected @ 8-8.5 @ 9:33
9		0.0		
10		0.0	Brown silty sand with pebbles	
11	4.0	0.0		Sample collected @ 10-10.5 @ 9:34
12		0.0		Sample collected @ 11.5-12 @ 9:35
13		0.0		
14		0.0		
15		0.0		

Notes			
Casing	5-foot, 2-inch macro-cores with liners	**bgs**	below ground surface
Groundwater Level	NA	**PID**	photoionization detector
		ppm	parts per million

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Fax: 856.840.8814

BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-N1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 9:55
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-N2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 9:50
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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Fax: 856.840.8814

BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-N3**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 9:43
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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Fax: 856.840.8814

BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-E1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 10:08
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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Fax: 856.840.8814

BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-E2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 10:05
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-E3**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 10:00
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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Fax: 856.840.8814

BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-S1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 10:17
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-S2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 10:15
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-S3**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 10:10
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-W1**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 9:39
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-W2**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 9:36
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-W3**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 9:15
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-W4**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 9:10
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

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Fax: 856.840.8814

BORING LOG

Site Name	Camden Redevelopment Agency	**Boring ID**	**AOC9-1R-W5**
Address	1115 Chestnut Street	**Permit No**	NA
City	Camden	**Date Drld**	
State	New Jersey	**Method**	Direct Push
Project No	20-763	**Driller**	B Environmental

Depth (feet bgs)	Recovery (feet)	PID (ppm)	DESCRIPTION	REMARKS
1	4.0	0.0	Brown silty sand mixed with brick and stones	Sample collected @ 0-0.5 @ 9:03
2		0.0		
3		0.0		
4		0.0		
5		0.0	Brown silty sand	

Notes		**bgs**	below ground surface
Casing	5-foot, 2-inch macro-cores with liners	**PID**	photoionization detector
Groundwater Level	NA	**ppm**	parts per million

Appendix G: Receptor Evaluation

New Jersey Department of Environmental Protection
Site Remediation and Waste Management Program

RECEPTOR EVALUATION (RE) FORM

Date Stamp
(For Department use only)

SECTION A. SITE

Site Name: _____

Program Interest (PI) Number(s): _____

Communication Center Number(s) and/or ISRA number(s) for this submission: (as *many as will fit in the space provided)*

_____

This form must be attached to the Cover/Certification Form if not submitted through a Remedial Phase Online Service

Indicate the type of submission:

☐ Initial RE Submission

☐ Updated RE Submission

Indicate the reason for submission of an updated RE form

- ☐ Submission of an Immediate Environmental Concern (IEC) source control report;
- ☐ Submission of a Remedial Investigation Report;
- ☐ Submission of a Remedial Action Report;

Check if included in updated RE

- ☐ The known concentration or extent of contamination in any medium has increased;
- ☐ A new AOC has been identified;
- ☐ A new receptor is identified;
- ☐ A new exposure pathway has been identified.

SECTION B. ON SITE AND SURROUNDING PROPERTY USE

1. Identify any sensitive populations/uses that are currently on-site or surrounding property usage within 200 feet of the site property boundary (*check all that apply*):

	On-site	Off-site
None of the following	☐	☐
Residences or residential property	☐	☐
Public or Private Schools Grades K-12	☐	☐
Child care centers	☐	☐
Public parks, playgrounds or other recreation areas	☐	☐
Other sensitive population use(s) Explain _____	☐	☐

If any of the above applies, attach a list of addresses, facility names, type of use, and a map depicting each location relative to the site.

2. Current site uses (*check all that apply*):

☐ Industrial	☐ Residential	☐ Commercial
☐ School or child care	☐ Government	☐ Park or recreational use
☐ Vacant	☐ Agricultural	☐ Other: _____

3. Planned future on-site uses and off-site uses within 200 feet of the site boundary (*check all that apply*):

On-Site	Off-Site		On-Site	Off-Site		On-Site	Off-Site	
☐	☐	Industrial	☐	☐	Residential	☐	☐	Commercial
☐	☐	School or child care	☐	☐	Government	☐	☐	Park or recreational use
☐	☐	Vacant	☐	☐	Agricultural	☐	☐	Other: _____

Provide a map depicting the location of the proposed changes in land use. Attachment A

SECTION C. DESCRIPTION OF CONTAMINATION

1. Identify if any of the following exist at the site:

Yes	No	
☐	☐	Free product [N.J.A.C. 7:26E-1.8] identified is ☐ LNAPL* or ☐ DNAPL**.
		Date identified: _____
☐	☐	Residual product [N.J.A.C. 7:26E-1.8]
☐	☐	Other primary source materials not identified above (e.g., buried drums, containers, unsecured friable asbestos). See form instructions for additional information.
		Explain: _____

* LNAPL – measured thickness of .01 feet or more

**DNAPL – See *Ground Water Technical Guidance* and *USEPA Assessment and Delineation of DNAPL Source Zones at Hazardous Waste Sites* (attached as Appendix A of the NJDEP GW Guidance) available at: http://www.nj.gov/dep/srp/guidance/#pa_si_ri_gw. Also, see US EPA DNAPL Overview available at: http://cluin.org/contaminantfocus/default.focus/sec/Dense_Nonaqueous_Phase_Liquids_(DNAPLS)/cat/Overview

2. Soil Migration Pathway

Has soil contamination been delineated to the applicable Direct Contact Soil Remediation Standard pursuant to N.J.A.C. 7:26E-4.2? ..... ☐ Yes ☐ No

Are all soils either below the applicable Direct Contact Criteria or under an institutional control (i.e. deed notice)? ..... ☐ Yes ☐ No

3. If this evaluation is submitted with a technical document that includes contaminant summary information, proceed to Section D. Otherwise, attach a brief summary of all currently available data and information to be included in the site investigation or remedial investigation report.

SECTION D. GROUND WATER USE

1. Have all potentially contaminated areas of concern been evaluated to determine if there is a potential that ground water is contaminated pursuant to N.J.A.C. 7:26E-3.5? ..... ☐ Yes ☐ No

   If "**No**," proceed to Section E.

2. Is a ground water investigation required? ..... ☐ Yes ☐ No

   If "**No**," proceed to Section E.

3. Has a groundwater investigation been conducted? ..... ☐ Yes ☐ No

   If "**Yes**":
   Has the laboratory data package been received? ..... ☐ Yes ☐ No

   If the laboratory data package has not been received, provide the expected due date for data: _____ and proceed to Section E.

   If "**No**":
   Proceed to Section E.

4. Is ground water contaminated above the Ground Water Remediation Standards [N.J.A.C.7:9C]? ..... ☐ Yes ☐ No

   If "**Yes**": Provide the date that the laboratory data package was available and confirmed contamination was identified above the Ground Water Remediation Standards. Date: _____

   If "**No**": Proceed to Section E.

5. Has ground water contamination been delineated to the applicable Remediation Standard pursuant to N.J.A.C 7:26E-4.3? ..... ☐ Yes ☐ No

6. What is the ground water classification for this site as per N.J.A.C. 7:9C? (*check all that apply*)

☐ Class I-A	☐ Class II-A
☐ Class I-PL Pinelands Protection Area	☐ Class III-A
☐ Class I-PL Pinelands Preservation Area	☐ Class III-B

7. Has a well search been completed?..... ☐ Yes ☐ No

Date of most recent or updated well search: _____

8. Is a completed Well Search Spreadsheet or historical well search table attached and has an electronic copy of the spreadsheet been submitted to srpgis_wrs@dep.nj.gov. ..... ☐ Yes ☐ No

Note: Redacted wells must be excluded from all non-confidential documents including maps, tables, etc. (see RE Instructions).

If "**No**," explain:_____

9. Are any potable or irrigation wells located within ½ mile of the currently known extent of contamination? ..... ☐ Yes ☐ No

If "**Yes**,": See Attachment D9

- A door to door survey is required in accordance with [N.J.A.C.7:26E-1.14(a)ii]. Attach results of the door to door survey.
- Identify if any of the following conditions exist based on the well search and door to door survey [N.J.A.C.7:26E-1.14(a)]:

Yes	No	
☐	☐	Potable wells located within 500 feet from the downgradient edge of the currently known extent of contamination.
☐	☐	Potable wells located 250 feet upgradient or 500 feet side gradient of the currently known extent of contamination.
☐	☐	Ground water contamination from the discharge is located within a Tier 1 wellhead protection area (WHPA).

10. Has sampling been conducted of ☐ potable well(s) and /or ☐ non-potable use well(s)? ..... ☐ Yes ☐ No

If "No," provide justification then proceed to Question 12.

_____

11. Has contamination been identified in potable well(s), **not attributed to background conditions**, above the Class II Ground Water Remediation Standards or State Safe Drinking Water levels, N.J.A.C 7:1E, whichever is applicable? ..... ☐ Yes ☐ No

If "**Yes**":

- Provide the date laboratory data package was received: _____
- Follow the **IEC** Guidance Document at http://www.nj.gov/dep/srp/guidance/IEC/index.html for required actions and answer the following:
- Has an engineered system response action been completed on all impacted receptors? ..... ☐ Yes ☐ No
  Provide a brief narrative description:

Date completed: _____ NJDEP Case Manager: _____

12. Has contamination been identified in non-potable well(s), **not attributed to background conditions**, above the Class II Ground Water Remediation Standards?..... ☐ Yes ☐ No

If "**Yes**," provide the date laboratory data package was received: _____

13. Has the ground water use evaluation been completed pursuant to N.J.A.C. 7:26E-1.14? ..... ☐ Yes ☐ No

SECTION E. VAPOR INTRUSION (VI)

1. Indicate if any of the following conditions exist that trigger a Vapor Intrusion investigation. For each condition checked "Yes", provide the date the condition was first identified (e.g. date laboratory data package was available). (*see NJDEP Vapor Intrusion Technical Guidance*)

Yes	No		Date Condition First Identified
☐	☐	Ground water contamination in excess of the NJDEP Vapor Intrusion Ground Water Screening Levels (VIGWSL) and within 30 feet of a building for Petroleum Hydrocarbon Compounds (PHC) or 100 feet for non-PHC compounds ..	_____
☐	☐	Free product within 30 feet of a building for PHC or 100 feet for non-PHC compounds	_____
☐	☐	Soil gas contamination detected at concentrations that exceed the Soil Gas Screening Levels (SGSL)	_____
☐	☐	Indoor air contamination that exceeds the Indoor Air Screening Levels	_____
☐	☐	Wet basement or sump containing free product or ground water containing detectable concentration of volatile organic contaminants	_____
☐	☐	Methane generating conditions causing oxygen deficient or explosion concern	_____
☐	☐	Other human or safety concern from the VI pathway (i.e. elemental mercury, unsaturated soil contamination), *explain below:*	_____

If you checked "No" to <u>all</u> boxes in Question 1., proceed to Section F, "Ecological Receptors", otherwise complete the rest of this section.

2. Has ground water contamination been delineated to the applicable Vapor Intrusion Ground Water Screening Levels pursuant to N.J.A.C 7:26E-4.3? ..... ☐ Yes ☐ No

3. Was a site-specific screening level, modeling or other alternative approach employed for the VI pathway? ..... ☐ Yes ☐ No

4. Identify and locate, on a scaled map, any buildings/sensitive populations that exist within the following distances from ground water contaminant concentrations above the Vapor Intrusion Ground Water Screening Levels or other specific triggers noted in Question 1 above.:

Yes	No	
☐	☐	30 feet of petroleum free product or dissolved petroleum hydrocarbon contamination in ground water
☐	☐	100 feet of any non-petroleum free product (e.g. chlorinated hydrocarbons) or any non-petroleum dissolved volatile organic ground water contamination
☐	☐	Other specific triggers
☐	☐	No buildings exist within the specified distances or other specific triggers

5. Is the vapor intrusion pathway a concern at or adjacent to the site? (if "No," attach justification) ..... ☐ Yes ☐ No

6. Has soil gas sampling of the building(s) been conducted? ..... ☐ Yes ☐ No

   If "**Yes**," has the laboratory data package been received? ..... ☐ Yes ☐ No

      If the data package was received, did constituents exceed the Soil Gas Screening Levels? ..... ☐ Yes ☐ No

   If "**No**," attach technical justification consistent with the NJDEP Vapor Intrusion Technical Guidance.

7. Has indoor air sampling been conducted at the identified building(s)? ..... ☐ Yes ☐ No

   If "**Yes**," has the laboratory data package been received? ..... ☐ Yes ☐ No

      If the data package has been received, did constituents exceed the Indoor Air Screening Levels? .. ☐ Yes ☐ No

   If "**No**," or awaiting indoor air laboratory data package, proceed to Question 12.

8 Has indoor air contamination been identified but not suspected to be from a discharge? (if "**Yes**," attach justification) ..... ☐ Yes ☐ No

9. Were indoor air results above the NJDEP's Rapid Action Levels? ..... ☐ Yes ☐ No

If "**Yes**":

- Provide the date laboratory data package was received: _____
- Follow the **IEC** Guidance Document at http://www.nj.gov/dep/srp/guidance/index.html#iec for required actions and answer the following:
- Was the IEC engineering system response for control implemented for all impacted structures? ..... ☐ Yes ☐ No

  Date implemented: _____ NJDEP Case Manager: _____

10. Were the results of indoor air sampling above the NJDEP's Indoor Air Screening Levels but at, or below, the Rapid Action Levels ..... ☐ Yes ☐ No

If "**Yes**," answer the following:

- Provide the date laboratory data package was received: _____
- Has the Vapor Concern (VC) Response Action Form notifying the NJDEP of the exceedances been submitted? ..... ☐ Yes ☐ No

  Date: _____
- Has a plan to mitigate and monitor the exposure been submitted? ..... ☐ Yes ☐ No

  Date: _____
- Has the Mitigation Response Action Report been submitted? ..... ☐ Yes ☐ No

  Date: _____

11. Do one or more buildings have an Indeterminate VI Pathway status? ..... ☐ Yes ☐ No

If "**Yes**," attach a list of the building(s) with address(s) and block/lot(s)

12. Has the vapor intrusion investigation been completed? ..... ☐ Yes ☐ No

If "**No**", is the vapor intrusion investigation stepping out as part of the site investigation or remedial investigation. (If "No," attach justification) ..... ☐ Yes ☐ No

SECTION F. ECOLOGICAL RECEPTORS

1. Has an Ecological Evaluation (EE) been conducted? [N.J.A.C. 7:26E-1.16] ..... ☐ Yes ☐ No

   Date conducted: _____

2. Are any site-related contaminants above any Ecological Screening Criteria? ..... ☐ Yes ☐ No
3. Are there any Environmentally Sensitive Natural Resources (ESNRs) on or adjacent to the site, or potentially impacted by site related contamination? [N.J.A.C. 7:26E-1.16] ..... ☐ Yes ☐ No
4. Do any potential or complete migration pathways exist between Contaminant of Potential Ecological Concern (COPECs) and ESNRs, or did historic migration pathways exist? ..... ☐ Yes ☐ No

If You answered "No" to Questions 2, 3, or 4, above <u>Stop Here</u> (form is complete).

5. If site-related free or residual product is/was present, does/did a potential or complete migration pathway exist to an ESNR? ..... ☐ Yes ☐ No
6. Do the results of an EE trigger a remedial investigation of ecological receptors? [N.J.A.C. 7:26E-4.8] ..... ☐ Yes ☐ No

   If "**Yes**", has a remedial investigation of ecological receptors been conducted? ..... ☐ Yes ☐ No

   Date conducted: _____

7. Do available data indicate an impact (COPECs above Ecological Screening Criteria in ESNRs) to Ecological Receptor(s), Surface water, or Sediment? ☐ Yes ☐ No

   If "**Yes**,"

   a) Check all ESNRs or media that apply:

   ☐ Surface water ☐ Sediment ☐ Soil ☐ Wetlands

   b) If this information is not submitted with an ecological evaluation that includes contaminant summary information, attach a brief summary of all currently available data and a description of all actions to be taken to mitigate exposure.

8. Have COPECs been fully delineated to the Ecological Screening Criteria [N.J.A.C. 7:26E-4.8(a)] in:

   a) Migration pathways ☐ Yes ☐ No

   b) ESNR ☐ Yes ☐ No

9. Has an Ecological Risk Assessment been conducted? ☐ Yes ☐ No

10. Provide the following information for any on-site and/or off-site surface water body, which is potentially impacted by the site related discharges:

Surface Water Body Name	Stream Classification	Antidegradation Designation	Trout Production	Trout Maintenance
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐

11. Has a Program Interest (PI) or Permit number been issued for any regulated areas by the Division of Land Use Regulation? (e.g. wetlands, transition areas, flood hazard areas, coastal areas, tidelands, etc.). ☐ Yes ☐ No

    If "**Yes**,":

    Identify the type(s) of regulated areas: _____

    Provide the Land Use Regulation Program (LURP) PI or Permit number(s) for the site:

    _____

12 Are there any **pending** applications for LURP jurisdiction letters or approvals under review by the NJDEP for the remediation? ☐ Yes ☐ No

13. Are there any **valid** LURP jurisdiction letters or approvals issued for the remediation? ☐ Yes ☐ No

Completed forms should be sent to the municipal clerk, designate health department, and:

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420

Attachment A

Area of Interest (AOI) Information

Area : 458,140.93 ft²

Jul 17 2023 10:11:41 Eastern Daylight Time

Summary

Name	Count	Area(ft²)	Length(ft)
County Boundaries	1	458,140.93	N/A
Parcels Data (Block and Lot)	88	331,401.06	N/A
Cores	0	0	N/A

County Boundaries

#	GLOBALID	COUNTY	COUNTY_LABEL	CO	GNIS_NAME
1	06718f12-5a71-4cc1-8847-561fac92945d	CAMDEN	Camden County	CAM	County of Camden

#	GNIS	FIPSSTCO	FIPSCO	ACRES	SQ_MILES
1	882273	34007	7	145597.905686	227.496728

#	POP2020	POP2010	POP2000	POP1990	POP1980
1	523485	513657	508932	532498	471650

#	POPDEN2020	POPDEN2010	POPDEN2000	POPDEN1990	POPDEN1980
1	2301	2258	2237	2341	2073

#	REGION	Shape__Area	Shape__Length	Area(ft²)
1	SOUTHERN	999,735,488.78125	196,539.162511003	458,140.93

Parcels Data (Block and Lot)

#	PAMS_PIN	PCL_MUN	PCLBLOCK	PCLLOT	PCLQCODE
1	0408_1304_90	0408	1304	90	*No Data*
2	0408_1309_5	0408	1309	5	*No Data*
3	0408_387_30	0408	387	30	*No Data*
4	0408_395_27	0408	395	27	*No Data*
5	0408_1304_66	0408	1304	66	*No Data*
6	0408_1307_54	0408	1307	54	*No Data*
7	0408_1303_112	0408	1303	112	*No Data*
8	0408_387_29	0408	387	29	*No Data*
9	0408_1309_4	0408	1309	4	*No Data*
10	0408_395_38	0408	395	38	*No Data*
11	0408_395_28	0408	395	28	*No Data*
12	0408_1307_11	0408	1307	11	*No Data*
13	0408_1307_15	0408	1307	15	*No Data*
14	0408_1308_19	0408	1308	19	*No Data*
15	0408_387_28	0408	387	28	*No Data*
16	0408_385_15	0408	385	15	*No Data*
17	0408_1309_3	0408	1309	3	*No Data*
18	0408_395_37	0408	395	37	*No Data*
19	0408_1303_100	0408	1303	100	*No Data*
20	0408_395_29	0408	395	29	*No Data*
21	0408_1309_2	0408	1309	2	*No Data*
22	0408_395_36	0408	395	36	*No Data*
23	0408_1309_25	0408	1309	25	*No Data*
24	0408_1309_24	0408	1309	24	*No Data*
25	0408_1309_27	0408	1309	27	*No Data*
26	0408_1309_26	0408	1309	26	*No Data*
27	0408_1309_28	0408	1309	28	*No Data*
28	0408_1303_94	0408	1303	94	*No Data*
29	0408_1309_1	0408	1309	1	*No Data*
30	0408_1307_14	0408	1307	14	*No Data*
31	0408_1303_106	0408	1303	106	*No Data*
32	0408_1303_110	0408	1303	110	*No Data*
33	0408_1303_109	0408	1303	109	*No Data*
34	0408_1303_108	0408	1303	108	*No Data*
35	0408_1303_107	0408	1303	107	*No Data*
36	0408_1303_105	0408	1303	105	*No Data*
37	0408_1303_104	0408	1303	104	*No Data*
38	0408_1303_102	0408	1303	102	*No Data*
39	0408_1303_111	0408	1303	111	*No Data*
40	0408_1303_103	0408	1303	103	*No Data*
41	0408_1309_23	0408	1309	23	*No Data*
42	0408_1303_93	0408	1303	93	*No Data*

43	0408_1308_17	0408	1308	17	*No Data*
44	0408_1308_18	0408	1308	18	*No Data*
45	0408_395_30	0408	395	30	*No Data*
46	0408_1303_99	0408	1303	99	*No Data*
47	0408_385_17	0408	385	17	*No Data*
48	0408_1309_29	0408	1309	29	*No Data*
49	0408_385_16	0408	385	16	*No Data*
50	0408_1303_101	0408	1303	101	*No Data*
51	0408_1303_97	0408	1303	97	*No Data*
52	0408_1303_95	0408	1303	95	*No Data*
53	0408_1303_98	0408	1303	98	*No Data*
54	0408_1303_96	0408	1303	96	*No Data*
55	0408_1304_77	0408	1304	77	*No Data*
56	0408_1302.01_49	0408	1302.01	49	*No Data*
57	0408_1308_5	0408	1308	5	*No Data*
58	0408_1304_61	0408	1304	61	*No Data*
59	0408_1304_62	0408	1304	62	*No Data*
60	0408_1304_64	0408	1304	64	*No Data*
61	0408_1304_63	0408	1304	63	*No Data*
62	0408_1304_65	0408	1304	65	*No Data*
63	0408_1308_8	0408	1308	8	*No Data*
64	0408_1308_7	0408	1308	7	*No Data*
65	0408_1308_6	0408	1308	6	*No Data*
66	0408_1304_60	0408	1304	60	*No Data*
67	0408_1308_21	0408	1308	21	*No Data*
68	0408_1303_91	0408	1303	91	*No Data*
69	0408_1309_31	0408	1309	31	*No Data*
70	0408_1309_30	0408	1309	30	*No Data*
71	0408_1309_6	0408	1309	6	*No Data*
72	0408_1304_78	0408	1304	78	*No Data*
73	0408_1304_59	0408	1304	59	*No Data*
74	0408_1308_9	0408	1308	9	*No Data*
75	0408_1308_16	0408	1308	16	*No Data*
76	0408_1307_10	0408	1307	10	*No Data*
77	0408_1307_2	0408	1307	2	*No Data*
78	0408_387_26	0408	387	26	*No Data*
79	0408_1304_76	0408	1304	76	*No Data*
80	0408_1308_53	0408	1308	53	*No Data*
81	0408_387_42	0408	387	42	*No Data*
82	0408_1307.01_2	0408	1307.01	2	*No Data*
83	0408_378_49	0408	378	49	*No Data*
84	0408_378_46	0408	378	46	*No Data*
85	0408_378_48	0408	378	48	*No Data*

86	0408_1302.01_1	0408	1302.01	1	*No Data*
87	0408_378_50	0408	378	50	*No Data*
88	0408_1302_1	0408	1302	1	*No Data*

#	PCLLASTUPD	PIN_NODUP	GIS_PIN	CD_CODE	PROP_CLASS
1	*No Data*	0408_1304_90	0408_1304_90	0408	15C
2	*No Data*	0408_1309_5	0408_1309_5	0408	2
3	*No Data*	0408_387_30	0408_387_30	0408	15C
4	*No Data*	0408_395_27	0408_395_27	0408	15C
5	*No Data*	0408_1304_66	0408_1304_66	0408	15C
6	*No Data*	0408_1307_54	0408_1307_54	0408	1
7	*No Data*	0408_1303_112	0408_1303_112	0408	15C
8	*No Data*	0408_387_29	*No Data*	*No Data*	*No Data*
9	*No Data*	0408_1309_4	0408_1309_4	0408	1
10	*No Data*	0408_395_38	*No Data*	*No Data*	*No Data*
11	*No Data*	0408_395_28	0408_395_28	0408	2
12	*No Data*	0408_1307_11	0408_1307_11	0408	4A
13	*No Data*	0408_1307_15	0408_1307_15	0408	1
14	*No Data*	0408_1308_19	0408_1308_19	0408	4A
15	*No Data*	0408_387_28	*No Data*	*No Data*	*No Data*
16	*No Data*	0408_385_15	*No Data*	*No Data*	*No Data*
17	*No Data*	0408_1309_3	0408_1309_3	0408	2
18	*No Data*	0408_395_37	0408_395_37	0408	15C
19	*No Data*	0408_1303_100	0408_1303_100	0408	15C
20	*No Data*	0408_395_29	0408_395_29	0408	2
21	*No Data*	0408_1309_2	0408_1309_2	0408	2
22	*No Data*	0408_395_36	0408_395_36	0408	2
23	*No Data*	0408_1309_25	0408_1309_25	0408	2
24	*No Data*	0408_1309_24	0408_1309_24	0408	1
25	*No Data*	0408_1309_27	0408_1309_27	0408	1
26	*No Data*	0408_1309_26	0408_1309_26	0408	1
27	*No Data*	0408_1309_28	0408_1309_28	0408	15C
28	*No Data*	0408_1303_94	0408_1303_94	0408	1
29	*No Data*	0408_1309_1	0408_1309_1	0408	2
30	*No Data*	0408_1307_14	0408_1307_14	0408	1
31	*No Data*	0408_1303_106	0408_1303_106	0408	15C
32	*No Data*	0408_1303_110	0408_1303_110	0408	1
33	*No Data*	0408_1303_109	0408_1303_109	0408	15C
34	*No Data*	0408_1303_108	0408_1303_108	0408	15C
35	*No Data*	0408_1303_107	0408_1303_107	0408	15C
36	*No Data*	0408_1303_105	0408_1303_105	0408	15C
37	*No Data*	0408_1303_104	0408_1303_104	0408	15C
38	*No Data*	0408_1303_102	0408_1303_102	0408	15C
39	*No Data*	0408_1303_111	0408_1303_111	0408	15C
40	*No Data*	0408_1303_103	0408_1303_103	0408	15C
41	*No Data*	0408_1309_23	0408_1309_23	0408	1
42	*No Data*	0408_1303_93	0408_1303_93	0408	15C

43	*No Data*	0408_1308_17	0408_1308_17	0408	4A
44	*No Data*	0408_1308_18	0408_1308_18	0408	4A
45	*No Data*	0408_395_30	0408_395_30	0408	4A
46	*No Data*	0408_1303_99	0408_1303_99	0408	2
47	*No Data*	0408_385_17	*No Data*	*No Data*	*No Data*
48	*No Data*	0408_1309_29	0408_1309_29	0408	1
49	*No Data*	0408_385_16	*No Data*	*No Data*	*No Data*
50	*No Data*	0408_1303_101	0408_1303_101	0408	15C
51	*No Data*	0408_1303_97	0408_1303_97	0408	1
52	*No Data*	0408_1303_95	0408_1303_95	0408	15C
53	*No Data*	0408_1303_98	0408_1303_98	0408	1
54	*No Data*	0408_1303_96	0408_1303_96	0408	1
55	*No Data*	0408_1304_77	0408_1304_77	0408	15C
56	*No Data*	0408_1302.01_49	0408_1302.01_49	0408	15C
57	*No Data*	0408_1308_5	0408_1308_5	0408	4A
58	*No Data*	0408_1304_61	0408_1304_61	0408	2
59	*No Data*	0408_1304_62	0408_1304_62	0408	2
60	*No Data*	0408_1304_64	0408_1304_64	0408	15C
61	*No Data*	0408_1304_63	0408_1304_63	0408	2
62	*No Data*	0408_1304_65	0408_1304_65	0408	15C
63	*No Data*	0408_1308_8	0408_1308_8	0408	2
64	*No Data*	0408_1308_7	0408_1308_7	0408	2
65	*No Data*	0408_1308_6	0408_1308_6	0408	4A
66	*No Data*	0408_1304_60	0408_1304_60	0408	2
67	*No Data*	0408_1308_21	0408_1308_21	0408	4A
68	*No Data*	0408_1303_91	0408_1303_91	0408	15C
69	*No Data*	0408_1309_31	0408_1309_31	0408	1
70	*No Data*	0408_1309_30	0408_1309_30	0408	2
71	*No Data*	0408_1309_6	0408_1309_6	0408	1
72	*No Data*	0408_1304_78	0408_1304_78	0408	15C
73	*No Data*	0408_1304_59	0408_1304_59	0408	1
74	*No Data*	0408_1308_9	0408_1308_9	0408	4A
75	*No Data*	0408_1308_16	0408_1308_16	0408	4A
76	*No Data*	0408_1307_10	0408_1307_10	0408	4B
77	*No Data*	0408_1307_2	0408_1307_2	0408	4A
78	*No Data*	0408_387_26	0408_387_26	0408	4A
79	*No Data*	0408_1304_76	0408_1304_76	0408	1
80	*No Data*	0408_1308_53	0408_1308_53	0408	4B
81	*No Data*	0408_387_42	0408_387_42	0408	4A
82	*No Data*	0408_1307.01_2	0408_1307.01_2	0408	15C
83	*No Data*	0408_378_49	0408_378_49	0408	4B
84	*No Data*	0408_378_46	0408_378_46	0408	15E
85	*No Data*	0408_378_48	0408_378_48	0408	15E

86	*No Data*	0408_1302.01_1	0408_1302.01_1	0408	15C
87	*No Data*	0408_378_50	*No Data*	*No Data*	*No Data*
88	*No Data*	0408_1302_1	0408_1302_1	0408	15C

#	COUNTY	MUN_NAME	PROP_LOC	OWNER_NAME	ST_ADDRESS
1	CAMDEN	CAMDEN CITY	1039 LOUIS ST	*No Data*	PO BOX 95120
2	CAMDEN	CAMDEN CITY	1137 SYCAMORE ST	*No Data*	1137 SYCAMORE STREET
3	CAMDEN	CAMDEN CITY	NW RAYMOND WALKER & CHSTN	*No Data*	PO BOX 95120
4	CAMDEN	CAMDEN CITY	1018 CHESTNUT ST	*No Data*	PO BOX 95120
5	CAMDEN	CAMDEN CITY	1169 CHESTNUT ST	*No Data*	PO BOX 95120
6	CAMDEN	CAMDEN CITY	1118 MT EPHRAIM AVE	*No Data*	2837 LINCOLN AVENUE
7	CAMDEN	CAMDEN CITY	1172 MT VERNON ST	*No Data*	PO BOX 95120
8	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
9	CAMDEN	CAMDEN CITY	1135 SYCAMORE ST	*No Data*	1133 SYCAMORE STREET
10	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
11	CAMDEN	CAMDEN CITY	1020 CHESTNUT ST	*No Data*	1547 MERCHANTVILLE AVENUE
12	CAMDEN	CAMDEN CITY	WS CAMDEN & ARR 106 S CHE	*No Data*	2837 LINCOLN AVENUE
13	CAMDEN	CAMDEN CITY	1109 SYCAMORE ST	*No Data*	2837 LINCOLN AVENUE
14	CAMDEN	CAMDEN CITY	1125 SYCAMORE ST	*No Data*	1112 CHESTNUT STREET
15	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
16	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
17	CAMDEN	CAMDEN CITY	1133 SYCAMORE ST	*No Data*	1133 SYCAMORE STREET
18	CAMDEN	CAMDEN CITY	1109 MT EPHRAIM AVE	*No Data*	PO BOX 95120
19	CAMDEN	CAMDEN CITY	1035 LOUIS ST	*No Data*	PO BOX 95120
20	CAMDEN	CAMDEN CITY	1022 CHESTNUT ST	*No Data*	1022 CHESTNUT STREET
21	CAMDEN	CAMDEN CITY	1131 SYCAMORE ST	*No Data*	1133 SYCAMORE STREET
22	CAMDEN	CAMDEN CITY	1107 MT EPHRAIM AVE	*No Data*	1107 MOUNT EPHRAIM AVENUE
23	CAMDEN	CAMDEN CITY	1108 ORCHARD ST	*No Data*	1065 LAKE SHORE DRIVE
24	CAMDEN	CAMDEN CITY	1110 ORCHARD ST	*No Data*	1110 ORCHARD STREET
25	CAMDEN	CAMDEN CITY	1104 ORCHARD ST	*No Data*	1104 ORCHARD STREET
26	CAMDEN	CAMDEN CITY	1106 ORCHARD ST	*No Data*	1106 ORCHARD STREET
27	CAMDEN	CAMDEN CITY	1102 ORCHARD ST	*No Data*	PO BOX 95120
28	CAMDEN	CAMDEN CITY	1044 ORCHARD ST	*No Data*	546 NO 2ND STREET
29	CAMDEN	CAMDEN CITY	1129 SYCAMORE ST	*No Data*	1133 SYCAMORE STREET
30	CAMDEN	CAMDEN CITY	1107 SYCAMORE ST	*No Data*	2837 LINCOLN AVENUE
31	CAMDEN	CAMDEN CITY	1160 MT VERNON ST	*No Data*	PO BOX 95120
32	CAMDEN	CAMDEN CITY	1168 MT VERNON ST	*No Data*	1168 MT VERNON STREET
33	CAMDEN	CAMDEN CITY	1166 MT VERNON ST	*No Data*	PO BOX 95120

34	CAMDEN	CAMDEN CITY	1164 MT VERNON ST	*No Data*	PO BOX 95120
35	CAMDEN	CAMDEN CITY	1162 MT VERNON ST	*No Data*	PO BOX 95120
36	CAMDEN	CAMDEN CITY	1158 MT VERNON ST	*No Data*	PO BOX 95120
37	CAMDEN	CAMDEN CITY	1156 MT VERNON ST	*No Data*	PO BOX 95120
38	CAMDEN	CAMDEN CITY	1152 MT VERNON ST	*No Data*	PO BOX 95120
39	CAMDEN	CAMDEN CITY	1170 MT VERNON ST	*No Data*	PO BOX 95120
40	CAMDEN	CAMDEN CITY	1154 MT VERNON ST	*No Data*	PO BOX 95120
41	CAMDEN	CAMDEN CITY	1112 ORCHARD ST	*No Data*	1112 ORCHARD STREET
42	CAMDEN	CAMDEN CITY	1046 ORCHARD ST	*No Data*	PO BOX 95120
43	CAMDEN	CAMDEN CITY	1119 SYCAMORE ST	*No Data*	1112 CHESTNUT STREET
44	CAMDEN	CAMDEN CITY	NS SYCAMORE 27E C&A	*No Data*	1112 CHESTNUT STREET
45	CAMDEN	CAMDEN CITY	1024 CHESTNUT ST	*No Data*	PO BOX 22
46	CAMDEN	CAMDEN CITY	1037 LOUIS ST	*No Data*	700 E 7TH STREET
47	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
48	CAMDEN	CAMDEN CITY	1100 ORCHARD ST	*No Data*	1100 ORCHARD STREET
49	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
50	CAMDEN	CAMDEN CITY	1150 MT VERNON ST	*No Data*	PO BOX 95120
51	CAMDEN	CAMDEN CITY	1163 ROSS ST	*No Data*	700 E 7TH STREET
52	CAMDEN	CAMDEN CITY	1159 ROSS ST	*No Data*	PO BOX 95120
53	CAMDEN	CAMDEN CITY	1165 ROSS ST	*No Data*	700 E 7TH STREET
54	CAMDEN	CAMDEN CITY	1161 ROSS ST	*No Data*	700 E 7TH STREET
55	CAMDEN	CAMDEN CITY	1166 ROSS ST	*No Data*	PO BOX 95120
56	CAMDEN	CAMDEN CITY	NW MT EPHRAIM & MT VERNON	*No Data*	PO BOX 1949
57	CAMDEN	CAMDEN CITY	1114 CHESTNUT ST	*No Data*	1112 CHESTNUT STREET
58	CAMDEN	CAMDEN CITY	1159 CHESTNUT ST	*No Data*	1159 CHESTNUT STREET
59	CAMDEN	CAMDEN CITY	1161 CHESTNUT ST	*No Data*	1723 HOLLINSHED AVENUE
60	CAMDEN	CAMDEN CITY	1165 CHESTNUT ST	*No Data*	PO BOX 95120
61	CAMDEN	CAMDEN CITY	1163 CHESTNUT ST	*No Data*	8 LITTLE BROADWAY
62	CAMDEN	CAMDEN CITY	1167 CHESTNUT ST	*No Data*	PO BOX 95120
63	CAMDEN	CAMDEN CITY	1120 CHESTNUT ST	*No Data*	1112 CHESTNUT STREET
64	CAMDEN	CAMDEN CITY	1118 CHESTNUT ST	*No Data*	1117 EMPIRE AVENUE
65	CAMDEN	CAMDEN CITY	1116 CHESTNUT ST	*No Data*	1112 CHESTNUT STREET
66	CAMDEN	CAMDEN CITY	1157 CHESTNUT ST	*No Data*	2924 WOLF AVENUE
67	CAMDEN	CAMDEN CITY	1121 ORCHARD ST	*No Data*	1112 CHESTNUT STREET
68	CAMDEN	CAMDEN CITY	1048-1050 ORCHARD ST	*No Data*	PO BOX 95120
69	CAMDEN	CAMDEN CITY	1188 CHESTNUT ST	*No Data*	PO BOX 267

70	CAMDEN	CAMDEN CITY	1186 CHESTNUT ST	*No Data*	1186 CHESTNUT STREET
71	CAMDEN	CAMDEN CITY	1149 SYCAMORE ST	*No Data*	PO BOX 267
72	CAMDEN	CAMDEN CITY	1168 ROSS ST	*No Data*	PO BOX 95120
73	CAMDEN	CAMDEN CITY	NE CHESTNUT & ORCHARD STS	*No Data*	165 ROUTE 73
74	CAMDEN	CAMDEN CITY	1126 CHESTNUT ST	*No Data*	1112 CHESTNUT STREET
75	CAMDEN	CAMDEN CITY	1117 SYCAMORE ST	*No Data*	1112 CHESTNUT STREET
76	CAMDEN	CAMDEN CITY	1112-1116 MT EPHRAIM AVE	*No Data*	1112 MT EPHRAIM AVENUE
77	CAMDEN	CAMDEN CITY	1100-1110 MT EPHRAIM AVE	*No Data*	1112 CHESTNUT STREET
78	CAMDEN	CAMDEN CITY	1027 MT EPHRAIM AVE	*No Data*	PO BOX 28
79	CAMDEN	CAMDEN CITY	SE ORCHARD & ROSS STS	*No Data*	165 ROUTE 73
80	CAMDEN	CAMDEN CITY	1112 CHESTNUT ST	*No Data*	1112 CHESTNUT STREET
81	CAMDEN	CAMDEN CITY	NW MT EPHRAIM & CHESTNUT	*No Data*	267 ROSEMAR STREET
82	CAMDEN	CAMDEN CITY	CHESTNUT TO SYCAMORE	*No Data*	PO BOX 1949
83	CAMDEN	CAMDEN CITY	1115 MT VERNON ST	*No Data*	1215 SANSOM ST, 3RD FL
84	CAMDEN	CAMDEN CITY	ES MT EPHRM 100 N MT VRNN	*No Data*	45 FRIENDS AVENUE
85	CAMDEN	CAMDEN CITY	NW HADDON AV & MT VERNON	*No Data*	PO BOX 95120
86	CAMDEN	CAMDEN CITY	MT EPHRAIM & MT VERNON	*No Data*	PO BOX 1949
87	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
88	CAMDEN	CAMDEN CITY	NW CHESTNUT & ORCHARD STS	*No Data*	PO BOX 95120

#	CITY_STATE	ZIP_CODE	LAND_VAL	IMPRVT_VAL	NET_VALUE
1	CAMDEN, NJ	081015120	2700	0	2700
2	CAMDEN, NJ	081032773	7000	18000	25000
3	CAMDEN, NJ	081015120	12400	0	12400
4	CAMDEN, NJ	081015120	5400	0	5400
5	CAMDEN, NJ	081015120	2900	0	2900
6	CAMDEN, NJ	081054424	9500	0	9500
7	CAMDEN, NJ	081015120	5000	0	5000
8	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
9	CAMDEN, NJ	08103	4000	0	4000
10	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
11	PENNSAUKEN, NJ	08110	4300	24700	29000
12	CAMDEN, NJ	081054424	300	1000	1300
13	CAMDEN, NJ	081054424	7900	0	7900
14	CAMDEN, NJ	081032702	2000	500	2500
15	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
16	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
17	CAMDEN, NJ	08103	7000	42300	49300
18	CAMDEN, NJ	081015120	5800	0	5800
19	CAMDEN, NJ	081015120	5900	0	5900
20	CAMDEN, NJ	08103	4200	24700	28900
21	CAMDEN, NJ	081032773	7000	22000	29000
22	CAMDEN, NJ	08103	5100	34500	39600
23	CAMDEN, NJ	08104	4500	24600	29100
24	CAMDEN, NJ	081032719	4500	0	4500
25	CAMDEN, NJ	081032719	4500	0	4500
26	CAMDEN, NJ	081032719	4500	0	4500
27	CAMDEN, NJ	081015120	4500	0	4500
28	COLUMBIA, PA	17512	4500	0	4500
29	CAMDEN, NJ	081032773	7000	37600	44600
30	CAMDEN, NJ	081054424	22600	0	22600
31	CAMDEN, NJ	081015120	5000	0	5000
32	CAMDEN, NJ	081032720	5000	0	5000
33	CAMDEN, NJ	081015120	5000	0	5000
34	CAMDEN, NJ	081015120	5000	0	5000
35	CAMDEN, NJ	081015120	5000	0	5000
36	CAMDEN, NJ	081015120	5000	0	5000
37	CAMDEN, NJ	081015120	5000	0	5000
38	CAMDEN, NJ	081015120	5000	0	5000
39	CAMDEN, NJ	081015120	5000	0	5000
40	CAMDEN, NJ	081015120	5000	0	5000
41	CAMDEN, NJ	08103	4900	0	4900
42	CAMDEN, NJ	081015120	4900	0	4900

43	CAMDEN, NJ	081032702	4000	300	4300
44	CAMDEN, NJ	081032702	4000	200	4200
45	PENNSAUKEN, NJ	08110	36100	106000	142100
46	WAYNESBORO, GA	30830	7700	39100	46800
47	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
48	CAMDEN, NJ	08103	5100	0	5100
49	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
50	CAMDEN, NJ	08101	8400	0	8400
51	WAYNESBORO, GA	30830	5300	0	5300
52	CAMDEN, NJ	081015120	5300	0	5300
53	WAYNESBORO, GA	30830	5300	0	5300
54	WAYNESBORO, GA	30830	5300	0	5300
55	CAMDEN, NJ	081015120	2700	0	2700
56	CAMDEN, NJ	08101	31500	11400	42900
57	CAMDEN, NJ	081032702	2800	200	3000
58	CAMDEN, NJ	081032760	5900	31600	37500
59	PENNSAUKEN, NJ	08110	5900	35100	41000
60	CAMDEN, NJ	081015120	5900	0	5900
61	SAYREVILLE, NJ	08872	5900	42700	48600
62	CAMDEN, NJ	081015120	5900	0	5900
63	CAMDEN, NJ	081032702	3000	9200	12200
64	CAMDEN, NJ	08105	6000	24600	30600
65	CAMDEN, NJ	081032702	3000	200	3200
66	PENNSAUKEN, NJ	08109	6200	46300	52500
67	CAMDEN, NJ	081032702	3300	900	4200
68	CAMDEN, NJ	081015120	18900	0	18900
69	HADDON HEIGHTS, NJ	080350267	7000	0	7000
70	CAMDEN, NJ	081032759	7000	20200	27200
71	HADDON HEIGHTS, NJ	080350267	58000	0	58000
72	CAMDEN, NJ	081015120	9700	0	9700
73	VOORHEES, NJ	08043	24800	0	24800
74	CAMDEN, NJ	081032702	19700	56500	76200
75	CAMDEN, NJ	081032702	9500	2900	12400
76	CAMDEN, NJ	08104	28500	68500	97000
77	CAMDEN, NJ	081032702	32900	90200	123100
78	PENNSAUKEN, NJ	08110	21500	4500	26000
79	VOORHEES, NJ	08043	34400	0	34400
80	CAMDEN, NJ	081032702	38200	56600	94800
81	PHILADELPHIA, PA	19120	39600	71300	110900
82	CAMDEN, NJ	08101	45400	34200	79600
83	PHILADELPHIA, PA	19107	91400	390600	482000
84	HADDONFIELD, NJ	08033	143500	0	143500
85	CAMDEN, NJ	081015120	269000	27500	296500

86	CAMDEN, NJ	08101	35400	22400	57800
87	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
88	CAMDEN, NJ	081015120	178200	0	178200

#	LAST_YR_TX	BLDG_DESC	LAND_DESC	CALC_ACRE	ADD_LOTS1
1	*No Data*	*No Data*	17X70 M131	0.027300	*No Data*
2	837.25	FH	20X100 M131	0.045900	*No Data*
3	*No Data*	*No Data*	120X39 M007	0.107400	28,29,36,37
4	*No Data*	*No Data*	20X60 M007	0.027500	*No Data*
5	*No Data*	*No Data*	18X80 M131	0.033100	*No Data*
6	318.16	*No Data*	20X76 M131	0.034900	*No Data*
7	167.45	*No Data*	13X75 M131	0.022400	*No Data*
8	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
9	133.96	*No Data*	20X100 M131	0.045900	*No Data*
10	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
11	971.21	BH	15X40 M007	0.013800	*No Data*
12	43.54	G	20X8 M131	0.003700	*No Data*
13	264.57	*No Data*	69X77 M131	0.122000	*No Data*
14	83.73	FENCING	12X65 M131	0.017900	*No Data*
15	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
16	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
17	1651.06	BH	20X100 M131	0.045900	*No Data*
18	*No Data*	*No Data*	20X71 M007	0.032600	*No Data*
19	*No Data*	*No Data*	23X63 M131	0.033300	*No Data*
20	967.86	BH	14X40 M007	0.012900	*No Data*
21	971.21	FH	20X100 M131	0.045900	*No Data*
22	1326.20	BH	16X66 M007	0.024200	*No Data*
23	974.56	BH	13X57 M131	0.017000	*No Data*
24	150.71	*No Data*	13X57 M131	0.017000	*No Data*
25	150.71	*No Data*	13X57 M131	0.017000	*No Data*
26	150.71	*No Data*	13X57 M131	0.017000	*No Data*
27	*No Data*	*No Data*	13X57 M131	0.017000	*No Data*
28	150.71	*No Data*	14X54 M131	0.017400	*No Data*
29	1493.65	FH	20X100 M131	0.045900	*No Data*
30	756.87	*No Data*	20X103 M131	0.047300	*No Data*
31	167.45	*No Data*	13X75 M131	0.022400	*No Data*
32	167.45	*No Data*	13X75 M013	0.022400	*No Data*
33	167.45	*No Data*	13X75 M131	0.022400	*No Data*
34	167.45	*No Data*	13X75 M013	0.022400	*No Data*
35	167.45	*No Data*	13X75 M013	0.022400	*No Data*
36	167.45	*No Data*	13X75 M013	0.022400	*No Data*
37	167.45	*No Data*	13X75 M013	0.022400	*No Data*
38	167.45	*No Data*	13X75 M131	0.022400	*No Data*
39	167.45	*No Data*	13X75 M013	0.022400	*No Data*
40	167.45	*No Data*	13X75 M013	0.022400	*No Data*
41	164.10	*No Data*	16X60 M131	0.022000	*No Data*
42	164.10	*No Data*	18X54 M131	0.022300	*No Data*

43	144.01	FENCING	20X100 M131	0.045900	*No Data*
44	140.66	FENCING	20X100 M131	0.045900	*No Data*
45	4758.93	BH	20X40 IRR M007	0.000000	*No Data*
46	1567.33	BH	10X70 M131	0.016100	*No Data*
47	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
48	170.80	*No Data*	18X57 M131	0.023600	*No Data*
49	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
50	281.32	*No Data*	16X75 M131	0.027500	*No Data*
51	177.50	*No Data*	18X65 M131	0.026900	*No Data*
52	177.50	*No Data*	18X65 M131	0.026900	*No Data*
53	177.50	*No Data*	18X65 M131	0.026900	*No Data*
54	177.50	*No Data*	18X65 M131	0.026900	*No Data*
55	90.42	*No Data*	14X83 M131	0.026700	*No Data*
56	*No Data*	*No Data*	51.51X204.45	0.241800	*No Data*
57	100.47	FENCING	14X100 M131	0.032100	*No Data*
58	1255.88	BH	18X80 M131	0.033100	*No Data*
59	1373.09	BH	18X80 M131	0.033100	*No Data*
60	*No Data*	*No Data*	18X80 M131	0.033100	*No Data*
61	1627.61	BH	18X80 M131	0.033100	*No Data*
62	*No Data*	*No Data*	18X80 M131	0.033100	*No Data*
63	408.58	BH	15X100 M131	0.034400	*No Data*
64	1024.79	BH	15X100 M131	0.034400	*No Data*
65	107.17	FENCING	15X100 M131	0.034400	*No Data*
66	1758.23	*No Data*	20X80 M131	0.036700	*No Data*
67	140.66	FENCING	53X44 M131	0.053500	*No Data*
68	632.96	*No Data*	32X54 M131	0.039700	*No Data*
69	234.43	*No Data*	20X100 M131	0.045900	*No Data*
70	910.93	FH	20X100 M131	0.045900	*No Data*
71	3395.89	*No Data*	200X200 M131	0.918300	*No Data*
72	324.85	*No Data*	22XIRR	0.000000	*No Data*
73	830.55	DEMO'D 6-11	40X80 M131	0.073500	*No Data*
74	2551.94	CBB	44X81 M131	0.081800	*No Data*
75	415.28	FENCING	7X100 M131	0.016100	*No Data*
76	3248.53	CBBG	60X89 M131	0.122600	*No Data*
77	4122.62	BG	107X48 M131	0.117900	*No Data*
78	870.74	*No Data*	62X125IRR M007	0.000000	*No Data*
79	1152.06	DEMO'D 6-9-11	51X110 M131	0.128800	*No Data*
80	3174.85	CBB	139X100 M131	0.319100	*No Data*
81	3714.04	SST	144X93 M007	0.307400	*No Data*
82	*No Data*	*No Data*	.44AC IRR M131	0.440000	*No Data*
83	16142.18	B&CB	447X100	1.026200	50
84	*No Data*	*No Data*	182X386 M131	1.612800	*No Data*
85	*No Data*	*No Data*	5.63AC M131	5.630000	*No Data*

86	*No Data*	*No Data*	.21 AC IRR	0.210000	*No Data*
87	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
88	*No Data*	*No Data*	287X300 M131	1.976600	*No Data*

#	ADD_LOTS2	FAC_NAME	PROP_USE	BLDG_CLASS	DEED_BOOK
1	DEMOLISHED 2006	VACANT LAND	*No Data*	*No Data*	11056
2	*No Data*	*No Data*	*No Data*	27	04942
3	*No Data*	VACANT LAND	*No Data*	*No Data*	*No Data*
4	*No Data*	VACANT LAND	*No Data*	*No Data*	11056
5	*No Data*	VACANT LAND	*No Data*	*No Data*	11056
6	*No Data*	*No Data*	*No Data*	*No Data*	04150
7	*No Data*	VACANT LAND	*No Data*	*No Data*	11748
8	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
9	*No Data*	*No Data*	*No Data*	*No Data*	04929
10	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
11	*No Data*	*No Data*	*No Data*	33	10976
12	*No Data*	*No Data*	739	*No Data*	04150
13	*No Data*	*No Data*	*No Data*	*No Data*	04150
14	*No Data*	*No Data*	100	*No Data*	*No Data*
15	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
16	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
17	*No Data*	*No Data*	*No Data*	27	04929
18	*No Data*	VACANT LAND	*No Data*	*No Data*	*No Data*
19	*No Data*	VACANT LAND	*No Data*	*No Data*	11056
20	*No Data*	*No Data*	*No Data*	33	11837
21	*No Data*	*No Data*	*No Data*	27	04656
22	*No Data*	*No Data*	*No Data*	33	10888
23	*No Data*	*No Data*	*No Data*	33	10714
24	DEMOLISHED 2016	*No Data*	*No Data*	*No Data*	03892
25	*No Data*	*No Data*	*No Data*	*No Data*	03930
26	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
27	*No Data*	VACANT LAND	*No Data*	*No Data*	03979
28	DEMO'D 6-9-11	*No Data*	*No Data*	*No Data*	05148
29	*No Data*	*No Data*	*No Data*	15	04501
30	*No Data*	*No Data*	*No Data*	*No Data*	04150
31	*No Data*	VACANT LAND	*No Data*	*No Data*	11748
32	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
33	*No Data*	VACANT LAND	*No Data*	*No Data*	11748
34	*No Data*	VACANT LAND	*No Data*	*No Data*	11748
35	*No Data*	VACANT LAND	*No Data*	*No Data*	11748
36	*No Data*	VACANT LAND	*No Data*	*No Data*	11748
37	DEMO'D 6-9-11	VACANT LAND	*No Data*	*No Data*	11748
38	DEMO'D 6-9-11	VACANT LAND	*No Data*	*No Data*	11748
39	DEMOLISHED 2008	VACANT LAND	*No Data*	*No Data*	11748
40	DEMO'D 6-9-11	VACANT LAND	*No Data*	*No Data*	11748
41	*No Data*	*No Data*	*No Data*	*No Data*	04424
42	DEMO'D 6-9-11	VACANT LAND	*No Data*	*No Data*	11748

43	*No Data*	*No Data*	100	*No Data*	*No Data*
44	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
45	*No Data*	*No Data*	101	*No Data*	04963
46	*No Data*	*No Data*	*No Data*	27	03962
47	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
48	*No Data*	*No Data*	*No Data*	*No Data*	04426
49	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
50	DEMOLISHED 2016	VACANT LAND	*No Data*	*No Data*	11748
51	*No Data*	*No Data*	*No Data*	*No Data*	04326
52	*No Data*	VACANT LAND	*No Data*	*No Data*	11748
53	*No Data*	*No Data*	*No Data*	*No Data*	04326
54	*No Data*	*No Data*	*No Data*	*No Data*	04326
55	*No Data*	VACANT LAND	*No Data*	*No Data*	11748
56	*No Data*	RAILROAD	100	*No Data*	*No Data*
57	*No Data*	*No Data*	100	*No Data*	*No Data*
58	*No Data*	*No Data*	*No Data*	27	05045
59	*No Data*	*No Data*	*No Data*	27	04603
60	*No Data*	VACANT LAND	*No Data*	*No Data*	11056
61	*No Data*	*No Data*	*No Data*	27	10306
62	*No Data*	VACANT LAND	*No Data*	*No Data*	11056
63	*No Data*	*No Data*	*No Data*	27	*No Data*
64	*No Data*	*No Data*	*No Data*	27	07028
65	*No Data*	*No Data*	100	*No Data*	*No Data*
66	*No Data*	*No Data*	*No Data*	14	04885
67	*No Data*	*No Data*	100	*No Data*	*No Data*
68	DEMO'D 6-9-11	VACANT LAND	*No Data*	*No Data*	11748
69	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
70	*No Data*	*No Data*	*No Data*	27	04163
71	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
72	*No Data*	VACANT LAND	*No Data*	*No Data*	11748
73	*No Data*	*No Data*	100	*No Data*	*No Data*
74	*No Data*	*No Data*	959	*No Data*	*No Data*
75	*No Data*	*No Data*	100	*No Data*	*No Data*
76	*No Data*	*No Data*	210	*No Data*	04982
77	*No Data*	*No Data*	951	*No Data*	*No Data*
78	*No Data*	*No Data*	*No Data*	*No Data*	09444
79	*No Data*	*No Data*	100	*No Data*	*No Data*
80	*No Data*	*No Data*	951	*No Data*	*No Data*
81	*No Data*	*No Data*	210	*No Data*	09774
82	*No Data*	RAILROAD	100	*No Data*	*No Data*
83	*No Data*	*No Data*	330	*No Data*	08576
84	*No Data*	CEMETERY	*No Data*	*No Data*	*No Data*
85	CAMDEN CEMETERY	CEMETERY	074	*No Data*	*No Data*

86	PARTIAL ELEVATED RR	RAILROAD	100	*No Data*	*No Data*
87	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
88	*No Data*	VACANT LAND	*No Data*	*No Data*	10840

#	DEED_PAGE	DEED_DATE	YR_CONSTR	SALES_CODE	SALE_PRICE
1	01235	181214	0000	*No Data*	1
2	00087	980401	1900	*No Data*	23000
3	*No Data*	761022	*No Data*	*No Data*	0
4	01235	181214	*No Data*	*No Data*	1
5	01235	181214	0000	*No Data*	1
6	00318	860812	*No Data*	*No Data*	2100
7	01984	210520	0000	*No Data*	0
8	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
9	00665	971112	*No Data*	*No Data*	500
10	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
11	01073	180914	1910	*No Data*	1
12	00318	860812	*No Data*	*No Data*	0
13	00318	860812	*No Data*	*No Data*	0
14	*No Data*	800620	*No Data*	*No Data*	0
15	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
16	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
17	00662	971112	1900	*No Data*	1500
18	*No Data*	*No Data*	*No Data*	*No Data*	0
19	01235	181214	0000	*No Data*	1
20	00967	210803	1910	*No Data*	1
21	00627	930727	1900	*No Data*	4000
22	00405	180418	1900	*No Data*	1
23	01926	170809	1900	*No Data*	10075
24	00176	830504	0000	*No Data*	4500
25	00642	830822	0000	*No Data*	2800
26	*No Data*	*No Data*	0000	*No Data*	0
27	00748	840629	0000	*No Data*	1
28	00348	010329	0000	*No Data*	7000
29	00433	901211	1900	*No Data*	1
30	00318	860812	*No Data*	*No Data*	0
31	01984	210520	0000	*No Data*	0
32	*No Data*	*No Data*	0000	*No Data*	0
33	01984	210520	0000	*No Data*	0
34	01984	210520	0000	*No Data*	0
35	01984	210520	0000	*No Data*	0
36	01984	210520	0000	*No Data*	0
37	01984	210520	0000	*No Data*	0
38	01984	210520	0000	*No Data*	0
39	01984	210520	0000	*No Data*	0
40	01984	210520	0000	*No Data*	0
41	00563	900202	0000	*No Data*	0
42	01984	210520	0000	*No Data*	0

43	*No Data*	690319	*No Data*	*No Data*	0
44	*No Data*	800620	*No Data*	*No Data*	0
45	00889	980416	*No Data*	*No Data*	12000
46	00747	840410	1900	*No Data*	12000
47	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
48	00768	900223	0000	*No Data*	0
49	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
50	01984	210520	0000	*No Data*	1
51	00950	881006	*No Data*	*No Data*	0
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53	00950	881006	*No Data*	*No Data*	0
54	00950	881006	*No Data*	*No Data*	1350
55	01984	210520	*No Data*	*No Data*	0
56	*No Data*	*No Data*	*No Data*	*No Data*	0
57	*No Data*	*No Data*	1900	*No Data*	0
58	00130	990910	1910	*No Data*	5000
59	00798	930129	1910	*No Data*	13000
60	01235	181214	0000	*No Data*	1
61	01329	151104	1910	*No Data*	107200
62	01235	181214	0000	*No Data*	1
63	*No Data*	720424	1900	*No Data*	0
64	00185	030501	1900	*No Data*	1
65	*No Data*	700918	1898	*No Data*	0
66	00546	970509	1910	*No Data*	6302
67	*No Data*	800620	*No Data*	*No Data*	0
68	01984	210520	*No Data*	*No Data*	0
69	*No Data*	800901	*No Data*	*No Data*	0
70	00935	861007	1900	*No Data*	3000
71	*No Data*	800901	*No Data*	*No Data*	0
72	01984	210520	*No Data*	*No Data*	0
73	*No Data*	691117	*No Data*	*No Data*	0
74	*No Data*	740503	*No Data*	*No Data*	0
75	*No Data*	*No Data*	*No Data*	*No Data*	0
76	00427	981014	*No Data*	*No Data*	1
77	*No Data*	600915	*No Data*	*No Data*	0
78	00112	110721	*No Data*	*No Data*	9850
79	*No Data*	691117	*No Data*	*No Data*	0
80	*No Data*	*No Data*	*No Data*	*No Data*	0
81	01116	130211	*No Data*	*No Data*	10
82	*No Data*	*No Data*	*No Data*	*No Data*	0
83	00399	070307	*No Data*	*No Data*	395000
84	*No Data*	*No Data*	*No Data*	*No Data*	0
85	*No Data*	*No Data*	*No Data*	*No Data*	0

86	*No Data*	*No Data*	*No Data*	*No Data*	0
87	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
88	00184	180213	*No Data*	*No Data*	0

#	DWELL	COMM_DWELL	OLD_PROPID	ZIP5	ZIP_PLUS4
1	*No Data*	*No Data*	00497 00090	08101	5120
2	01	*No Data*	00535 00005	08103	2773
3	*No Data*	*No Data*	00494 00030	08101	5120
4	*No Data*	*No Data*	00529 00027	08101	5120
5	*No Data*	*No Data*	00497 00066	08101	5120
6	*No Data*	*No Data*	00532 00054	08105	4424
7	*No Data*	*No Data*	00496 00112	08101	5120
8	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
9	*No Data*	*No Data*	00535 00004	08103	*No Data*
10	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
11	01	*No Data*	00529 00028	08110	*No Data*
12	*No Data*	*No Data*	00532 00011	08105	4424
13	*No Data*	*No Data*	00532 00015	08105	4424
14	*No Data*	*No Data*	00533 00019	08103	2702
15	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
16	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
17	01	*No Data*	00535 00003	08103	*No Data*
18	*No Data*	*No Data*	00529 00037	08101	5120
19	*No Data*	*No Data*	00496 00100	08101	5120
20	01	*No Data*	00529 00029	08103	*No Data*
21	01	*No Data*	00535 00002	08103	2773
22	01	*No Data*	00529 00036	08103	*No Data*
23	01	*No Data*	00535 00025	08104	*No Data*
24	00	*No Data*	00535 00024	08103	2719
25	*No Data*	*No Data*	00535 00027	08103	2719
26	*No Data*	*No Data*	00535 00026	08103	2719
27	*No Data*	*No Data*	00535 00028	08101	5120
28	*No Data*	*No Data*	00496 00094	17512	*No Data*
29	01	*No Data*	00535 00001	08103	2773
30	*No Data*	*No Data*	00532 00014	08105	4424
31	*No Data*	*No Data*	00496 00106	08101	5120
32	*No Data*	*No Data*	00496 00110	08103	2720
33	*No Data*	*No Data*	00496 00109	08101	5120
34	*No Data*	*No Data*	00496 00108	08101	5120
35	*No Data*	*No Data*	00496 00107	08101	5120
36	*No Data*	*No Data*	00496 00105	08101	5120
37	*No Data*	*No Data*	00496 00104	08101	5120
38	*No Data*	*No Data*	00496 00102	08101	5120
39	*No Data*	*No Data*	00496 00111	08101	5120
40	*No Data*	*No Data*	00496 00103	08101	5120
41	*No Data*	*No Data*	00535 00023	08103	*No Data*
42	*No Data*	*No Data*	00496 00093	08101	5120

43	*No Data*	*No Data*	00533 00017	08103	2702
44	*No Data*	*No Data*	00533 00018	08103	2702
45	*No Data*	*No Data*	00529 00030	08110	*No Data*
46	01	*No Data*	00496 00099	30830	*No Data*
47	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
48	*No Data*	*No Data*	00535 00029	08103	*No Data*
49	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
50	00	*No Data*	00496 00101	08101	*No Data*
51	*No Data*	*No Data*	00496 00097	30830	*No Data*
52	*No Data*	*No Data*	00496 00095	08101	5120
53	*No Data*	*No Data*	00496 00098	30830	*No Data*
54	*No Data*	*No Data*	00496 00096	30830	*No Data*
55	*No Data*	*No Data*	00497 00077	08101	5120
56	*No Data*	*No Data*	*No Data*	08101	*No Data*
57	*No Data*	*No Data*	00533 00005	08103	2702
58	01	*No Data*	00497 00061	08103	2760
59	01	*No Data*	00497 00062	08110	*No Data*
60	00	*No Data*	00497 00064	08101	5120
61	01	*No Data*	00497 00063	08872	*No Data*
62	*No Data*	*No Data*	00497 00065	08101	5120
63	01	*No Data*	00533 00008	08103	2702
64	01	*No Data*	00533 00007	08105	*No Data*
65	*No Data*	*No Data*	00533 00006	08103	2702
66	01	*No Data*	00497 00060	08109	*No Data*
67	*No Data*	*No Data*	00533 00021	08103	2702
68	*No Data*	*No Data*	00496 00091	08101	5120
69	*No Data*	*No Data*	00535 00031	08035	0267
70	01	*No Data*	00535 00030	08103	2759
71	*No Data*	*No Data*	00535 00006	08035	0267
72	*No Data*	*No Data*	00497 00078	08101	5120
73	*No Data*	*No Data*	00497 00059	08043	*No Data*
74	*No Data*	*No Data*	00533 00009	08103	2702
75	*No Data*	*No Data*	00533 00016	08103	2702
76	*No Data*	*No Data*	00532 00010	08104	*No Data*
77	*No Data*	*No Data*	00532 00002	08103	2702
78	*No Data*	*No Data*	00494 00026	08110	*No Data*
79	*No Data*	*No Data*	00497 00076	08043	*No Data*
80	*No Data*	*No Data*	00533 00053	08103	2702
81	*No Data*	*No Data*	00494 00042	19120	*No Data*
82	*No Data*	*No Data*	*No Data*	08101	*No Data*
83	*No Data*	*No Data*	00464 00049	19107	*No Data*
84	*No Data*	*No Data*	00464 00046	08033	*No Data*
85	*No Data*	*No Data*	00464 00048	08101	5120

86	*No Data*	*No Data*	*No Data*	08101	*No Data*
87	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
88	*No Data*	*No Data*	00495 00001	08101	5120

#	PCL_PBDATE	PCL_GUID	Shape__Area	Shape__Length	Area(ft²)
1	9/27/2022, 1:00 AM	c1059ed8-1bcf-4852-8f49-45d0ec759b5b	193.812500	69.625210	1.93
2	9/27/2022, 1:00 AM	0a94dec6-3015-4bba-aaf2-c60739f4e8d2	316.429688	95.586460	3.66
3	9/27/2022, 1:00 AM	28fc6ef8-d850-4d0b-b271-8fbe1ecb6711	180.992188	62.836528	13.50
4	9/27/2022, 1:00 AM	ee816887-a6a7-4fe9-b89b-5f483250a111	189.859375	63.703724	30.63
5	9/27/2022, 1:00 AM	d7e9fccc-35f8-4245-bee7-89c673778cce	234.957031	80.050506	50.98
6	9/27/2022, 1:00 AM	6d148dab-37b6-4b41-86ed-404da9122516	252.957031	80.420592	182.06
7	9/27/2022, 1:00 AM	1746839f-2b90-4e4c-9a69-c80e4eaa34da	143.984375	66.096943	196.55
8	9/27/2022, 1:00 AM	bde94383-374b-4cd9-a0ef-da6e83c2254a	189.859375	63.580573	196.71
9	9/27/2022, 1:00 AM	3618144a-aa11-44bc-9130-e3c1a4306deb	316.433594	95.586972	202.33
10	9/27/2022, 1:00 AM	d77b893c-9de6-4f6e-86a6-c0062be57274	485.539063	93.367877	288.23
11	9/27/2022, 1:00 AM	7bc26628-2356-4101-bb89-307fc3fa5dc4	95.179688	43.824279	299.75
12	9/27/2022, 1:00 AM	6ed3d190-47b1-4bb3-973d-503611786528	50.734375	30.526586	320.75
13	9/27/2022, 1:00 AM	1490098d-ba70-4ad9-a0e2-fa6323e711bb	424.324219	100.384515	346.59
14	9/27/2022, 1:00 AM	f5752e41-6266-4c17-be75-bbe82dcf46de	159.480469	70.864960	364.38
15	9/27/2022, 1:00 AM	45bce807-31f4-47f9-a6b0-facd66129d40	189.859375	63.580790	393.14
16	9/27/2022, 1:00 AM	0935d0db-942b-4909-bea9-e8d3032e1e40	248.687500	78.767344	447.82
17	9/27/2022, 1:00 AM	1dce0c39-4647-4f72-bd94-3d6425e8d1ae	316.433594	95.586704	465.90
18	9/27/2022, 1:00 AM	6f5f519c-2c5e-4993-acd3-f27710bf28ec	217.003906	70.676978	506.77
19	9/27/2022, 1:00 AM	89312fd5-4b00-47c2-b51e-4c8c79b0cda5	224.871094	69.258038	533.91
20	9/27/2022, 1:00 AM	c8153a10-be80-433f-87f9-813a6cc682e2	93.093750	43.562211	556.95
21	9/27/2022, 1:00 AM	6db5d882-8efe-4b3b-9753-4251d19ae8b1	316.421875	95.586178	667.17
22	9/27/2022, 1:00 AM	e6eecbc3-81f7-4b6e-84a5-ca6fef7bbb4f	199.828125	66.366530	687.19
23	9/27/2022, 1:00 AM	1b5831a9-1cb4-41a8-a6af-4b66233d1e77	117.242188	55.618639	741.09
24	9/27/2022, 1:00 AM	507732cb-8fa5-4607-9e2d-a8fd782423bd	117.246094	55.619131	741.15
25	9/27/2022, 1:00 AM	d1aece53-411d-4a18-bb2a-d8c89a781d98	117.996094	55.685627	745.84
26	9/27/2022, 1:00 AM	8b778c11-86f0-460d-9597-6f24dabba158	117.980469	55.685316	745.84

27	9/27/2022, 1:00 AM	5891ba80-665b-4913-9df3-80b7a2a1ebe8	117.988281	55.685939	745.86
28	9/27/2022, 1:00 AM	df8aed5c-8fc5-4a2a-9864-b7436ab87a4f	123.886719	54.447341	783.12
29	9/27/2022, 1:00 AM	b55d9b7a-a63d-43fd-9106-70a14941375a	316.433594	95.586711	816.00
30	9/27/2022, 1:00 AM	9c63f78e-02a1-4a04-8613-6f71022d9dd1	297.113281	92.171489	897.55
31	9/27/2022, 1:00 AM	dc41f783-42a0-4010-baa0-dc4bbafba722	143.980469	66.097022	910.10
32	9/27/2022, 1:00 AM	49bae1c2-2414-465e-aa86-6662001bb99c	143.984375	66.097009	910.10
33	9/27/2022, 1:00 AM	acb84af8-485a-4c5f-b575-34658a153d22	143.980469	66.097242	910.10
34	9/27/2022, 1:00 AM	b4135764-4d77-48e2-bc3a-dbd114b74792	143.976563	66.097384	910.12
35	9/27/2022, 1:00 AM	dcf74bed-6a87-4549-aa6e-bbef285c7639	143.980469	66.097050	910.12
36	9/27/2022, 1:00 AM	c6124e51-4943-4925-881d-4667f843a1ea	143.984375	66.097178	910.12
37	9/27/2022, 1:00 AM	bf94b26d-1c19-4c75-960c-7021098e97fc	143.972656	66.096754	910.12
38	9/27/2022, 1:00 AM	50be1fb0-71fc-4513-87a8-894ccd2ed4bc	143.976563	66.097064	910.12
39	9/27/2022, 1:00 AM	26776d6d-74eb-419e-9ce7-7986f06dbea5	143.980469	66.097175	910.14
40	9/27/2022, 1:00 AM	eca1c1bb-8910-4716-b190-44a5f7a2d036	143.976563	66.096832	910.14
41	9/27/2022, 1:00 AM	51d77366-57a4-4b37-b2fc-e7ee286facfe	152.664063	60.458354	965.09
42	9/27/2022, 1:00 AM	e06fba43-5a50-485e-9b44-e6b23785cd94	153.785156	57.236416	972.16
43	9/27/2022, 1:00 AM	bca752c0-8114-4364-9d07-5e80fddd984d	316.425781	95.586525	1,002.18
44	9/27/2022, 1:00 AM	a9dd1970-55c2-4dae-b5b5-792fe6c0f1f6	316.429688	95.586532	1,002.91
45	9/27/2022, 1:00 AM	e15f3b65-b956-4bc9-9a57-d805b30d423c	159.851563	52.507039	1,010.48
46	9/27/2022, 1:00 AM	c89800ee-7f28-4101-ae68-d55a48f7c657	342.195313	79.737906	1,011.91
47	9/27/2022, 1:00 AM	359c593a-c09a-4c71-bf3b-c0cdeeb0cc78	164.171875	68.550071	1,037.77
48	9/27/2022, 1:00 AM	6038f993-1fc1-45b3-990c-4dc53c192598	168.343750	60.136287	1,064.18
49	9/27/2022, 1:00 AM	f07ee407-56fd-45c0-a91d-beb504cfb36b	232.429688	76.382336	1,112.49
50	9/27/2022, 1:00 AM	1fdab5b9-4b34-4880-8172-7484eec5acd5	182.746094	68.877483	1,155.17
51	9/27/2022, 1:00 AM	95c38245-4f48-4eb4-8761-070038442a2b	185.117188	66.084496	1,170.13
52	9/27/2022, 1:00 AM	464f1f08-0ab2-4bb6-a901-d113791936d8	185.117188	66.084797	1,170.15
53	9/27/2022, 1:00 AM	0fcd6a32-01a3-4638-a1e7-aa98b179fb4f	185.109375	66.084938	1,170.15

54	9/27/2022, 1:00 AM	6bdd635e-7fd1-41e5-8650-4e5c1c7941f7	185.125000	66.084968	1,170.18
55	9/27/2022, 1:00 AM	fb10b85c-561f-4631-a386-9b09acf2091b	193.378906	81.319015	1,222.40
56	9/27/2022, 1:00 AM	663bf19d-4eec-4ddf-ab28-ea3dbc328507	861.761719	193.289797	1,254.86
57	9/27/2022, 1:00 AM	bbc46cff-4bec-4b82-8180-985dd669f8ab	229.566406	91.227723	1,451.19
58	9/27/2022, 1:00 AM	be986b6a-ccdf-49c6-b485-992527268df6	234.957031	80.050476	1,485.21
59	9/27/2022, 1:00 AM	7d2ca9f0-0dde-45e3-9da9-9dab170d972d	234.945313	80.050600	1,485.21
60	9/27/2022, 1:00 AM	a1816424-87ba-48a2-ab0d-39c160d0bff8	234.953125	80.050471	1,485.21
61	9/27/2022, 1:00 AM	ee396d9e-d7f8-4647-a9ea-f3b0abdd552e	234.957031	80.050748	1,485.23
62	9/27/2022, 1:00 AM	ccb9a986-dd4b-46e2-9a1f-c8171f340b7a	234.949219	80.050596	1,485.23
63	9/27/2022, 1:00 AM	883eefbc-45a9-4786-95a7-3256c87e5eb3	237.312500	91.616947	1,500.20
64	9/27/2022, 1:00 AM	92756aca-0de1-4664-abef-2fab9f64ff18	237.324219	91.616846	1,500.24
65	9/27/2022, 1:00 AM	2cb5a2e0-faf3-4ff7-b554-51cf9fe8cfc8	243.179688	91.910743	1,537.24
66	9/27/2022, 1:00 AM	a7cff3d0-d1c5-4bf3-9978-2769def3ae77	261.062500	81.638695	1,650.24
67	9/27/2022, 1:00 AM	50a72a08-4620-41c7-9679-189e8f086c81	265.164063	77.977081	1,676.18
68	9/27/2022, 1:00 AM	b9ea04d5-cc8a-4ebc-b908-e85f8b4bd5cb	277.671875	68.788641	1,755.23
69	9/27/2022, 1:00 AM	c35cf193-8212-4247-9713-0e246283e35c	316.425781	95.586979	1,856.31
70	9/27/2022, 1:00 AM	413d80ea-f32f-4772-a1b4-5466795a317a	316.437500	95.587230	2,000.30
71	9/27/2022, 1:00 AM	4668a982-6ced-4584-afa6-331c0f669a98	4113.578125	318.210119	2,165.02
72	9/27/2022, 1:00 AM	a2840447-851b-4cae-91a5-9fb30b52480a	657.507813	105.941913	2,864.61
73	9/27/2022, 1:00 AM	93a0c618-e1c9-4905-aafb-4cb31337c584	522.117188	97.518614	3,300.46
74	9/27/2022, 1:00 AM	ec2f26f5-e0ee-4f42-8f7c-f7c4ccfd4679	563.878906	99.497914	3,564.45
75	9/27/2022, 1:00 AM	0ae33c59-34b8-437c-9542-b2711e0569f8	851.242188	138.023288	3,775.61
76	9/27/2022, 1:00 AM	fae5e719-9a46-4906-a446-3c8b9f5d9dda	803.351563	119.008624	4,714.76
77	9/27/2022, 1:00 AM	d20001be-98c0-4bdd-8dc3-57dd8f1b3919	1048.367188	139.479667	6,627.44
78	9/27/2022, 1:00 AM	5498c7c2-e36a-49f2-83ed-416b38a2ee5e	1436.019531	196.722871	7,219.39
79	9/27/2022, 1:00 AM	49dab49d-71cd-4dbb-b3a3-ee38b0e01ce4	1203.433594	143.422075	7,607.20
80	9/27/2022, 1:00 AM	00a572e6-1e2f-4be4-9f08-579b2e0b7bfd	1567.195313	169.444996	9,906.86

81	9/27/2022, 1:00 AM	b247535a-4caf-4653-a9ec-4ec50248cb42	1690.710938	174.109655	10,580.48
82	9/27/2022, 1:00 AM	315d6762-37e6-43de-8cb6-e3e6cfbbad44	3030.148438	320.824074	13,975.28
83	9/27/2022, 1:00 AM	d2119657-87cf-4908-9810-9b6a84af8382	2617.488281	209.649658	16,545.69
84	9/27/2022, 1:00 AM	03f7f774-99eb-4f6b-8336-30c223c8aead	10381.964844	433.482625	18,095.25
85	9/27/2022, 1:00 AM	58d34ec1-75f1-418b-81da-f2607751711c	38358.753906	1008.560270	19,549.45
86	9/27/2022, 1:00 AM	278d05c0-ca30-43d3-9279-6f351fc925c3	3991.781250	462.105122	22,608.48
87	9/27/2022, 1:00 AM	023cd4c4-12a2-4dde-9301-403cad0544c9	4201.761719	300.713343	26,560.08
88	9/27/2022, 1:00 AM	faba21e5-4c53-4844-9d5d-949ee2ba070e	14209.230469	483.252211	89,820.63

Well Permitting XY Well Search - 79 wells found within One Mile of Easting = 321437 Northing = 401276

Click here to visit the report information page

Download Document	Permit Number	Well Use	Potentially Potable	Document	Date (permitted /drilled /sealed)	Physical Address	County	Municipality	Block	Lot		Location Method	Easting (X)		Northing (Y)	Distance (Feet)	Depth (ft)	Capacity (gal/min)
PDF Document	E202202651	Irrigation	Yes	Record	4/11/2022	278 Kaighn Ave	Camden	Camden City	270	70		GPS	317032		400009	4,583.59	73	35
PDF Document	E202202651	Irrigation	Yes	Permit	3/9/2022	278 Kaighn Ave	Camden	Camden City	270	70		Digital Image	317037		400011	4,578.23	100	35
PDF Document	E202108777	Irrigation	Yes	Permit	8/30/2021	278 Kaighn Ave Camden	Camden	Camden City	270	108		GPS	316989		400009	4,624.93	100	25
PDF Document	E201113853	Irrigation	Yes	Record	9/9/2011	530' from Kaighn Ave	Camden	Camden City	1279	2		GPS	326765		400513	5,382.36	127	40
PDF Document	E201113853	Irrigation	Yes	Permit	8/23/2011	530' from Kaighn Ave	Camden	Camden City	1279	2		Digital Image	326769		400526	5,384.49	180	40
	P201009483	Industrial	Yes	Permit	8/19/2010	1484 FERRY AVENUE	Camden	Camden City	281	28		Prop Loc - Dig Image	317105		398747	5,016.18	100	10
PDF Document	A2012021	Industrial	Yes	Decommissioning	12/8/2020	Locust St & Spruce St	Camden	Camden City	232	26		GPS	316543		401539	4,901.06		
PDF Document	A2012022	Industrial	Yes	Decommissioning	12/8/2020	Spruce St & Locust St	Camden	Camden City	232	58		GPS	316535		401661	4,917.1		
PDF Document	A1805053	Industrial	Yes	Decommissioning	5/28/2018	1542 Broadway	Camden	Camden City	460	1		GPS	318745		398603	3,793.65		
PDF Document	A1805048	Industrial	Yes	Decommissioning	5/25/2018	1542 Broadway	Camden	Camden City	460	1		GPS	318775		398602	3,773.13		
PDF Document	A1805050	Industrial	Yes	Decommissioning	5/22/2018	1542 Broadway	Camden	Camden City	460	1		GPS	318803		398602	3,753.43		
PDF Document	A1805052	Industrial	Yes	Decommissioning	5/28/2018	1542 Broadway	Camden	Camden City	460	1		GPS	318744		398603	3,794.36		
PDF Document	A1805051	Industrial	Yes	Decommissioning	5/23/2018	1542 Broadway	Camden	Camden City	460	1		GPS	318769		398557	3,809.35		
PDF Document	A1805049	Industrial	Yes	Decommissioning	5/22/2018	1542 Broadway	Camden	Camden City	460	1		GPS	318718		398559	3,843.83		
PDF Document	A1707045	Industrial	Yes	Decommissioning	7/15/2017	1125-1151 Wright Avenue	Camden	Camden City	1457	17		GPS	320957		404937	3,692.33		
		Public Non-Community	Yes	Decommissioning	3/11/1994	631 MARKET STREET	Camden	Camden City	125	21		GIS Parcel Centroid	318825		405661			
		Domestic	Yes	Decommissioning	6/22/1993	3RD ST & JEFFERSON AVE	Camden	Camden City	454	20		GIS Parcel Centroid	317028		396833			
		Industrial	Yes	Decommissioning	12/28/1991	THIRD & JACKSON STREETS	Camden	Camden City	282	54		Digital Image	317622		398963	4,461.41		
		Industrial	Yes	Decommissioning	12/28/1991	THIRD & JACKSON STREETS	Camden	Camden City	282	54		Digital Image	317622		398963	4,461.41		
		Industrial	Yes	Decommissioning	12/28/1991	THIRD & JACKSON STREETS	Camden	Camden City	282	54		Digital Image	317622		398963	4,461.41		
		Industrial	Yes	Decommissioning	12/28/1991	THIRD & JACKSON STREETS	Camden	Camden City	282	54		Digital Image	317622		398963	4,461.41		

		Industrial	Yes	Decommissioning	12/28/1991	THIRD & JACKSON STREETS	Camden	Camden City	282	54		Digital Image	317622		398963	4,461.41		
		Industrial	Yes	Decommissioning	8/21/1992	17TH ST & FEDERAL ST	Camden	Camden City	1186	25		GIS Parcel Centroid	323715		405139			
		Industrial	Yes	Decommissioning	1/1/1988	1649 HADDON AVE.	Camden	Camden City	1382	7		GIS Parcel Centroid	325255		398386			
		Industrial	Yes	Decommissioning	1/1/1988	1649 HADDON AVE.	Camden	Camden City	1382	7		GIS Parcel Centroid	325255		398386			
		Industrial	Yes	Decommissioning	8/22/1988	1625 FEDERAL ST.	Camden	Camden City	1184	5		GIS Parcel Centroid	323638		405504			
		Industrial	Yes	Decommissioning	10/18/1988	MEMORIAL AVE	Camden	Camden City	1473	10		GIS Parcel Centroid	321519		402804			
		Industrial	Yes	Decommissioning	11/9/1988	MEMORIAL AVE	Camden	Camden City	1473	10		GIS Parcel Centroid	321519		402804			
		Industrial	Yes	Decommissioning	5/20/1993	267 JEFFERSON AVE	Camden	Camden City	454	14		GIS Parcel Centroid	317032		396500			
		Industrial	Yes	Decommissioning	5/20/1993	267 JEFFERSON AVE	Camden	Camden City	454	14		GIS Parcel Centroid	317032		396500			
		Industrial	Yes	Decommissioning	5/18/1993	267 JEFFERSON AVE	Camden	Camden City	454	14		GIS Parcel Centroid	317032		396500			
		Industrial	Yes	Decommissioning	5/21/1993	267 JEFFERSON AVE	Camden	Camden City	454	14		GIS Parcel Centroid	317032		396500			
		Industrial	Yes	Decommissioning	5/21/1993	267 JEFFERSON AVE	Camden	Camden City	454	14		GIS Parcel Centroid	317032		396500			
		Industrial	Yes	Decommissioning	5/21/1993	267 JEFFERSON AVE	Camden	Camden City	454	14		GIS Parcel Centroid	317032		396500			
		Industrial	Yes	Decommissioning	5/21/1993	267 JEFFERSON AVE	Camden	Camden City	454	14		GIS Parcel Centroid	317032		396500			
		Domestic	Yes	Decommissioning	11/11/1998	ROSE ST & WHITMAN PARK	Camden	Camden City	1340	107		GIS Parcel Centroid	322421		399285			
	3100002186	Domestic	Yes	Permit	7/15/1955		Camden	Merchantville Boro				Prop Loc - Hard Copy	325541		400519		80	6
	3100002058	Industrial	Yes	Permit	5/20/1955		Camden	Camden City				Prop Loc - Hard Copy	316184		399268		120	75
	3100002058	Industrial	Yes	Record	6/20/1955	KAIGHNS AVENUE AND 2ND STREET	Camden	Camden City				Prop Loc - Hard Copy	316184		399268		142	0
	3100002058	Industrial	Yes	Record	6/20/1955	S 2ND ST & KAIGHNS AVE	Camden	Camden City				Prop Loc - Dig Image	316193		400617	5,285.25	142.2	0
	3100000092	Domestic	Yes	Permit	9/28/1948		Camden	Camden City				Prop Loc - Hard Copy	317861		405226		150	10
	3100000092	Domestic	Yes	Record	1/1/1935	26TH & FEDERAL ST.	Camden	Camden City				Prop Loc - Hard Copy	317861		405226		135	300
	3100000092	Domestic	Yes	Record	11/1/2049	26TH AND FEDERAL STREETS	Camden	Camden City				Prop Loc - Hard Copy	317861		405226		189	0
	3100000091	Domestic	Yes	Permit	9/28/1948		Camden	Camden City				Prop Loc - Hard Copy	317861		405226		150	10
	3100000091	Domestic	Yes	Record	1/1/1937	UNKNOWN	Camden	Camden City				Prop Loc - Hard Copy	317861		405226		173	300
	3100000091	Domestic	Yes	Record	12/20/2049	NORTH EAST COR. BROADWAY & PINE STS	Camden	Camden City				Prop Loc - Dig Image	318289		403300	3,742.7	134	0
	3100000090	Domestic	Yes	Permit	9/28/1948		Camden	Camden City				Prop Loc - Hard Copy	317861		405226		150	10

	3100000090	Domestic	Yes	Record	1/1/1949	UNKNOWN	Camden	Camden City				Prop Loc - Hard Copy	317861		405226		160	300
	3100000089	Domestic	Yes	Permit	9/28/1948		Camden	Camden City				Prop Loc - Hard Copy	317871		406643		150	10
	3100000089	Domestic	Yes	Record	1/1/1933	UNKNOWN	Camden	Camden City				Prop Loc - Hard Copy	317871		406643		150	400
	3100000074	Domestic	Yes	Permit	6/24/1949		Camden	Camden City				Prop Loc - Hard Copy	317861		405226		125	400
	3100000074	Domestic	Yes	Record	7/22/1949	BROAADWAY & FEDERAL ST	Camden	Camden City				Prop Loc - Hard Copy	317861		405226		127	0
	3100000074	Industrial	Yes	Decommissioning	7/8/1981	BROADWAY & MARKET STS	Camden	Camden City				Prop Loc - Hard Copy	317861		405226		127	0
	3100000070	Non-Public	Yes	Record	6/15/2049	ADMIRAL WILSON BOULEVARD	Camden	Camden City				Prop Loc - Dig Image	327627		401888	6,220.08	150	15
	3100000065	Domestic	Yes	Permit	5/3/1949		Camden	Camden City				Prop Loc - Hard Copy	320862		399843		150	10
	3100000065	Domestic	Yes	Record	5/19/1949	MT EPHRAIM AND EVERESTT AVE	Camden	Camden City				Prop Loc - Dig Image	322416		399225	2,272.83	130	0
	3100000065	Domestic	Yes	Record	5/19/1949	MT EPHRAIM AND EVERETT AVES	Camden	Camden City				Prop Loc - Dig Image	322416		399225	2,272.83	130	0
	3100000064	Domestic	Yes	Permit	5/3/1949		Camden	Camden City				Prop Loc - Hard Copy	317852		403911		170	
	3100000064	Domestic	Yes	Record	7/7/1949	1105 BROADWAY	Camden	Camden City				Prop Loc - Dig Image	318270		400602	3,237.58	150	0
	3100000063	Domestic	Yes	Permit	5/3/1949		Camden	Camden City				Prop Loc - Hard Copy	317852		403911		170	
	3100000063	Domestic	Yes	Record	6/23/1949	BROADWAY & MARKET ST	Camden	Camden City				Prop Loc - Dig Image	318308		405998	5,665.16	138	0
	3100000062	Domestic	Yes	Permit	5/3/1949		Camden	Camden City				Prop Loc - Hard Copy	317852		403911		170	
	3100000062	Domestic	Yes	Record	7/1/1949	205 BROADWAY	Camden	Camden City				Prop Loc - Hard Copy	317852		403911		130	0
	3100000020	Domestic	Yes	Permit	1/29/1948		Camden	Camden City				Prop Loc - Hard Copy	320908		406622		157	25
	3100000020	Domestic	Yes	Record	12/1/1947	PENN STREET & LINDEN AVENUE	Camden	Camden City				Prop Loc - Hard Copy	320908		406622		157	0
	3100000020	Non-Public	Yes	Decommissioning	1/1/2019	PENN STREET & LINDEN AVENUE	Camden	Camden City	961	17-20		Prop Loc - Hard Copy	320908		406622		157	0
	3100001703	Industrial	Yes	Permit	11/18/1954		Camden	Collingswood Boro				Prop Loc - Hard Copy	327145		395753		170	60
	3100001703	Industrial	Yes	Record	3/7/1955	UNKNOWN	Camden	Collingswood Boro				Prop Loc - Hard Copy	327145		395753		164	60
	3100001668	Industrial	Yes	Permit	11/1/1954		Camden	Camden City				Prop Loc - Hard Copy	315730		401295		150	300
	3100001668	Industrial	Yes	Record	12/11/1954	SPRUCE & LOCUST ST	Camden	Camden City				Prop Loc - Dig Image	316203		401966	5,279.75	145	0
	3100001379	Domestic	Yes	Permit	4/19/1954		Camden	Camden City				Prop Loc - Hard Copy	325078		401231		120	25
	3100001379	Domestic	Yes	Record	5/2/1954	UNKNOWN	Camden	Camden City				Prop Loc - Hard Copy	325078		401231		214	0
	3100001371	Domestic	Yes	Permit	4/14/1954		Camden	Camden City				Prop Loc - Hard Copy	323978		399821		100	5

	3100001025	Domestic	Yes	Permit	6/3/1953		Camden	Camden City				Prop Loc - Hard Copy	317852		403911		100	50
	3100001025	Domestic	Yes	Record	6/16/1953	1475 S 6TH ST	Camden	Camden City				Prop Loc - Hard Copy	317852		403911		185	0
	3100000990	Domestic	Yes	Permit	5/18/1953	COTSWOLD LANE	Camden	Brooklawn Boro				Prop Loc - Hard Copy	322983		402560		260	10
	3100000957	Non-Public	Yes	Permit	4/29/1953		Camden	Camden City				Prop Loc - Hard Copy	316771		405234		100	50
	3100000957	Non-Public	Yes	Record	5/20/1953	UNKNOWN	Camden	Camden City				Prop Loc - Hard Copy	316771		405234		127	100
	3100000948	Industrial	Yes	Record	8/28/1953	602 N 10TH ST	Camden	Camden City				Prop Loc - Dig Image	320385		405984	4,824.34	141	50
	3100000834	Domestic	Yes	Permit	1/24/1953		Camden	Barrington Boro				Prop Loc - Hard Copy	320880		402574		100	8
	3100000706	Industrial	Yes	Permit	9/10/1952		Camden	Camden City				Prop Loc - Hard Copy	316715		397240		145	900
	3100000523	Industrial	Yes	Permit	4/30/1952		Camden	Camden City				Prop Loc - Hard Copy	317795		395816		220	12
	3100000516	Domestic	Yes	Permit	4/9/1952		Camden	Camden City				Prop Loc - Hard Copy	318818		397226		100	25
	3100000516	Domestic	Yes	Record	5/10/1952	KOSSUTH AND VAN HOOK ST	Camden	Camden City				Prop Loc - Dig Image	320329		397890	3,562.85	92	0
	3100000400	Industrial	Yes	Permit	10/30/1951		Camden	Camden City				Prop Loc - Hard Copy	320908		406622		160	25
	3100000161	Domestic	Yes	Permit	11/13/1950		Camden	Camden City				Prop Loc - Hard Copy	320898		405205		150	10
	3100000161	Domestic	Yes	Record	12/8/1950	ADMIRAL WILSON BLVD	Camden	Camden City				Prop Loc - Hard Copy	320898		405205		169.1	0
	3100000138	Domestic	Yes	Record	8/23/1950	WAYNE AVENUE AND EAST STATE STREET	Camden	Camden City				Prop Loc - Dig Image	323509		407312	6,381.72	130	0
	3100000135	Public Non-Community	Yes	Permit	6/21/1950	COURT HOUSE, CAMDEN, NJ	Camden	Camden City				Prop Loc - Hard Copy	324005		403869		800	
	3100000135	Public Non-Community	Yes	Record	8/28/1950	PARK BOULEVARD AND BAIRD BLVD	Camden	Camden City				Prop Loc - Dig Image	324511		401909	3,138.6	217	800
	3100000135	Public Non-Community	Yes	Record	8/28/1950	COURT HOUSE, CAMDEN, NJ	Camden	Camden City				Prop Loc - Hard Copy	324005		403869		217	800
	3100000134	Domestic	Yes	Permit	6/6/1950		Camden	Camden City				Prop Loc - Hard Copy	317861		405226		120	100
	3100000134	Domestic	Yes	Record	8/1/1950	538-530 FEDERAL ST.	Camden	Camden City				Prop Loc - Hard Copy	317861		405226		128	0
	3100000111	Industrial	Yes	Decommissioning	1/1/1988	1649 HADDON AVE.	Camden	Camden City	1382	7		Prop Loc - Hard Copy	325060		398499		136	210
	3100000111	Industrial	Yes	Permit	1/4/1950		Camden	Camden City				Prop Loc - Hard Copy	325060		398499		135	250
	3100000111	Industrial	Yes	Record	2/17/1950	HADDON AVE	Camden	Camden City				Prop Loc - Hard Copy	325060		398499		136	210
	3100000096	Non-Public	Yes	Permit	2/27/1950		Camden	Camden City				Prop Loc - Hard Copy	319849		399849		175	600
	3100003644	Domestic	Yes	Permit	7/23/1958		Camden	Camden City				Prop Loc - Hard Copy	317871		406643		55	5
	3100004356	Industrial	Yes	Decommissioning	3/4/2008	1930 SOUTH 6TH ST.	Camden	Camden City	493	3		Prop Loc - Hard Copy	319281		396548			
	3100004687	Industrial Replacement	Yes	Permit	2/27/1964		Camden	Camden City				Prop Loc - Hard Copy	323011		406607		150	65

	3100004687	Industrial Replacement	Yes	Record	3/6/1964	UNKNOWN	Camden	Camden City				Prop Loc - Hard Copy	323011		406607		166	80
	3100004430	Domestic	Yes	Permit	3/16/1962		Camden	Camden City				Prop Loc - Hard Copy	320880		402574		180	40
	3100008784	Domestic	Yes	Permit	4/1/1975		Camden	Camden City	2087	2		Prop Loc - Hard Copy	322947		397198		140	50
	3100011541	Domestic	Yes	Record	12/29/1977	MOUNT EPHRAIM AVE & CHASE STREET	Camden	Gloucester Twp	457	26K B		Prop Loc - Hard Copy	322407		397876		70	15
	3100016426	Domestic	Yes	Permit	11/20/1979		Camden	Brooklawn Boro	1662	27B		Prop Loc - Hard Copy	325095		403861		100	15
	3100016426	Domestic	Yes	Record	12/26/1979	ADMIRAL WILSON BOULEVARD AND BAIRD BLVD	Camden	Brooklawn Boro	1662	27B		Prop Loc - Hard Copy	325095		403861		160	10
	3100023939	Non-Public	Yes	Record	10/27/1985	ROUTE 30 AND THORNKYKE AVENUE	Burlington	Moorestown Twp	189	5-D		Prop Loc - Dig Image	326597		403244	5,522.78	33	0
	3100051610	Domestic	Yes	Permit	6/16/1997	LAKE DRIVE-PINE & ELM AVE	Gloucester	Franklin Twp	3308	1		Prop Loc - Hard Copy	326117		405170		100	10
	3100051610	Domestic	Yes	Record	5/10/1998	LAKE DRIVE-PINE & ELM AVE	Gloucester	Franklin Twp	3308	1		Prop Loc - Hard Copy	326117		405170		100	10
	5100054944	Public Non-Community	Yes	Permit	11/30/1998	2ND AND JACKSON ST	Camden	Camden City	658	2		Prop Loc - Hard Copy	315711		398563		194	500
	5100054944	Public Non-Community	Yes	Record		2ND AND JACKSON ST	Camden	Camden City	658	2		Prop Loc - Hard Copy	316996		397709		197	
	5100000035	Industrial	Yes	Decommissioning	11/7/1985	3RD & JEFFERSON ST	Camden	Camden City	708	5		Prop Loc - Hard Copy	315765		395223		99	350
	5100000035	Industrial	Yes	Permit	1/1/1965		Camden	Camden City				Prop Loc - Hard Copy	315765		395223		99	350
	5100000035	Industrial	Yes	Record	1/2/1965		Camden	Camden City				Prop Loc - Hard Copy	315765		395223		99	350
	3100042789	Industrial Replacement	Yes	Permit	10/21/1993	THIRD & JEFFERSON	Camden	Camden City	454	5		Prop Loc - Hard Copy	317805		397233		140	200
	3100042789	Industrial Replacement	Yes	Record	1/30/1994	THIRD & JEFFERSON	Camden	Camden City	454	5		Prop Loc - Hard Copy	317805		397233		149	250
PDF Document	3100042789	Industrial Replacement	Yes	Decommissioning	5/13/2021	THIRD & JEFFERSON	Camden	Camden City	454	5		GPS	316863		396062	6,935.94	149	
	3100023580	Industrial	Yes	Permit	8/23/1985		Camden	Camden City	708	5		Prop Loc - Hard Copy	316232		395119		130	300
	3100023580	Industrial	Yes	Record	10/7/1985	3RD AND JEFFERSON	Camden	Camden City	708	5		Prop Loc - Dig Image	317203		396562	6,335.79	140	0
	3100000290	Industrial	Yes	Permit	8/9/1951		Camden	Camden City				Prop Loc - Hard Copy	316715		397240		110	250
	3100000290	Industrial	Yes	Record	11/21/1951	3RD AND JEFFERSON	Camden	Camden City				Prop Loc - Hard Copy	316715		397240		103	0
PDF Document	3100000290	Industrial Replacement	Yes	Decommissioning	5/21/2021	Third & Jefferson	Camden	Camden City	454	5		GPS	316938		396083	6,870.83	103	
	5100000154	Industrial	Yes	Record	1/2/1945		Camden	Camden City				Prop Loc - Hard Copy	323490		404613		140	400

Attachment D9

Historic fill is the only area of concern (AOC) that has impacted groundwater. A sitewide virtual CEA will be established for groundwater impacts for historic fill. The PRCR is required to evaluate potential potable or irrigation wells within the site boundaries in cases involving historic fill. No potable or irrigation wells are located on the subject site. No offsite wells are required to be sampled for this Receptor Evaluation.

Appendix H: Public Notification

ENVIRONMENTAL INVESTIGATION

CLEANUP IN PROGRESS AT THIS SITE

For Further Information, Contact:

Licensed Site Remediation Professional (LSRP):

Andrew Basehoar (LSRP # 837642), TTI Environmental, Inc.

LSRP Phone: (856) 840-8800 x

Responsible Party (RP): Mount Laurel Animal Hospital

RP Phone: (856) 234-7626

NJDEP Program Interest (PI) Number: 1006694

NJDEP Case Tracking Number: 22-12-08-0925-14

Posted on:

INVESTIGACION AMBIENTAL

EN ESTA LOCATION
Reliable Tire CO

Para mas informacion pongase en contacto con:

Profesional licenciado del lugar de la remediation (LSRP)

Andrew Basehoar (LSRP # 837642), TTI Environmental, Inc.

Numero de Telefono TTI Ambiental: (856) 840-8800

Grupo que lleva a cabo la investigacion: Camden Redevelopment Agency; Olivette Simpson

Numero de telefono CRA: (856) 757-7600

Numero de el programa de interes (PI): 021388

Numero de segulmiento del caso: 211295

Posted on:

Appendix I: Confirmed Discharge Notification Form

New Jersey Department of Environmental Protection
Site Remediation and Waste Management Program

AUTHORIZATION FORM TO SUBMIT A CONFIRMED DISCHARGE NOTIFICATION (CDN) OR GENERAL INFORMATION NOTICE (GIN) THROUGH NJDEP ONLINE

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Reliable Tire Co

Street Address: 1115 Chestnut Street

Municipality: Camden (Township, Borough or City)

County: Camden Zip Code: 08103

Program Interest (PI) Number(s): 021388

SECTION B. STATEMENT OF AUTHORIZATION

Authorization to submit a: *(check all that apply)*

- ☒ Confirmed Discharge Notice (CDN)
- ☐ General Information Notice (GIN)

I authorize the person named below to submit the Notice(s) indicated above for the Program Interest Number(s) noted above. I understand that I am assuming full responsibility that the information provided on my behalf is true, accurate, and complete.

Authorized Person

First Name: Alec Last Name: Halbruner

Title/Position: Environmental Consultant

Mailing Address: 1253 N. Church Street

Municipality: Moorestown State: NJ Zip Code: 08057

Telephone Number: (609) 923-4451 Ext: Fax: 8568408815

Email Address: alech@ttienv.com

SECTION C. CERTIFICATION BY THE PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION

Full Name of Person Responsible for Conducting the Remediation: Camden Redevelopment Agency

Representative First Name: Olivette Representative Last Name: Simpson

Mailing Address: Interim Executive Director

Municipality: Camden State: NJ Zip Code: 08101

Telephone Number: (856) 757-7600 Ext: Fax:

Email Address: OlSimpso@ci.camden.nj.us

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: Date: April 4, 2023

Name/Title: Olivette Simpson/Interim Executive Director

Completed form should be uploaded to NJDEP Online.

Appendix J: Laboratory Reports

ANALYTICAL REPORT

May 08, 2021

TTI Environmental, Inc. - NJ

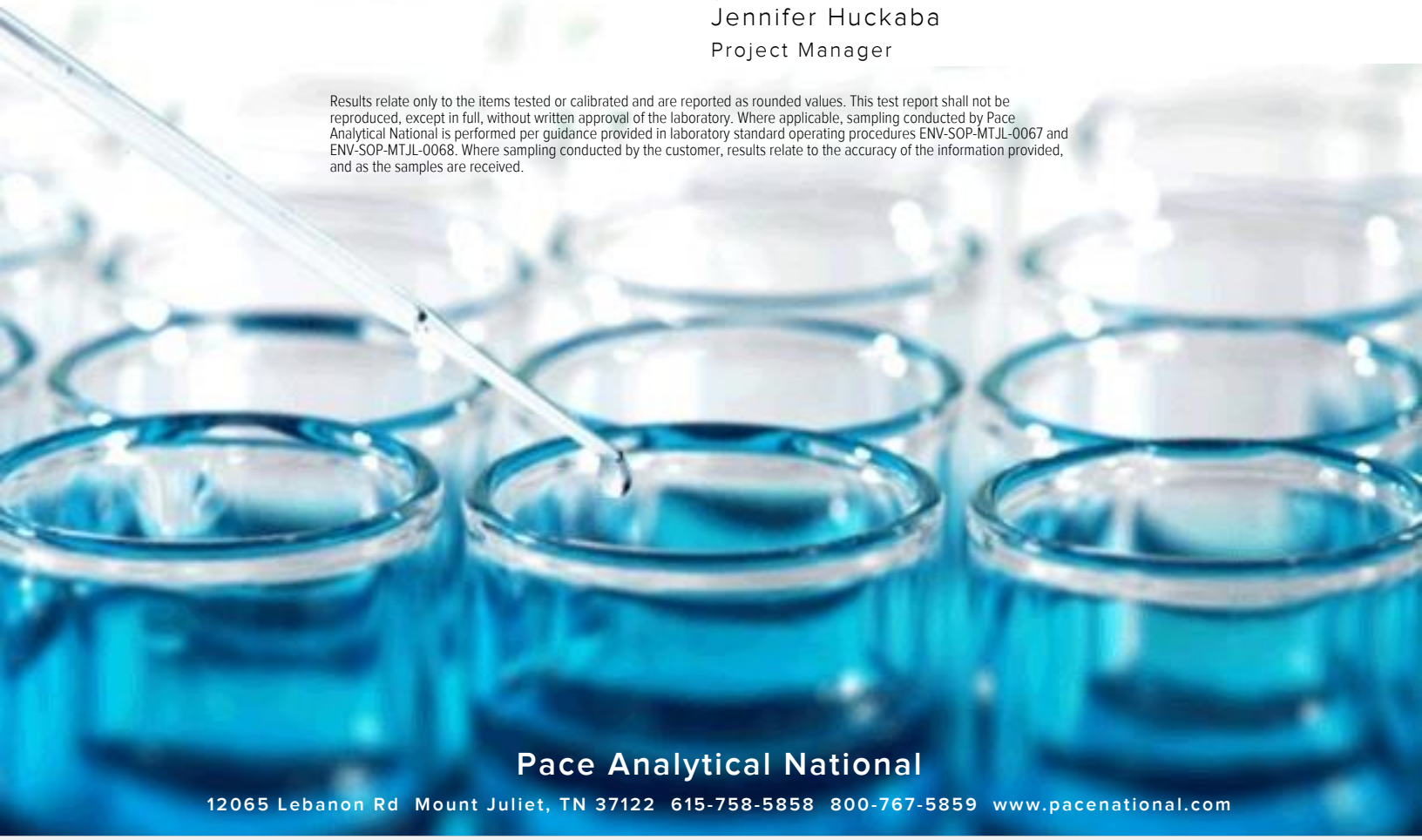
Sample Delivery Group:	L1344477
Samples Received:	04/27/2021
Project Number:	20-763
Description:	CRA Reliable Tire
Site:	NJ
Report To:	Mr. Andy Basehoar 1253 North Church Street Moorestown, NJ 08057

Entire Report Reviewed By:

Jennifer Huckaba

Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

AOC1-1 @ 12.0-12.5 L1344477-01 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 09:20 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661983	1	05/01/21 20:46	05/01/21 21:11	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 16:19	CAG	Mt. Juliet, TN

AOC1-2 @ 12.0-12.5 L1344477-02 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 09:30 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661983	1	05/01/21 20:46	05/01/21 21:11	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 20:33	CAG	Mt. Juliet, TN

AOC1-3 @ 13.0-13.5 L1344477-03 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 09:40 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661983	1	05/01/21 20:46	05/01/21 21:11	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 16:32	CAG	Mt. Juliet, TN

AOC1-4 @ 11-11.5 L1344477-04 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 09:52 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661983	1	05/01/21 20:46	05/01/21 21:11	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 16:46	CAG	Mt. Juliet, TN

AOC1-5 @ 12.0-12.5 L1344477-05 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 10:05 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661983	1	05/01/21 20:46	05/01/21 21:11	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 16:59	CAG	Mt. Juliet, TN

AOC1-6 @ 12.0-12.5 L1344477-06 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 10:15 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661983	1	05/01/21 20:46	05/01/21 21:11	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 17:13	CAG	Mt. Juliet, TN

AOC1-7 @ 12-12.5 L1344477-07 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 10:20 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661983	1	05/01/21 20:46	05/01/21 21:11	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 17:26	CAG	Mt. Juliet, TN

AOC1-8 @ 12-12.5 L1344477-08 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 10:40 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661983	1	05/01/21 20:46	05/01/21 21:11	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 17:39	CAG	Mt. Juliet, TN

AOC1-9 @ 12-12.5 L1344477-09 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 10:50 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661984	1	05/01/21 20:33	05/01/21 20:45	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 17:53	CAG	Mt. Juliet, TN

AOC1-10 @ 12.0-12.5 L1344477-10 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 10:52 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661984	1	05/01/21 20:33	05/01/21 20:45	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 18:06	CAG	Mt. Juliet, TN

AOC1-11 @11.5-12.0 L1344477-11 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 11:00 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661984	1	05/01/21 20:33	05/01/21 20:45	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 18:20	CAG	Mt. Juliet, TN

AOC1-12 @ 11.5-12.0 L1344477-12 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 11:10 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661984	1	05/01/21 20:33	05/01/21 20:45	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 18:33	CAG	Mt. Juliet, TN

AOC1-13 @ 12.0-12.5 L1344477-13 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 11:16 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661984	1	05/01/21 20:33	05/01/21 20:45	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 18:46	CAG	Mt. Juliet, TN

AOC1-14 @ 13.0-13.5 L1344477-14 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 11:30 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661984	1	05/01/21 20:33	05/01/21 20:45	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 19:00	CAG	Mt. Juliet, TN

AOC1-15 @ 11.5-12.0 L1344477-15 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 12:20 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661984	1	05/01/21 20:33	05/01/21 20:45	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 19:13	CAG	Mt. Juliet, TN

AOC1-16 @ 11.0-11.5 L1344477-16 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 12:27 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661984	1	05/01/21 20:33	05/01/21 20:45	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/29/21 19:26	CAG	Mt. Juliet, TN

AOC1-17 @ 11.5-12.0 L1344477-17 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 12:34 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661984	1	05/01/21 20:33	05/01/21 20:45	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1660966	1	04/29/21 05:26	04/30/21 09:15	CAG	Mt. Juliet, TN

AOC1-18 @ 10.5-11.0 L1344477-18 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 12:40 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661984	1	05/01/21 20:33	05/01/21 20:45	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 14:55	CAG	Mt. Juliet, TN

AOC1-19 @ 11.5-12.0 L1344477-19 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 12:49 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661986	1	05/01/21 20:20	05/01/21 20:29	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 15:35	CAG	Mt. Juliet, TN

AOC1-20 @ 10.5-11.0 L1344477-20 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 12:55 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661986	1	05/01/21 20:20	05/01/21 20:29	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 15:49	CAG	Mt. Juliet, TN

AOC1-21 @ 12.0-12.5 L1344477-21 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 13:05 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661986	1	05/01/21 20:20	05/01/21 20:29	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 16:02	CAG	Mt. Juliet, TN

AOC1-22 @ 12.0-12.5 L1344477-22 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 13:15 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661986	1	05/01/21 20:20	05/01/21 20:29	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 19:22	CAG	Mt. Juliet, TN

AOC1-23 @ 11.5-12.0 L1344477-23 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 13:25 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661986	1	05/01/21 20:20	05/01/21 20:29	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	05/02/21 19:08	CAG	Mt. Juliet, TN

AOC1-24 @ 11.5-12.0 L1344477-24 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 13:32 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661986	1	05/01/21 20:20	05/01/21 20:29	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 18:55	CAG	Mt. Juliet, TN

AOC1-25 @ 10.5-11.0 L1344477-25 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 14:05 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661986	1	05/01/21 20:20	05/01/21 20:29	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 16:15	CAG	Mt. Juliet, TN

AOC1-26 @ 10.5-11.0 L1344477-26 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 14:15 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661986	1	05/01/21 20:20	05/01/21 20:29	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 18:42	CAG	Mt. Juliet, TN

AOC1-27 @ 10.5-11.0 L1344477-27 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 14:30 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661986	1	05/01/21 20:20	05/01/21 20:29	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 16:29	CAG	Mt. Juliet, TN

BD-1 L1344477-28 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 00:00 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661986	1	05/01/21 20:20	05/01/21 20:29	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 16:42	CAG	Mt. Juliet, TN

BD-2 L1344477-29 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 00:00 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661988	1	04/30/21 12:53	04/30/21 13:02	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 16:55	CAG	Mt. Juliet, TN

BD-3 L1344477-30 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 00:00 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1661988	1	04/30/21 12:53	04/30/21 13:02	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1661014	1	04/29/21 12:08	04/30/21 17:09	CAG	Mt. Juliet, TN

FB-4262021 L1344477-31 GW

Collected by: Alec Halbruner | Collected date/time: 04/26/21 15:30 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1664128	5	05/04/21 18:43	05/04/21 20:14	JER	Mt. Juliet, TN
Mercury by Method 7470A	WG1663401	1	05/03/21 15:50	05/04/21 10:51	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1665090	1	05/06/21 00:49	05/06/21 19:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1663922	1	05/06/21 11:47	05/06/21 11:47	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1663134	1	05/03/21 08:31	05/04/21 02:22	MTJ	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1662592	1	05/02/21 23:13	05/04/21 07:12	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1660598	1	04/28/21 18:48	04/29/21 21:56	MTJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1662094	1	05/01/21 05:37	05/01/21 14:12	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1662407	1	05/01/21 11:13	05/02/21 09:46	LEA	Mt. Juliet, TN

EB-4262021 L1344477-32 GW

Collected by: Alec Halbruner | Collected date/time: 04/26/21 13:20 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1664128	1	05/04/21 18:43	05/04/21 20:15	JER	Mt. Juliet, TN
Mercury by Method 7470A	WG1663401	1	05/03/21 15:50	05/04/21 10:53	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1665090	1	05/06/21 00:49	05/06/21 19:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1663922	1	05/06/21 12:10	05/06/21 12:10	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1663134	1	05/03/21 08:31	05/04/21 02:34	MTJ	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1662592	1	05/02/21 23:13	05/04/21 07:27	AMM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1660598	1	04/28/21 18:48	04/29/21 22:08	MTJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1662094	1	05/01/21 05:37	05/01/21 14:35	AMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1662407	1	05/01/21 11:13	05/02/21 10:06	LEA	Mt. Juliet, TN

TB-4262021 L1344477-33 GW

Collected by: Alec Halbruner | Collected date/time: 04/26/21 15:10 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1663922	1	05/06/21 12:33	05/06/21 12:33	ACG	Mt. Juliet, TN

AOC1-28 @ 11.5-12.0 L1344477-35 Solid

Collected by: Alec Halbruner | Collected date/time: 04/26/21 14:35 | Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663887	1	05/04/21 10:16	05/04/21 10:23	CMK	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 22:52	CAG	Mt. Juliet, TN

SAMPLE SUMMARY

BD-4 L1344477-36 Solid

Collected by: Alec Halbruner
Collected date/time: 04/26/21 00:00
Received date/time: 04/27/21 12:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663887	1	05/04/21 10:16	05/04/21 10:23	CMK	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 23:05	CAG	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Huckaba
Project Manager

Project Comments

5b. Water reporting limits compared to NJ GW High PQL/GWQ have 2 compounds under method 8270 above the limits (4,6-Dinitro-2-methylphenol and Pentachlorophenol) and 8260 1,2-Dibromo-3-Chloropropane (DBCP) and 1,2-Dibromomethane (EDB), but these 2 compounds were also analyzed by 8011.

Sample Delivery Group (SDG) Narrative

The laboratory analysis was performed from an unpreserved, insufficiently or inadequately preserved sample.

Batch	Method	Lab Sample ID
WG1664128	4500CN E-2011	L1344477-31

Volatile Organic Compounds (GC/MS) by Method 8260D

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG1663922	L1344477-31	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Bromomethane, Carbon tetrachloride and Naphthalene
WG1663922	L1344477-32	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Bromomethane, Carbon tetrachloride and Naphthalene
WG1663922	L1344477-33	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Bromomethane, Carbon tetrachloride and Naphthalene

Pesticides (GC) by Method 8081B

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG1662592	Decachlorobiphenyl	L1344477-31

Polychlorinated Biphenyls (GC) by Method 8082 A

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1660598	(LCSD) R3648791-3, L1344477-31, 32	PCB 1016

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG1662094	p-Terphenyl-d14	(MS) R3649605-1, (MSD) R3649605-2

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1662094	(LCS) R3649188-1, L1344477-31, 32	17 analytes

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1662094	(MS) R3649605-1, (MSD) R3649605-2	34 analytes

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG1662094	(MS) R3649605-1, (MSD) R3649605-2	4-Nitrophenol and Benzaldehyde

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	05/01/2021 21:11	WG1661983

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		8.31	23.4	1	04/29/2021 16:19	WG1660966
(S) o-Terphenyl	*76.1*		*6.67*	*40.0-140*		*04/29/2021 16:19*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	05/01/2021 21:11	WG1661983

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	423		8.10	22.8	1	04/29/2021 20:33	WG1660966
(S) o-Terphenyl	*75.7*		*6.67*	*40.0-140*		*04/29/2021 20:33*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	05/01/2021 21:11	WG1661983

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.76	21.8	1	04/29/2021 16:32	WG1660966
(S) o-Terphenyl	*81.6*		*6.67*	*40.0-140*		*04/29/2021 16:32*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	05/01/2021 21:11	WG1661983

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		8.07	22.7	1	04/29/2021 16:46	WG1660966
(S) o-Terphenyl	*78.0*		*6.67*	*40.0-140*		*04/29/2021 16:46*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		1	05/01/2021 21:11	WG1661983

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.69	21.7	1	04/29/2021 16:59	WG1660966
(S) o-Terphenyl	*77.3*		*6.67*	*40.0-140*		*04/29/2021 16:59*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.9		1	05/01/2021 21:11	WG1661983

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.90	22.3	1	04/29/2021 17:13	WG1660966
(S) o-Terphenyl	*76.3*		*6.67*	*40.0-140*		*04/29/2021 17:13*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.5		1	05/01/2021 21:11	WG1661983

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.28	20.5	1	04/29/2021 17:26	WG1660966
(S) o-Terphenyl	*79.2*		*6.67*	*40.0-140*		*04/29/2021 17:26*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	05/01/2021 21:11	WG1661983

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.35	20.7	1	04/29/2021 17:39	WG1660966
(S) o-Terphenyl	*84.5*		*6.67*	*40.0-140*		*04/29/2021 17:39*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	05/01/2021 20:45	WG1661984

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.56	21.3	1	04/29/2021 17:53	WG1660966
(S) o-Terphenyl	*77.4*		*6.67*	*40.0-140*		*04/29/2021 17:53*	WG1660966

Sample Narrative:

L1344477-09 WG1660966: Dilution due to sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.2		1	05/01/2021 20:45	WG1661984

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.46	21.0	1	04/29/2021 18:06	WG1660966
(S) o-Terphenyl	*77.5*		*6.67*	*40.0-140*		*04/29/2021 18:06*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	05/01/2021 20:45	WG1661984

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.37	20.8	1	04/29/2021 18:20	WG1660966
(S) o-Terphenyl	*85.2*		*6.67*	*40.0-140*		*04/29/2021 18:20*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.4		1	05/01/2021 20:45	WG1661984

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.37	20.7	1	04/29/2021 18:33	WG1660966
(S) o-Terphenyl	*77.8*		*6.67*	*40.0-140*		*04/29/2021 18:33*	WG1660966

Sample Narrative:

L1344477-12 WG1660966: Dilution due to sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.8		1	05/01/2021 20:45	WG1661984

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.49	21.1	1	04/29/2021 18:46	WG1660966
(S) o-Terphenyl	*79.4*		*6.67*	*40.0-140*		*04/29/2021 18:46*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	05/01/2021 20:45	WG1661984

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.94	22.4	1	04/29/2021 19:00	WG1660966
(S) o-Terphenyl	*84.2*		*6.67*	*40.0-140*		*04/29/2021 19:00*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.9		1	05/01/2021 20:45	WG1661984

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.33	20.6	1	04/29/2021 19:13	WG1660966
(S) o-Terphenyl	*82.2*		*6.67*	*40.0-140*		*04/29/2021 19:13*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	05/01/2021 20:45	WG1661984

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.35	20.7	1	04/29/2021 19:26	WG1660966
(S) o-Terphenyl	*81.0*		*6.67*	*40.0-140*		*04/29/2021 19:26*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	05/01/2021 20:45	WG1661984

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	33.9		7.68	21.6	1	04/30/2021 09:15	WG1660966
(S) o-Terphenyl	*80.1*		*6.67*	*40.0-140*		*04/30/2021 09:15*	WG1660966

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	05/01/2021 20:45	WG1661984

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		8.04	22.6	1	04/30/2021 14:55	WG1661014
(S) o-Terphenyl	*67.1*		*6.67*	*40.0-140*		*04/30/2021 14:55*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.9		1	05/01/2021 20:29	WG1661986

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.40	20.9	1	04/30/2021 15:35	WG1661014
(S) o-Terphenyl	*74.8*		*6.67*	*40.0-140*		*04/30/2021 15:35*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	05/01/2021 20:29	WG1661986

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		8.70	24.5	1	04/30/2021 15:49	WG1661014
(S) o-Terphenyl	*71.5*		*6.67*	*40.0-140*		*04/30/2021 15:49*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	05/01/2021 20:29	WG1661986

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.30	20.6	1	04/30/2021 16:02	WG1661014
(S) o-Terphenyl	*76.6*		*6.67*	*40.0-140*		*04/30/2021 16:02*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	05/01/2021 20:29	WG1661986

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	1120		7.43	20.9	1	04/30/2021 19:22	WG1661014
(S) o-Terphenyl	*70.0*		*6.67*	*40.0-140*		*04/30/2021 19:22*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	05/01/2021 20:29	WG1661986

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	234		8.40	23.7	1	05/02/2021 19:08	WG1661014
(S) o-Terphenyl	*96.5*		*6.67*	*40.0-140*		*05/02/2021 19:08*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	05/01/2021 20:29	WG1661986

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	207		7.55	21.3	1	04/30/2021 18:55	WG1661014
(S) o-Terphenyl	*74.1*		*6.67*	*40.0-140*		*04/30/2021 18:55*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	05/01/2021 20:29	WG1661986

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.44	21.0	1	04/30/2021 16:15	WG1661014
(S) o-Terphenyl	*73.3*		*6.67*	*40.0-140*		*04/30/2021 16:15*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.9		1	05/01/2021 20:29	WG1661986

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	158		7.40	20.8	1	04/30/2021 18:42	WG1661014
(S) o-Terphenyl	*71.4*		*6.67*	*40.0-140*		*04/30/2021 18:42*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	05/01/2021 20:29	WG1661986

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.88	22.2	1	04/30/2021 16:29	WG1661014
(S) o-Terphenyl	*76.3*		*6.67*	*40.0-140*		*04/30/2021 16:29*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.8		1	05/01/2021 20:29	WG1661986

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.26	20.5	1	04/30/2021 16:42	WG1661014
(S) o-Terphenyl	*84.8*		*6.67*	*40.0-140*		*04/30/2021 16:42*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.1		1	04/30/2021 13:02	WG1661988

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.39	20.8	1	04/30/2021 16:55	WG1661014
(S) o-Terphenyl	*72.5*		*6.67*	*40.0-140*		*04/30/2021 16:55*	WG1661014

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	04/30/2021 13:02	WG1661988

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.31	20.6	1	04/30/2021 17:09	WG1661014
(S) o-Terphenyl	*77.8*		*6.67*	*40.0-140*		*04/30/2021 17:09*	WG1661014

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		9.00	25.0	5	05/04/2021 20:14	WG1664128

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.100	0.200	1	05/04/2021 10:51	WG1663401

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Aluminum	19.7	J	18.5	100	1	05/06/2021 19:03	WG1665090
Antimony	U		1.03	4.00	1	05/06/2021 19:03	WG1665090
Arsenic	U		0.180	2.00	1	05/06/2021 19:03	WG1665090
Barium	0.939	J	0.381	20.0	1	05/06/2021 19:03	WG1665090
Beryllium	U		0.190	2.00	1	05/06/2021 19:03	WG1665090
Cadmium	U		0.150	1.00	1	05/06/2021 19:03	WG1665090
Calcium	358	J	93.6	1000	1	05/06/2021 19:03	WG1665090
Chromium	U		1.24	2.00	1	05/06/2021 19:03	WG1665090
Copper	18.6		1.51	5.00	1	05/06/2021 19:03	WG1665090
Cobalt	U		0.0596	2.00	1	05/06/2021 19:03	WG1665090
Iron	U		28.1	100	1	05/06/2021 19:03	WG1665090
Lead	2.21		0.849	2.00	1	05/06/2021 19:03	WG1665090
Magnesium	78.0	J	73.5	1000	1	05/06/2021 19:03	WG1665090
Manganese	U		0.704	5.00	1	05/06/2021 19:03	WG1665090
Nickel	U		0.816	2.00	1	05/06/2021 19:03	WG1665090
Potassium	U		108	2000	1	05/06/2021 19:03	WG1665090
Selenium	U		0.300	2.00	1	05/06/2021 19:03	WG1665090
Silver	U		0.0700	2.00	1	05/06/2021 19:03	WG1665090
Sodium	2850		376	2000	1	05/06/2021 19:03	WG1665090
Thallium	U		0.121	2.00	1	05/06/2021 19:03	WG1665090
Vanadium	U		0.664	5.00	1	05/06/2021 19:03	WG1665090
Zinc	U		3.02	25.0	1	05/06/2021 19:03	WG1665090

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	26.5	J	11.3	50.0	1	05/06/2021 11:47	WG1663922
Benzene	U		0.0941	1.00	1	05/06/2021 11:47	WG1663922
Bromochloromethane	U		0.128	1.00	1	05/06/2021 11:47	WG1663922
Bromodichloromethane	U		0.136	1.00	1	05/06/2021 11:47	WG1663922
Bromoform	U		0.129	1.00	1	05/06/2021 11:47	WG1663922
Bromomethane	U	C3	0.605	5.00	1	05/06/2021 11:47	WG1663922
Carbon disulfide	U		0.0962	1.00	1	05/06/2021 11:47	WG1663922
Carbon tetrachloride	U	C3	0.128	1.00	1	05/06/2021 11:47	WG1663922
Chlorobenzene	U		0.116	1.00	1	05/06/2021 11:47	WG1663922
Chlorodibromomethane	U		0.140	1.00	1	05/06/2021 11:47	WG1663922
Chloroethane	U		0.192	5.00	1	05/06/2021 11:47	WG1663922
Chloroform	U		0.111	5.00	1	05/06/2021 11:47	WG1663922
Chloromethane	U		0.960	2.50	1	05/06/2021 11:47	WG1663922
Cyclohexane	U		0.188	1.00	1	05/06/2021 11:47	WG1663922
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	05/06/2021 11:47	WG1663922
1,2-Dibromoethane	U		0.126	1.00	1	05/06/2021 11:47	WG1663922
1,2-Dichlorobenzene	U		0.107	1.00	1	05/06/2021 11:47	WG1663922
1,3-Dichlorobenzene	U		0.110	1.00	1	05/06/2021 11:47	WG1663922

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,4-Dichlorobenzene	U		0.120	1.00	1	05/06/2021 11:47	WG1663922
Dichlorodifluoromethane	U		0.374	5.00	1	05/06/2021 11:47	WG1663922
1,1-Dichloroethane	U		0.100	1.00	1	05/06/2021 11:47	WG1663922
1,2-Dichloroethane	U		0.0819	1.00	1	05/06/2021 11:47	WG1663922
1,1-Dichloroethene	U		0.188	1.00	1	05/06/2021 11:47	WG1663922
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/06/2021 11:47	WG1663922
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/06/2021 11:47	WG1663922
1,2-Dichloropropane	U		0.149	1.00	1	05/06/2021 11:47	WG1663922
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/06/2021 11:47	WG1663922
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/06/2021 11:47	WG1663922
Ethylbenzene	U		0.137	1.00	1	05/06/2021 11:47	WG1663922
2-Hexanone	U		0.787	10.0	1	05/06/2021 11:47	WG1663922
Isopropylbenzene	U		0.105	1.00	1	05/06/2021 11:47	WG1663922
2-Butanone (MEK)	U		1.19	10.0	1	05/06/2021 11:47	WG1663922
Methyl Acetate	U		1.29	20.0	1	05/06/2021 11:47	WG1663922
Methyl Cyclohexane	U		0.660	1.00	1	05/06/2021 11:47	WG1663922
Methylene Chloride	U		0.430	5.00	1	05/06/2021 11:47	WG1663922
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/06/2021 11:47	WG1663922
Methyl tert-butyl ether	U		0.101	1.00	1	05/06/2021 11:47	WG1663922
Naphthalene	U	C3	1.00	5.00	1	05/06/2021 11:47	WG1663922
Styrene	U		0.118	1.00	1	05/06/2021 11:47	WG1663922
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/06/2021 11:47	WG1663922
Tetrachloroethene	U		0.300	1.00	1	05/06/2021 11:47	WG1663922
Toluene	U		0.278	1.00	1	05/06/2021 11:47	WG1663922
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	05/06/2021 11:47	WG1663922
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/06/2021 11:47	WG1663922
1,1,1-Trichloroethane	U		0.149	1.00	1	05/06/2021 11:47	WG1663922
1,1,2-Trichloroethane	U		0.158	1.00	1	05/06/2021 11:47	WG1663922
Trichloroethene	U		0.190	1.00	1	05/06/2021 11:47	WG1663922
Trichlorofluoromethane	U		0.160	5.00	1	05/06/2021 11:47	WG1663922
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/06/2021 11:47	WG1663922
Vinyl chloride	U		0.234	1.00	1	05/06/2021 11:47	WG1663922
Xylenes, Total	U		0.174	3.00	1	05/06/2021 11:47	WG1663922
(S) Toluene-d8	*113*			*80.0-120*		*05/06/2021 11:47*	WG1663922
(S) 4-Bromofluorobenzene	*93.7*			*77.0-126*		*05/06/2021 11:47*	WG1663922
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/06/2021 11:47*	WG1663922

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	CAS #	RT
	ug/l		ug/l	ug/l		date / time			
Total Tic	73.3	J N	0.000	0.000	1	05/06/2021 11:47	WG1663922		
Sulfur Dioxide	1.89	J N	0.000	0.000	1	05/06/2021 11:47	WG1663922	7446-09-5	1.94
Benzene, Fluoro-	11.6	J N	0.000	0.000	1	05/06/2021 11:47	WG1663922	462-06-6	4.87
Benzene, (Trifluoromethyl)-	4.82	J N	0.000	0.000	1	05/06/2021 11:47	WG1663922	98-08-8	5.38
C6d5cd3	10.9	J N	0.000	0.000	1	05/06/2021 11:47	WG1663922	2037-26-5	5.90
Benzene-D5-, Chloro-	19.1	J N	0.000	0.000	1	05/06/2021 11:47	WG1663922	3114-55-4	7.05
2-Furancarboxaldehyde	2.09	J N	0.000	0.000	1	05/06/2021 11:47	WG1663922	98-01-1	7.68
Benzene, 1-Bromo-3-Fluoro-	9.93	J N	0.000	0.000	1	05/06/2021 11:47	WG1663922	1073-06-9	8.01
1,4-Dichlorobenzene-D4	13.0	J N	0.000	0.000	1	05/06/2021 11:47	WG1663922	3855-82-1	8.96

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00536	0.0200	1	05/04/2021 02:22	WG1663134
1,2-Dibromo-3-Chloropropane	U		0.00748	0.0200	1	05/04/2021 02:22	WG1663134

Pesticides (GC) by Method 8081B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Aldrin	U		0.00813	0.0400	1	05/04/2021 07:12	WG1662592
Alpha BHC	U		0.0166	0.0200	1	05/04/2021 07:12	WG1662592
Beta BHC	U		0.0184	0.0400	1	05/04/2021 07:12	WG1662592
Delta BHC	U		0.0197	0.0500	1	05/04/2021 07:12	WG1662592
Gamma BHC	U		0.0176	0.0300	1	05/04/2021 07:12	WG1662592
Chlordane	U		0.0977	0.500	1	05/04/2021 07:12	WG1662592
4,4-DDD	U		0.0170	0.0500	1	05/04/2021 07:12	WG1662592
4,4-DDE	U		0.0164	0.0500	1	05/04/2021 07:12	WG1662592
4,4-DDT	U		0.0177	0.0500	1	05/04/2021 07:12	WG1662592
Dieldrin	U		0.00751	0.0500	1	05/04/2021 07:12	WG1662592
Endosulfan I	U		0.0179	0.0500	1	05/04/2021 07:12	WG1662592
Endosulfan II	U		0.0176	0.0500	1	05/04/2021 07:12	WG1662592
Endosulfan sulfate	U		0.0196	0.0500	1	05/04/2021 07:12	WG1662592
Endrin	U		0.0189	0.0500	1	05/04/2021 07:12	WG1662592
Endrin aldehyde	U		0.0142	0.0500	1	05/04/2021 07:12	WG1662592
Endrin ketone	U		0.0170	0.0500	1	05/04/2021 07:12	WG1662592
Hexachlorobenzene	U		0.0134	0.0500	1	05/04/2021 07:12	WG1662592
Heptachlor	U		0.0108	0.0500	1	05/04/2021 07:12	WG1662592
Heptachlor epoxide	U		0.0175	0.0500	1	05/04/2021 07:12	WG1662592
Methoxychlor	U		0.0193	0.0500	1	05/04/2021 07:12	WG1662592
Toxaphene	U		0.168	0.500	1	05/04/2021 07:12	WG1662592
(S) Decachlorobiphenyl	*17.5*	J2		*30.0-150*		*05/04/2021 07:12*	WG1662592
(S) Tetrachloro-m-xylene	*84.2*			*30.0-150*		*05/04/2021 07:12*	WG1662592

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
PCB 1016	U	J3	0.100	0.500	1	04/29/2021 21:56	WG1660598
PCB 1221	U		0.0730	0.500	1	04/29/2021 21:56	WG1660598
PCB 1232	U		0.0420	0.500	1	04/29/2021 21:56	WG1660598
PCB 1242	U		0.0470	0.500	1	04/29/2021 21:56	WG1660598
PCB 1248	U		0.0860	0.500	1	04/29/2021 21:56	WG1660598
PCB 1254	U		0.0470	0.500	1	04/29/2021 21:56	WG1660598
PCB 1260	U		0.120	0.500	1	04/29/2021 21:56	WG1660598
Total PCBs	U		0.0420	0.500	1	04/29/2021 21:56	WG1660598
(S) Decachlorobiphenyl	*75.7*			*30.0-150*		*04/29/2021 21:56*	WG1660598
(S) Tetrachloro-m-xylene	*74.3*			*30.0-150*		*04/29/2021 21:56*	WG1660598

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/01/2021 14:12	WG1662094
Atrazine	U		0.255	10.0	1	05/01/2021 14:12	WG1662094
Benzaldehyde	U		1.69	10.0	1	05/01/2021 14:12	WG1662094
Biphenyl	U	J4	0.790	10.0	1	05/01/2021 14:12	WG1662094
Bis(2-chlorethoxy)methane	U	J4	0.116	10.0	1	05/01/2021 14:12	WG1662094
Bis(2-chloroethyl)ether	U		0.137	10.0	1	05/01/2021 14:12	WG1662094
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0	1	05/01/2021 14:12	WG1662094
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/01/2021 14:12	WG1662094

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Caprolactam	U	J4	0.309	10.0	1	05/01/2021 14:12	WG1662094
Carbazole	U		0.111	10.0	1	05/01/2021 14:12	WG1662094
4-Chloroaniline	U	J4	0.234	10.0	1	05/01/2021 14:12	WG1662094
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/01/2021 14:12	WG1662094
Dibenzofuran	U		0.0970	10.0	1	05/01/2021 14:12	WG1662094
3,3-Dichlorobenzidine	U	J4	0.212	10.0	1	05/01/2021 14:12	WG1662094
2,4-Dinitrotoluene	U		0.0983	10.0	1	05/01/2021 14:12	WG1662094
2,6-Dinitrotoluene	U		0.250	10.0	1	05/01/2021 14:12	WG1662094
Hexachloro-1,3-butadiene	U	J4	0.0968	10.0	1	05/01/2021 14:12	WG1662094
Hexachlorocyclopentadiene	U		0.0598	10.0	1	05/01/2021 14:12	WG1662094
Hexachloroethane	U		0.127	10.0	1	05/01/2021 14:12	WG1662094
Isophorone	U		0.143	10.0	1	05/01/2021 14:12	WG1662094
2-Nitroaniline	U		0.102	10.0	1	05/01/2021 14:12	WG1662094
3-Nitroaniline	U	J4	0.0869	10.0	1	05/01/2021 14:12	WG1662094
4-Nitroaniline	U		0.0910	10.0	1	05/01/2021 14:12	WG1662094
Nitrobenzene	U	J4	0.297	10.0	1	05/01/2021 14:12	WG1662094
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/01/2021 14:12	WG1662094
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/01/2021 14:12	WG1662094
Benzylbutyl phthalate	U		0.765	3.00	1	05/01/2021 14:12	WG1662094
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/01/2021 14:12	WG1662094
Di-n-butyl phthalate	U		0.453	3.00	1	05/01/2021 14:12	WG1662094
Diethyl phthalate	U		0.287	3.00	1	05/01/2021 14:12	WG1662094
Dimethyl phthalate	U		0.260	3.00	1	05/01/2021 14:12	WG1662094
Di-n-octyl phthalate	U		0.932	3.00	1	05/01/2021 14:12	WG1662094
1,2,4,5-Tetrachlorobenzene	U	J4	0.0647	10.0	1	05/01/2021 14:12	WG1662094
4-Chloro-3-methylphenol	U	J4	0.131	10.0	1	05/01/2021 14:12	WG1662094
2-Chlorophenol	U	J4	0.133	10.0	1	05/01/2021 14:12	WG1662094
2-Methylphenol	U	J4	0.0929	10.0	1	05/01/2021 14:12	WG1662094
3&4-Methyl Phenol	U		0.168	10.0	1	05/01/2021 14:12	WG1662094
2,4-Dichlorophenol	U	J4	0.102	10.0	1	05/01/2021 14:12	WG1662094
2,4-Dimethylphenol	U	J4	0.0636	10.0	1	05/01/2021 14:12	WG1662094
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/01/2021 14:12	WG1662094
2,4-Dinitrophenol	U		5.93	10.0	1	05/01/2021 14:12	WG1662094
2-Nitrophenol	U	J4	0.117	10.0	1	05/01/2021 14:12	WG1662094
4-Nitrophenol	U		0.143	10.0	1	05/01/2021 14:12	WG1662094
Pentachlorophenol	U		0.313	10.0	1	05/01/2021 14:12	WG1662094
Phenol	U		4.33	10.0	1	05/01/2021 14:12	WG1662094
2,4,5-Trichlorophenol	U	J4	0.109	10.0	1	05/01/2021 14:12	WG1662094
2,4,6-Trichlorophenol	U	J4	0.100	10.0	1	05/01/2021 14:12	WG1662094
(S) 2-Fluorophenol	*22.5*			*15.0-110*		*05/01/2021 14:12*	WG1662094
(S) Phenol-d5	*17.4*			*15.0-110*		*05/01/2021 14:12*	WG1662094
(S) Nitrobenzene-d5	*62.7*			*30.0-130*		*05/01/2021 14:12*	WG1662094
(S) 2-Fluorobiphenyl	*70.5*			*30.0-130*		*05/01/2021 14:12*	WG1662094
(S) 2,4,6-Tribromophenol	*50.5*			*15.0-110*		*05/01/2021 14:12*	WG1662094
(S) p-Terphenyl-d14	*75.2*			*30.0-130*		*05/01/2021 14:12*	WG1662094

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	CAS #	RT
	ug/l		ug/l	ug/l		date / time			
Total Tic	0.000		0.000	0.000	1	05/01/2021 14:12	WG1662094		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/02/2021 09:46	WG1662407
Acenaphthene	U		0.0190	0.0500	1	05/02/2021 09:46	WG1662407
Acenaphthylene	U		0.0171	0.0500	1	05/02/2021 09:46	WG1662407
Benzo(a)anthracene	U		0.0203	0.0500	1	05/02/2021 09:46	WG1662407
Benzo(a)pyrene	U		0.0184	0.0500	1	05/02/2021 09:46	WG1662407
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/02/2021 09:46	WG1662407
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/02/2021 09:46	WG1662407
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/02/2021 09:46	WG1662407
Chrysene	U		0.0179	0.0500	1	05/02/2021 09:46	WG1662407
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/02/2021 09:46	WG1662407
Fluoranthene	U		0.0270	0.100	1	05/02/2021 09:46	WG1662407
Fluorene	U		0.0169	0.0500	1	05/02/2021 09:46	WG1662407
Hexachlorobenzene	U		0.00670	0.0200	1	05/02/2021 09:46	WG1662407
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/02/2021 09:46	WG1662407
Naphthalene	U		0.0917	0.250	1	05/02/2021 09:46	WG1662407
Phenanthrene	U		0.0180	0.0500	1	05/02/2021 09:46	WG1662407
Pyrene	U		0.0169	0.0500	1	05/02/2021 09:46	WG1662407
1-Methylnaphthalene	U		0.0687	0.250	1	05/02/2021 09:46	WG1662407
2-Methylnaphthalene	U		0.0674	0.250	1	05/02/2021 09:46	WG1662407
2-Chloronaphthalene	U		0.0682	0.250	1	05/02/2021 09:46	WG1662407
(S) Nitrobenzene-d5	*76.8*			*31.0-160*		*05/02/2021 09:46*	WG1662407
(S) 2-Fluorobiphenyl	*90.0*			*48.0-148*		*05/02/2021 09:46*	WG1662407
(S) p-Terphenyl-d14	*83.2*			*37.0-146*		*05/02/2021 09:46*	WG1662407

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	05/04/2021 20:15	WG1664128

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	05/04/2021 10:53	WG1663401

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	U		18.5	100	1	05/06/2021 19:06	WG1665090
Antimony	U		1.03	4.00	1	05/06/2021 19:06	WG1665090
Arsenic	U		0.180	2.00	1	05/06/2021 19:06	WG1665090
Barium	1.95	J	0.381	20.0	1	05/06/2021 19:06	WG1665090
Beryllium	U		0.190	2.00	1	05/06/2021 19:06	WG1665090
Cadmium	U		0.150	1.00	1	05/06/2021 19:06	WG1665090
Calcium	477	J	93.6	1000	1	05/06/2021 19:06	WG1665090
Chromium	U		1.24	2.00	1	05/06/2021 19:06	WG1665090
Copper	2.48	J	1.51	5.00	1	05/06/2021 19:06	WG1665090
Cobalt	U		0.0596	2.00	1	05/06/2021 19:06	WG1665090
Iron	U		28.1	100	1	05/06/2021 19:06	WG1665090
Lead	U		0.849	2.00	1	05/06/2021 19:06	WG1665090
Magnesium	116	J	73.5	1000	1	05/06/2021 19:06	WG1665090
Manganese	3.11	J	0.704	5.00	1	05/06/2021 19:06	WG1665090
Nickel	U		0.816	2.00	1	05/06/2021 19:06	WG1665090
Potassium	U		108	2000	1	05/06/2021 19:06	WG1665090
Selenium	U		0.300	2.00	1	05/06/2021 19:06	WG1665090
Silver	U		0.0700	2.00	1	05/06/2021 19:06	WG1665090
Sodium	1620	J	376	2000	1	05/06/2021 19:06	WG1665090
Thallium	U		0.121	2.00	1	05/06/2021 19:06	WG1665090
Vanadium	U		0.664	5.00	1	05/06/2021 19:06	WG1665090
Zinc	U		3.02	25.0	1	05/06/2021 19:06	WG1665090

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/06/2021 12:10	WG1663922
Benzene	U		0.0941	1.00	1	05/06/2021 12:10	WG1663922
Bromochloromethane	U		0.128	1.00	1	05/06/2021 12:10	WG1663922
Bromodichloromethane	U		0.136	1.00	1	05/06/2021 12:10	WG1663922
Bromoform	U		0.129	1.00	1	05/06/2021 12:10	WG1663922
Bromomethane	U	C3	0.605	5.00	1	05/06/2021 12:10	WG1663922
Carbon disulfide	U		0.0962	1.00	1	05/06/2021 12:10	WG1663922
Carbon tetrachloride	U	C3	0.128	1.00	1	05/06/2021 12:10	WG1663922
Chlorobenzene	U		0.116	1.00	1	05/06/2021 12:10	WG1663922
Chlorodibromomethane	U		0.140	1.00	1	05/06/2021 12:10	WG1663922
Chloroethane	U		0.192	5.00	1	05/06/2021 12:10	WG1663922
Chloroform	U		0.111	5.00	1	05/06/2021 12:10	WG1663922
Chloromethane	U		0.960	2.50	1	05/06/2021 12:10	WG1663922
Cyclohexane	U		0.188	1.00	1	05/06/2021 12:10	WG1663922
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	05/06/2021 12:10	WG1663922
1,2-Dibromoethane	U		0.126	1.00	1	05/06/2021 12:10	WG1663922
1,2-Dichlorobenzene	U		0.107	1.00	1	05/06/2021 12:10	WG1663922
1,3-Dichlorobenzene	U		0.110	1.00	1	05/06/2021 12:10	WG1663922

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	U		0.120	1.00	1	05/06/2021 12:10	WG1663922
Dichlorodifluoromethane	U		0.374	5.00	1	05/06/2021 12:10	WG1663922
1,1-Dichloroethane	U		0.100	1.00	1	05/06/2021 12:10	WG1663922
1,2-Dichloroethane	U		0.0819	1.00	1	05/06/2021 12:10	WG1663922
1,1-Dichloroethene	U		0.188	1.00	1	05/06/2021 12:10	WG1663922
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/06/2021 12:10	WG1663922
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/06/2021 12:10	WG1663922
1,2-Dichloropropane	U		0.149	1.00	1	05/06/2021 12:10	WG1663922
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/06/2021 12:10	WG1663922
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/06/2021 12:10	WG1663922
Ethylbenzene	U		0.137	1.00	1	05/06/2021 12:10	WG1663922
2-Hexanone	U		0.787	10.0	1	05/06/2021 12:10	WG1663922
Isopropylbenzene	U		0.105	1.00	1	05/06/2021 12:10	WG1663922
2-Butanone (MEK)	U		1.19	10.0	1	05/06/2021 12:10	WG1663922
Methyl Acetate	U		1.29	20.0	1	05/06/2021 12:10	WG1663922
Methyl Cyclohexane	U		0.660	1.00	1	05/06/2021 12:10	WG1663922
Methylene Chloride	U		0.430	5.00	1	05/06/2021 12:10	WG1663922
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/06/2021 12:10	WG1663922
Methyl tert-butyl ether	U		0.101	1.00	1	05/06/2021 12:10	WG1663922
Naphthalene	U	C3	1.00	5.00	1	05/06/2021 12:10	WG1663922
Styrene	U		0.118	1.00	1	05/06/2021 12:10	WG1663922
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/06/2021 12:10	WG1663922
Tetrachloroethene	U		0.300	1.00	1	05/06/2021 12:10	WG1663922
Toluene	U		0.278	1.00	1	05/06/2021 12:10	WG1663922
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	05/06/2021 12:10	WG1663922
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/06/2021 12:10	WG1663922
1,1,1-Trichloroethane	U		0.149	1.00	1	05/06/2021 12:10	WG1663922
1,1,2-Trichloroethane	U		0.158	1.00	1	05/06/2021 12:10	WG1663922
Trichloroethene	U		0.190	1.00	1	05/06/2021 12:10	WG1663922
Trichlorofluoromethane	U		0.160	5.00	1	05/06/2021 12:10	WG1663922
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/06/2021 12:10	WG1663922
Vinyl chloride	U		0.234	1.00	1	05/06/2021 12:10	WG1663922
Xylenes, Total	U		0.174	3.00	1	05/06/2021 12:10	WG1663922
(S) Toluene-d8	*113*			*80.0-120*		*05/06/2021 12:10*	WG1663922
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*		*05/06/2021 12:10*	WG1663922
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/06/2021 12:10*	WG1663922

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	142	J N	0.000	0.000	1	05/06/2021 12:10	WG1663922		
Cyclopropane, 1,1-Dibromo-2-Chloro-2-Fluoro-	73.2	J N	0.000	0.000	1	05/06/2021 12:10	WG1663922	24071-57-6	1.65
Benzene, Fluoro-	10.9	J N	0.000	0.000	1	05/06/2021 12:10	WG1663922	462-06-6	4.87
Benzene, Methyl-, Trifluoro Deriv.	4.73	J N	0.000	0.000	1	05/06/2021 12:10	WG1663922	27359-10-0	5.38
C6d5cd3	10.2	J N	0.000	0.000	1	05/06/2021 12:10	WG1663922	2037-26-5	5.90
Benzene-D5-, Chloro-	18.0	J N	0.000	0.000	1	05/06/2021 12:10	WG1663922	3114-55-4	7.05
1H,1H,2H,2H-Perfluorooctan-1-Ol	0.658	J N	0.000	0.000	1	05/06/2021 12:10	WG1663922	647-42-7	7.47
2-Furancarboxaldehyde	2.17	J N	0.000	0.000	1	05/06/2021 12:10	WG1663922	98-01-1	7.68
Benzene, 1-Bromo-3-Fluoro-	9.36	J N	0.000	0.000	1	05/06/2021 12:10	WG1663922	1073-06-9	8.01
1,4-Dichlorobenzene-D4	12.8	J N	0.000	0.000	1	05/06/2021 12:10	WG1663922	3855-82-1	8.96

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.