

PHASE II SUBSURFACE INVESTIGATION REPORT

Repair Shop
811 Main Street
Bradley Beach, New Jersey 07720

November 15, 2018
Partner Project Number: 18-226412.2

Prepared for:
Checkk Properties LLC
6930 Summerhill Road
Texarkana, Texas 75503



November 15, 2018

Mr. John Naples
Checkk Properties LLC
6930 Summerhill Road
Texarkana, Texas 75503

Subject: Phase II Subsurface Investigation Report
Repair Shop
811 Main Street
Bradley Beach, New Jersey 07720
Partner Project Number: 18-226412.2

Dear Mr. Naples:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the assessment performed on the above-referenced property. The following report describes the field activities, methods, and findings of the Phase II Subsurface Investigation conducted at the above-referenced property.

This assessment was performed utilizing methods and procedures consistent with good commercial or customary practices designed to conform to acceptable industry standards. The independent conclusions represent Partner's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide these services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Doreen Spinoso at (443) 394-6590.

Sincerely,

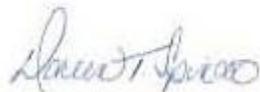
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Chris Niedzwiecki
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1.0 INTRODUCTION

1.1 Purpose

The purpose of the investigation was to identify the location of on-site underground storage tanks (USTs), former tankholds, and/or other associated features and to evaluate the potential impact of petroleum hydrocarbons, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and/or polynuclear aromatic hydrocarbons (PAHs) to soil and/or groundwater as a consequence of a release or releases from the former leaded and unleaded gasoline USTs, interior hydraulic lift, and interior trench drains recognized environmental conditions (RECs). Checkk Properties LLC provided project authorization of Partner Proposal Number P18-226412.2.

1.2 Limitations

This report presents a summary of work conducted by Partner. The work includes observations of site conditions encountered and the analytical results provided by an independent third-party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. It cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally-accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

1.3 User Reliance

Partner was engaged by Checkk Properties LLC (the Addressee), or their authorized representative, to perform this investigation. The engagement agreement specifically states the scope and purpose of the investigation, as well as the contractual obligations and limitations of both parties. This report and the information therein, are for the exclusive use of the Addressee. This report has no other purpose and may not be relied upon, or used, by any other person or entity without the written consent of Partner. Third parties that obtain this report, or the information therein, shall have no rights of recourse or recovery against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, the Addressee and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of, and commitment to, these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted Partner's standard Terms and Conditions, a copy of which can be found at <http://www.partneresi.com/terms-and-conditions.php>

2.0 SITE BACKGROUND

2.1 Site Description

The subject property consists of one parcel of land comprising 0.2525 acre located on the west side of Main Street and south side of Ocean Park Avenue within a mixed commercial/retail area of Monmouth County, New Jersey. The subject property is currently developed with a one-story commercial building, which was constructed *circa* 1944 and is currently vacant. The subject property was formerly occupied by Bill Rugge's Autotek, and former onsite operations appeared to consist of automobile repair activities. In addition to the current structure, the subject property is also improved with asphalt paved parking areas, an empty wooden shed on the southwestern portion of the property and associated landscaping.

The subject property is bound by a parking lot to the north, Main Street beyond which are commercial buildings to the east, a vacant building undergoing renovation to the south, and the Bradley Beach Fire Department to the west. Refer to Figure 1 for a site vicinity map showing site features and surrounding properties.

2.2 Site History

Partner completed a draft *Phase I Environmental Site Assessment Report* (Phase I), dated October 1, 2018, prepared on behalf of Checkk Properties, LLC. According to the reviewed historical sources, the subject property was previously developed with residential dwellings as early as 1890 and was developed with the existing structure *circa* 1944. The current structure was occupied by a gasoline filling station and automobile repair shop from *circa* 1944 through 1988 and solely as an automobile repair shop from 1988 to 2017. Tenants on the subject property have included residential tenants (1890 to 1930); Bradley American Service Station (1971-1981); Bradley Aamco Service Station (1969-1989); Autotek-auto repair shop (1986-2017) and vacant commercial building (2017-Present).

The Phase I identified the following recognized environmental conditions (RECs):

- The subject property, identified as Autotek Inc. (Bradley Amoco) at 811 Main Street, was listed as an UST facility in the regulatory database. The database report and the New Jersey Department of Environmental Protection (NJDEP) Program Interest (PI) Number 005656 related to this listing identifies two unleaded and one leaded gasoline USTs of unreported size that were installed in 1977 and removed in 1988 at the subject property. According to documentation provided to Partner, one 8,000-gallon gasoline UST and two 6,000-gallon gasoline USTs were removed from the subject property in 1988. The documentation provided to Partner included a Proposal for the removal of the three USTs by A&J Constructions Co.; a letter from the Borough of Bradley Beach Construction Department (indicating the USTs removal activities were witnessed by a Code Enforcement Officer); Laboratory Resources Chain of Custody (indicating that three (3) soils samples were collected at the time of the tank removal); and a Property Sweep conducted by Lawes Environmental Services, LLC (Lawes). The A&J Construction Co. proposal indicated that the three USTs and the pump island with two dispenser pumps and concrete pad surrounding the island were proposed to be removed and the area repaved with asphalt.

The Bradley Beach Construction Department letter indicated that the UST removal activities were witnessed by the Code Enforcement Officer and no visible cracks or fluid leaks were observed from the tanks. The Laboratory Resources Chain of Custody indicated that three soil samples were analyzed for petroleum hydrocarbons (TPH). No elevated levels of TPH were identified in the soil. Additionally, no evidence of underground fuel tanks or piping was identified during the property sweep conducted in 2018. No additional subsurface investigation related to the three former USTs appears to have been conducted at the subject property. The aforementioned post-excavation site investigation does not appear to adequately address the potential impacts of the former underground petroleum storage tanks. The location of the three soil samples is not known. It is not known if any samples were obtained in the area of the former dispenser island or underground piping. In addition, the laboratory analysis (TPH) does not adequately address the standard requirements for soil samples analysis for potential gasoline and/or diesel contaminants for soils. This lack of documentation confirming the proper closure of the three former USTs represents a potential environmental concern at the subject property and is considered an REC.

- The subject property historically operated as an auto repair shop with multiple bays. At the time of the site visit, evidence of two former hydraulic lifts was observed in the four repair bays of the subject property. The two hydraulic lifts appeared to be connected to buried hydraulic tank systems that appeared to be improperly abandoned based on the presence of remnants of the former lifts' plates, piston shafts and significant oil staining and discoloration in the vicinity of the two former hydraulic lifts. It is not known if the remaining two bays within the auto repair shop were previously equipped with automobile hydraulic lifts. The presence of improperly abandoned hydraulic lifts represents a potential adverse impact to the environmental integrity at the subject property and represents an REC.
- Several floor and trench drains were observed within the automobile repair shop area of the subject property. According to information provided by the subject property owner, Mr. Bill Rugge, the floor drains within the automobile shop had not been used for several years. He added that he was not aware of any oil/water separator (OWS) at the subject property. The discharge point of the floor drains was reported to be the municipal sewer system; however, Partner was not able to confirm the exact location of discharge of the floor drains within the auto repair shop. The current integrity of the floor drain systems is not known. The historic automobile repair activities would have required the usage, storage and disposal of various automobile related petroleum products and chemicals at the subject property. The lack of information related to the discharge points of the floor drains, the potential presence of an OWS, and the current integrity of the floor drains' piping system represent an REC.

2.3 Geology and Hydrogeology

Review of the United States Geological Survey (USGS) *Asbury Park, New Jersey* Quadrangle topographic map shows the subject property is situated at an elevation approximately 20 feet above mean sea level, and the local topography is sloping gently to the east. Refer to Figure 2 for a topographic map of the site vicinity.

The subject property is part of New Jersey Coastal Plain in the Atlantic Plain physiographic province. The Coastal Plain physiographic province lies along the Atlantic and Gulf Coasts from Long Island to Mexico and contains one of the most prolific system of aquifers in the country. New Jersey Coastal Plain is underlain by a wedge-shaped mass of unconsolidated sediments composed of clay, silt, sand and gravel. The wedge thins to a featheredge along the Fall Line and attains a thickness of over 6,000 feet at the tip of Cape May County, New Jersey. These sediments range in age from Cretaceous to Holocene and can be classified as continental, coastal or marine deposits. The Cretaceous and Tertiary age sediments generally strike on a northeast-southwest direction and dip gently to the southeast from 10 to 60 feet per mile. The overlying Quaternary deposits, where present, are basically flat lying. The unconsolidated Coastal Plain deposits, are unconformably underlain by a Pre-Cretaceous basement bedrock complex, which consists primarily of Precambrian and early Paleozoic age rocks.

The uppermost geologic formation underlying the soils at the subject property is the lower Miocene, Aquitanian Age Lower Member of the Kirkwood Formation, which comprises the underlying stratigraphy and consists mostly of gravelly light yellow to white fine to coarse grained sand or clay-silt or clay. The thickness of the Lower Member of the Kirkwood Formation ranges from 65 to 200 feet.

Information obtained from the United States Department of Agriculture (USDA) – Natural Resources Conservation Service (NRCS) Web Soil Survey on-line database indicates the subject property is mapped as Urban land. Urban land complex are those soils in which the soil's original structure and content have been so altered by human activities it has lost its original characteristics and is thus unidentifiable. Urban soils consist of nearly level to moderately steep areas where the soils have been altered or obscured by urban works and structures. Included in this unit in mapping are many small areas where the original soil material has been disturbed by construction and areas where fill has been added. Also included are small areas of undisturbed soils. The soil properties and characteristics of this unit vary.

Borings advanced during this investigation indicated the underlying subsurface consists predominantly of gray, tan, or white fine to coarse sand from the ground surface to the terminal drilling depth of 12 feet below ground surface (bgs) due to encountered groundwater or drilling refusal, which was encountered at 12 feet bgs. Brown to tan clayey medium to coarse sand was encountered at depths of 1 to 4 feet bgs at boring locations B1 through B8, and gray medium sand with trace amounts of crushed brick and concrete was encountered from below the ground surface to 3 feet bgs at boring location B5. Groundwater was encountered during this investigation between 11 and 11.5 feet bgs at boring locations B1 through B4 and B6. Groundwater was not encountered prior to drilling refusal at the remaining boring locations. Refer to Appendix A for boring logs from this investigation.

3.0 FIELD ACTIVITIES

The scope of the Phase II Subsurface Investigation included a geophysical survey and the advancement of eight borings (B1 through B8) for the collection of representative soil and/or groundwater samples. Refer to Table 1 for a summary of the borings, sampling schedule and laboratory analyses for this investigation.

3.1 Preparatory Activities

Prior to the initiation of fieldwork, Partner completed the following activities.

3.1.1 Utility Clearance

S & S Subsurface Investigations (S & S) of Egg Harbor City, New Jersey, notified New Jersey One Call (One Call) to clear public utility lines as required by law at least 72 hours prior to drilling activities. One Call issued ticket number 182921557 for the project.

3.1.2 Health and Safety Plan

Partner prepared a site-specific Health and Safety Plan, which was reviewed with on-site personnel involved in the project prior to the commencement of drilling activities.

3.2 Geophysical Survey

On October 31, 2018, Delta Geophysics Inc. (Delta) of Catasauqua, Pennsylvania, conducted a geophysical survey under the supervision of Partner on the accessible exterior and interior portions of the subject property building. The purpose of the geophysical survey was to identify the location of former on-site tankholds and/or existing USTs, piping, and/or associated features and to additionally clear boring locations of utilities. The geophysical survey was conducted with a Geophysical Survey Systems Inc. (GSSI) SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 megahertz (Mhz) antenna, Radiodetection RD7000 precision utility locator, and Fisher M-Scope TW-6 pipe and cable locator. Delta's GPR was configured to transmit to a depth of approximately 10 feet bgs; however, actual signal penetration was limited to approximately 1 to 4 feet bgs. The limiting factor was attenuation from near surface soils.

Delta systematically free-traversed the investigation area with the aforementioned equipment. The equipment data were interpreted in real time and compiled as necessary in order to identify subsurface anomalies consistent with lifts, disturbed soil resembling backfilled tankholds, piping trenches, utility lines, and/or other subsurface conduits/features.

The geophysical investigation did not detect any current or suspected USTs on the subject property. In addition, no obvious indications or former tankholds/excavations were detected on the subject property; however, GPR transects imaged an area of slightly disturbed soils in the parking lot area in the northeast portion of the subject property. Delta utilized the TW-6 to detect a metallic anomaly, measuring approximately 4 by 7 feet, to the east of the building. GPR transects above the feature imaged a flat anomaly, inconsistent with an UST. Review of aerial photographs indicated a potential dispenser island was located at the area of the metallic anomaly.

Delta and Partner visually observed evidence of two belowground hydraulic lifts in the two central former auto repair bays. The piston had been removed from the cylinder (which remained in place) associated with the northern belowground lift, and the cylinder and piston associated with the southern belowground lift appeared to remain in place and was observed to have been filled with absorbent material. Two sets of lift controls were observed along the western interior wall of the auto repair bays. Delta utilized the RD7000 to confirm these controls were associated with the abandoned belowground lifts. GPR transects in the vicinity of the belowground lifts were limited due to reinforced concrete; however, no obvious belowground fluid reservoirs were observed in the vicinity of the belowground lifts or controls.

Two trench drains were observed centrally located in the northernmost and southern most repair bays (immediately north and south of the belowground lifts). According to Mr. Rugge, the trench drains formerly received wash and rinse water from car washing operations. The drains were full of soil and refuse; however, appeared to extend to less than one-foot bgs. Delta detected effluent piping exiting the eastern ends of the drains, which connected to a sanitary sewer lateral observed to transect from the northern portion of the repair bars to a manhole cover in the southern portion. Upon removal of the manhole cover, two cleanouts were observed. One cleanout was associated with the trench drains, and the second cleanout was associated with the sanitary sewer line connected to the restroom in the office portion of the shop. Delta confirmed the sanitary sewer line transected east from the manhole towards Main Street, where it is presumed to connect to the municipal sanitary sewer line. No evidence of any current or former OWS systems were observed to be associated with the sanitary sewer.

Refer to Appendix B for a copy of the geophysical survey report, which provides additional details regarding the geophysical survey equipment and methodology.

3.3 Drilling Equipment

On October 31, 2018, Partner subcontracted with S & S to provide and operate drilling equipment. S & S, under the direction of Partner, advanced borings B1 through B8 with a track-mounted Geoprobe Model 540LT direct push rig. Sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

3.4 Boring Locations

Borings B1 through B4 were advanced in the southeastern, southwestern, northwestern, and northeastern corners of the suspected former UST area, respectively; borings B5 and B6 were advanced to the west and to the south of the belowground hydraulic lifts in the vacant building, respectively; and borings B7 and B8 were advanced to the south and to the west of the floor drains in the vacant building, respectively. Refer to Figure 3 for a map indicating boring locations.

3.5 Soil Sampling

Borings B1 through B4 were overlain by 3 inches of asphalt, which was penetrated directly by the MacroCore barrel. Borings B5 through B8 were overlain by 4 inches of concrete, which was penetrated using a concrete coring attachment advanced by the direct-push drill rig. Borings B1 through B4 were advanced to a terminal depth of 12 feet bgs due to encountered groundwater, and borings B5 through B8 were advanced until drilling refusal was encountered at a depth of 12 feet bgs.

Soil samples were collected using a 4-foot long by 2.25-inch diameter MacroCore sampler with a 4-foot long acetate liner, which was advanced by the direct-push drill rig using 4-foot long by 1.25-inch diameter drilling rods. The sampler was driven into the subsurface to allow undisturbed soil to enter the open MacroCore barrel and retrieved in 4-foot intervals to recover the soil-filled liners.

A lengthwise section of each acetate liner was removed with a splitting tool to expose the soil. The soil column was visually inspected for discoloration, monitored for odors, and classified in accordance with the Unified Soil Classification System (USCS). Select intervals were field-screened with a photo-ionization detector (PID) calibrated to isobutylene. PID readings above the background level of 0.0 parts per million (ppm), staining, and/or olfactory evidence were not observed in soils recovered from borings B1 through B8.

Soil depths selected for laboratory analysis from boring locations B1 through B4, B7, and B8 were sampled directly from the liners using a disposable plastic syringe and transferred into a methanol-preserved volatile organics analysis (VOA) vial, two unpreserved VOA vials containing deionized water, and a 2-ounce unpreserved plastic bottle in accordance with United States Environmental Protection Agency (EPA) Method 5035 sampling protocol for submittal of samples for VOC analysis in accordance with EPA Method 8260.

An additional soil sample was collected from boring locations B1 and B2 by transferring soil directly from the liners into a laboratory-supplied, 2-ounce, wide-mouth, unpreserved glass jar, which was sealed with a threaded, Teflon-lined lid for submittal of samples for total lead analysis in accordance with EPA Method 6010.

An additional soil sample was collected from boring locations B7 and B8 by transferring soil directly from the liners into a laboratory-supplied, 4-ounce, wide-mouth, unpreserved glass jar, which was sealed with a threaded, Teflon-lined lid for submittal of samples for PAH analysis in accordance with EPA Method 8270.

Soil depths selected for laboratory analysis from boring locations B5 and B6 were sampled directly from the liners by transferring soil directly from the liners into a laboratory-supplied, 8-ounce, wide-mouth, unpreserved glass jar, which was sealed with a threaded, Teflon-lined lid for submittal of samples for extractable petroleum hydrocarbon (EPH) Category 2 analysis via NJDEP Methodology with contingent PAH analysis via EPA method 8270 on 25% of soils samples exhibiting an EPH concentration of 100 milligrams per kilogram (mg/kg) or higher.

The jars and bottles were filled with soil to capacity to minimize headspace and reduce the potential for volatilization, and the jars, bottles, and vials were labeled for identification, and stored within an iced-cooler.

In lieu of elevated PID readings, olfactory evidence, and/or staining, soil samples were collected from approximately 2 feet above the groundwater interface and/or drilling refusal. Soil samples were collected from 8.5 to 9 feet bgs at boring locations B1 through B4, and from 10 to 10.5 feet bgs at boring locations B5 through B8.

3.6 Groundwater Sampling

After soil sampling to the terminal depth, a groundwater sample was collected from borings B1, B3, and B6. Groundwater was not encountered prior to drilling refusal in the borings advanced near the floor drains (B7 and B8). The temporary groundwater sampling point consisted of a 10-foot long, 0.010-inch factory-slotted polyvinyl chloride (PVC) screen at the terminal end with 2 feet of blank PVC riser material to the surface and were screened from 2 to 12 feet bgs.

The groundwater samples were retrieved from the temporary groundwater sampling point using a new, dedicated polyethylene bailer and conveyed into three hydrochloric acid-preserved VOA vials for submittal of samples for VOC plus tentatively identified compounds (TIC) analysis in accordance with EPA Method 8260.

An additional groundwater sample was collected from boring location B1 by conveying groundwater into two sodium thiosulfate-preserved VOA vials for submittal of samples for 1,2-dibromoethane and 1,2-dichloroethane analysis in accordance with EPA Method 8011.

An additional groundwater sample was collected from boring location B6 by conveying groundwater into two 250-milliliter unpreserved amber glass jars for submittal of samples for SVOC plus TIC analysis in accordance with EPA Method 8270 Select Ion Monitoring (SIM).

Each vial and jar was filled with no observable headspace or air bubbles to minimize the potential for volatilization, labeled for identification and stored in an iced-cooler. New screens, bailers, and string were used for the sampling of the temporary groundwater sampling point, as described above.

3.7 Post-Sampling Activities

MacroCore barrels and temporary groundwater sampling points were removed from the subsurface and the boreholes were backfilled with hydrated bentonite chips following sampling activities. Boreholes advanced in improved areas were capped with concrete or asphalt patch to match existing ground cover after being backfilled.

No significant amounts of derived wastes were generated during this investigation.

4.0 LABORATORY ANALYSIS

4.1 Laboratory Analysis

Partner collected eight soil samples and three groundwater samples on October 31, 2018, which were transported in an iced cooler under chain-of-custody protocol to Alpha Analytical Labs (Alpha), a state-certified laboratory [National Environmental Laboratory Accreditation Program (NELAP) certificate number MA935] in the Town of Westborough, Massachusetts for analysis.

The soil samples collected from borings advanced to address the former leaded gasoline USTs (boring locations B1 and B2) were analyzed for VOCs including 1,2-dibromoethane and 1,2-dichloroethane in accordance with EPA Method 8260 and for total lead in accordance with EPA Method 6010.

The soil samples collected from borings advanced to address the former unleaded gasoline USTs (boring locations B3 and B4) were analyzed for VOCs excluding 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, and 1,4-dioxane in accordance with EPA Method 8260 and for tert-butyl alcohol (TBA) in accordance with EPA Method 8260.

The soil samples collected from borings advanced to address the belowground hydraulic lifts (borings B5 and B6) were analyzed for EPH Category 2 in accordance with NJDEP methodology with contingent PAH analysis via EPA method 8270 on 25% of soils samples exhibiting an EPH concentration of 100 mg/kg or higher. Contingent PAH analysis was not performed on the soil samples as EPH was not detected at a concentration above the contingent analysis trigger of 100 mg/kg or greater EPH.

The soil samples collected from borings advanced in the vicinity of the floor drains (boring locations B7 and B8) were analyzed for VOCs in accordance with EPA Method 8260 and for PAHs in accordance with EPA Method 8270.

The groundwater samples collected during this investigation were placed on hold at the laboratory, pending the soil sample analytical results.

4.2 Laboratory Analytical Results

Laboratory analytical results are included in Appendix C and discussed below.

4.2.1 Soil Sample Analytical Results

As shown in Table 2, the VOCs acetone and/or TBA were detected at concentrations above the laboratory method detection limits (MDLs) in the soil samples collected from borings B3, B4, B7, and B8. The remaining VOCs were not detected at concentrations above the laboratory MDLs in the soil samples collected from borings B1 through B4, B7, and B8.

Five VOC TICs were detected at concentrations above the laboratory MDLs in the soil samples collected from borings B2, B3, B4, B7, and B8. VOC TICs were not detected at concentrations above the laboratory MDLs in the soil sample collected from boring location B1.

PAHs were not detected at concentrations above the laboratory MDLs in the soil samples collected from borings B7 and B8.

EPH was not detected at a concentration above the laboratory MDLs in the soil samples collected from borings B5 and B6.

Total lead was detected at a concentration above the laboratory MDLs in the soil samples collected from boring locations B1 and B2.

5.0 DISCUSSION AND CONCLUSIONS

5.1 Regulatory Agency Guidance

The soil VOC, PAH, and total lead analytical results were compared to the New Jersey Default Impact to Groundwater Soil Screening Levels (IGWSSLs), which are the screening level for potential soil to groundwater leaching concerns; the New Jersey Residential Direct Contact Soil Remediation Standards (SRS), which is the soil to human direct contact standard applicable to residential use; and the New Jersey Non-Residential Direct Contact SRS, which is the soil to human direct contact standard applicable to non-residential use (the current subject property use).

The soil EPH analytical results were compared to the NJDEP Site Remediation Program (SRP) Protocol for Addressing EPH for a residential and non-residential exposure scenario.

5.2 Discussion

5.2.1 Former Leaded and Unleaded Gasoline USTs (Borings B1 through B4)

The VOCs acetone and/or TBA were detected at concentrations above the laboratory MDLs but below the IGWSSLs, Residential SRS, and Non-Residential SRS in the soil samples collected from boring locations B3 and B4. The remaining VOCs were not detected at concentrations above the laboratory MDLs, which were in turn below the IGWSSLs, Residential SRS, and Non-Residential SRS, in the soil samples collected from boring locations B1 through B4.

Four VOC TICs were detected at concentrations above the laboratory MDLs in the soil samples collected from borings B2, B3, and B4. VOC TICs were not detected at concentrations above the laboratory MDLs in the soil sample collected from boring location B1.

Lead was detected at a concentration above the laboratory MDLs but below the IGWSSLs, Residential SRS, and Non-Residential SRS in the soil samples collected from boring locations B1 and B2.

5.2.2 Belowground Hydraulic Lifts (Borings B5 and B6)

EPH was not detected at a concentration above the laboratory MDLs, which were in turn below the EPH contingency analysis trigger of 100 mg/kg or greater EPH, in the soil samples collected from borings B5 and B6. Fractionation was not required because the EPH concentration did not exceed 1,700 mg/kg EPH, and remediation of EPH does not appear to be required because EPH was not detected at concentrations above the residual product/free product limit of 17,000 mg/kg EPH.

5.2.3 Floor Drains (Borings B7 and B8)

Acetone was detected at a concentration above the laboratory MDLs but below the IGWSSLs, Residential SRS, and Non-Residential SRS in the soil samples collected from borings B7 and B8. The remaining VOCs were not detected at concentrations above the laboratory MDLs, which were in turn below the IGWSSLs, Residential SRS, and Non-Residential SRS, in the soil samples collected from boring locations B7 and B8.

Three VOC TICs were detected at concentrations above the laboratory MDLs in the soil samples collected from borings B7 and B8.

PAHs were not detected at concentrations above the laboratory MDLs, which were in turn below the IGWSSLs, Residential SRS, and Non-Residential SRS, in the soil samples collected from borings B7 and B8.

5.3 Summary and Conclusions

Partner conducted a Phase II Subsurface Investigation at the subject property to identify the location of on-site underground storage tanks (USTs), former tankholds, and/or other associated features and to evaluate the potential impact of petroleum hydrocarbons, VOCs, SVOCs, and/or PAHs to soil and/or groundwater as a consequence of a release or releases from the former leaded and unleaded gasoline USTs, interior hydraulic lift, and interior trench drains RECs. The scope of the Phase II Subsurface Investigation included a geophysical survey and the advancement of eight borings.

Subsurface lithology encountered in the upper 12 feet bgs consisted of gray, tan, or white fine to medium sand, brown to tan clayey medium to coarse sand, and/or gray medium sand with trace amounts of crushed brick and concrete.

Groundwater was encountered during this investigation between 11 and 11.5 feet bgs at boring locations B1 through B4 and B6. Groundwater was not encountered prior to the depth of drilling refusal at the remaining boring locations.

5.3.1 Former Leaded and Unleaded Gasoline USTs (Borings B1 through B4)

The geophysical survey identified an area of slightly disturbed soils in the parking lot area in the northeast portion of the subject property, corresponding to the suspected location of the former leaded and unleaded gasoline USTs. Four soil borings were advanced within this area (B1 through B4).

Based on soil sampling results and the geophysical survey, there is no evidence of remnant USTs at the subject property and no evidence of a historic release associated with the former leaded and unleaded gasoline USTs. No further investigation is warranted at this time.

5.3.2 Belowground Hydraulic Lifts (Borings B5 and B6)

Two abandoned belowground hydraulic lifts were identified on the subject property. No belowground fluid reservoirs were detected in the vicinity of the belowground hydraulic lifts. Based on soil sampling results, there is no evidence of a historical release associated with the abandoned belowground hydraulic lifts.

5.3.3 Floor Drains (Borings B7 and B8)

The geophysical investigation determined the sanitary lines associated with the trench drains exited the subject property and presumably connects to the municipal sanitary sewer line. No evidence of any current or former OWS was identified on the subject property. Based on soil sampling results, there is no evidence of a historical releases associated with the trench drains.

TABLES

Table 1: Summary of Investigation Scope
811 Main Street
Bradley Beach, New Jersey 07720
Partner Project Number 18-226412.2
October 31, 2018

| Boring Identification | Location | Terminal Depth (feet bgs) | Matrix Sampled | Sampling Depths (feet bgs) | Target Analytes |
|-----------------------|--|---------------------------|----------------|----------------------------|-----------------|
| B1 | Southeastern corner of former UST area | 12 | Soil | 8.5 to 9 | VOCs* and Lead |
| | | | Groundwater | Screened 2 to 12 | VOCs* |
| B2 | Southwestern corner of former UST area | 12 | Soil | 8.5 to 9 | VOCs* and Lead |
| B3 | Northwestern corner of former UST area | 12 | Soil | 8.5 to 9 | VOCs** and TBA |
| | | | Groundwater | Screened 2 to 12 | VOCs** and TBA |
| B4 | Northeastern corner of former UST area | 12 | Soil | 8.5 to 9 | VOCs** and TBA |
| B5 | West of belowground hydraulic lift | 12*** | Soil | 10 to 10.5 | EPH Category 2 |
| B6 | South of belowground hydraulic lift | 12*** | Soil | 10 to 10.5 | EPH Category 2 |
| | | | Groundwater | Screened 2 to 12 | VOCs and SVOCs |
| B7 | South of the floor drain | 12*** | Soil | 10 to 10.5 | VOCs and PAHs |
| B8 | West of the floor drain | 12*** | Soil | 10 to 10.5 | VOCs and PAHs |

Notes:

bgs = below ground surface

REC = recognized environmental condition

UST = underground storage tank

VOCs = volatile organic compounds

TBA = tert-Butyl alcohol

EPH = extractable petroleum hydrocarbons with contingent polycyclic aromatic hydrocarbons (PAH) analysis

PAHs = polycyclic aromatic hydrocarbons

SVOCs = semivolatile organic compounds plus Tentatively Identified Compounds (TICs)

* = VOCs plus TICs including 1,2-dibromoethane and 1,2-dichloroethane

** = VOCs plus TICs excluding 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, and 1,4-dioxane

*** = refusal encountered at terminal depth

Table 2: Soil Sample Laboratory Results Summary
811 Main Street
Bradley Beach, New Jersey 07720
Partner Project Number 18-226412.2
October 31, 2018

| Analyte | NJ-IGWS | NJ-RDCSRS | NJ-NRDCSRS | B1 (8.5-9) | B2 (8.5-9) | B3 (8.5-9) | B4 (8.5-9) | B5 (10-10.5) | B6 (10-10.5) | B7 (10-10.5) | B8 (10-10.5) |
|--|---------|-----------|------------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|
| VOCs via EPA Method 8260 (mg/kg) | | | | | | | | | | | |
| Acetone | 19 | 70000 | NE | <0.0047 | <0.0051 | <0.004 | 0.01 | - | - | 0.0054 J | <0.005 |
| Tert-Butyl Alcohol | 0.3 | 1400 | 11000 | - | - | 0.0066 J | 0.022 | - | - | - | - |
| VOC TICs via EPA Method 8260 (mg/kg) | | | | | | | | | | | |
| n-Hexane | NE | NE | NE | - | - | - | 0.002 NJ | - | - | - | - |
| Unknown | NE | NE | NE | - | - | - | 0.012 J | - | - | 0.008 J | 0.009 J |
| Unknown | NE | NE | NE | - | - | - | 0.007 J | - | - | 0.015 J | 0.014 J |
| Unknown | NE | NE | NE | - | - | 0.002 J | - | - | - | - | - |
| Unknown Alkane | NE | NE | NE | - | 0.002 J | 0.003 J | - | - | - | - | - |
| Total TIC Compounds | NE | NE | NE | - | 0.002 J | 0.005 J | 0.021 J | - | - | 0.022 J | 0.023 J |
| PAHs via EPA Method 8270 (mg/kg) | | | | | | | | | | | |
| PAHs were not identified at concentrations above the laboratory MDLs in soil samples B7 (10-10.5) and B8 (10-10.5) | | | | | | | | | | | |
| EPH Category 2 via NJDEP Methodology (mg/kg) | | | | | | | | | | | |
| Total EPH | NE | NE | NE | - | - | - | - | <24.3 | <23.1 | - | - |
| Lead via EPA Method 6010 (mg/kg) | | | | | | | | | | | |
| Total Lead | 90 | 400 | 800 | 0.573 J | 0.623 J | - | - | - | - | - | - |

Notes:

EPA = United States Environmental Protection Agency

EPH = extractable petroleum hydrocarbons

PAHs = polycyclic aromatic hydrocarbons

NJDEP = New Jersey Department of Environmental Protection

mg/kg = milligrams per kilogram

< = not detected above indicated laboratory Method Detection Limit (MDL)

J = Estimated value. The Target analyte concentration is below the reporting limit (RL), but above the MDL

NJ = Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search

NE = not established

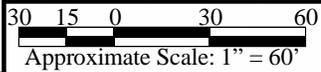
NJ-IGWS: New Jersey Impact to Groundwater Soil Screening Levels (IGWSSL) Criteria per November 2013 Guidance Regulation (Version 2.0).

NJ-RDCSRS: New Jersey 2017 Residential Direct Contact Soil Remediation Standards Criteria per Soil Remediation Standards, last amended September 18, 2017.

NJ-NRDCSRS: New Jersey 2017 Non-Residential Direct Contact Soil Remediation Standards Criteria per Soil Remediation Standards, last amended September 18, 2017.

FIGURES

PARTNER



PARTNER
 Engineering and Science, Inc.
 611 Industrial Way West
 Eatontown, New Jersey 07724
 Project Number: 18-226412.2



Legend
 Subject Site 

| Sampling Location Map | | |
|--|----------------|---------------|
| Figure | Prepared By | Date |
| 1 | C. Niedzwiecki | November 2018 |
| 811 Main Street Bradley Beach, New Jersey 07720 | | |



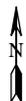
**Subject
Property**



PARTNER

Engineering and Science, Inc.
611 Industrial Way West
Eatontown, New Jersey 07724

Project Number: 18-226412.2

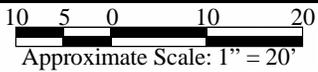
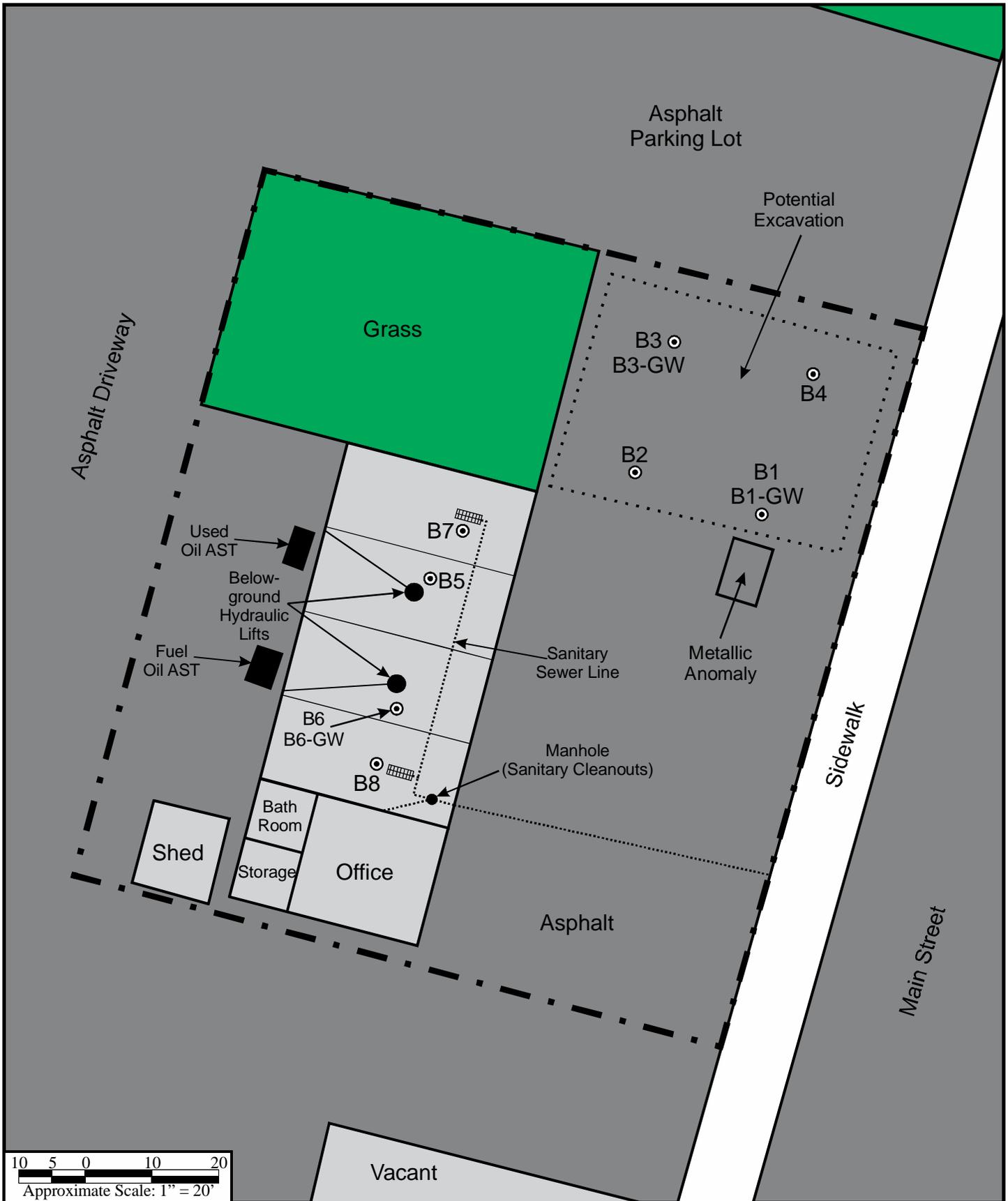


USGS Asbury Park, New Jersey Quadrangle
Version: 2016

Topographic Map

| Figure | Prepared By | Date |
|--------|----------------|---------------|
| 2 | C. Niedzwiecki | November 2018 |

811 Main Street
Bradley Beach, New Jersey 07720



PARTNER
 Engineering and Science, Inc.
 611 Industrial Way West
 Eatontown, New Jersey 07724
 Project Number: 18-226412.2

| Legend | |
|--------|-----------------|
| | Subject Site |
| | Boring Location |
| | Floor Drain |

| Sample Location Map | | |
|--|----------------|---------------|
| Figure | Prepared By | Date |
| 3 | C. Niedzwiecki | November 2018 |
| 811 Main Street Bradley Beach, New Jersey 07720 | | |

APPENDIX A: BORING LOGS

| Boring Number: | | B1 | | Page 1 of 1 | |
|---------------------|------------|--|------|---|---|
| Location: | | Southeastern corner of former UST area | | Date Started: | 10/31/2018 |
| Site Address: | | 811 Main Street | | Date Completed: | 10/31/2018 |
| | | Bradley Beach, New Jersey 07720 | | Depth to Groundwater: | 11 |
| Project Number: | | 18-226412.2 | | Field Technician: | Chris Niedzwiecki |
| Drill Rig Type: | | Geoprobe Model 54LT | | Partner Engineering and Science, Inc. | |
| Sampling Equipment: | | 4.0 four MacroCore | | 611 Industrial Way West | |
| Borehole Diameter: | | 2.25-inch | | Eatontown, NJ 07724 | |
| Depth | Sample | PID | USCS | Description | Notes |
| 1 | B1 (8.5-9) | 0.0 | SP | Gray fine to medium sand, soft, moist | Boring was overlain by three inches of asphalt |
| 2 | | 0.0 | SC | Tan clayey sand, soft, slightly moist | |
| 3 | | 0.0 | | | |
| 4 | | 0.0 | | | |
| 5 | | 0.0 | | | |
| 6 | | 0.0 | | | |
| 7 | | 0.0 | | | |
| 8 | | 0.0 | SP | Tan medium to coarse sand, soft, moist | 3.5 feet recovery, no odor/staining |
| 9 | | 0.0 | | | A soil sample was collected from 8.5 to 9 feet bgs at 1025 for VOC and lead analysis |
| 10 | | 0.0 | | | 2.25 feet recovery, no odor/staining |
| 11 | | 0.0 | | | Boring B1 was converted into a temporary groundwater sampling point, screened from 2 to 12 feet bgs. Groundwater sample B1-GW was collected at 1035 for VOC analysis. |
| 12 | | 0.0 | | Tan medium to coarse sand, soft, wet | |
| 13 | | | | Boring was terminated at 12 feet bgs due to encountered groundwater | |
| 14 | | | | | |
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| Boring Number: | | B2 | | Page 1 of 1 | |
|---------------------|------------|--|------|---|--|
| Location: | | Southwestern corner of former UST area | | Date Started: | 10/31/2018 |
| Site Address: | | 811 Main Street | | Date Completed: | 10/31/2018 |
| | | Bradley Beach, New Jersey 07720 | | Depth to Groundwater: | 11 |
| Project Number: | | 18-226412.2 | | Field Technician: | Chris Niedzwiecki |
| Drill Rig Type: | | Geoprobe Model 54LT | | Partner Engineering and Science, Inc. | |
| Sampling Equipment: | | 4.0 four MacroCore | | 611 Industrial Way West | |
| Borehole Diameter: | | 2.25-inch | | Eatontown, NJ 07724 | |
| Depth | Sample | PID | USCS | Description | Notes |
| 1 | | 0.0 | | | Boring was overlain by three inches of asphalt |
| 2 | | 0.0 | SP | Gray fine to medium sand, soft, moist | 2.5 feet recovery, no odor/staining |
| 3 | | 0.0 | | | |
| 4 | | 0.0 | SC | Tan clayey medium to coarse sand, soft, moist | |
| 5 | | 0.0 | | | 3.5 feet recovery, no odor/staining |
| 6 | | 0.0 | | | |
| 7 | | 0.0 | | | |
| 8 | | 0.0 | SP | Tan medium to coarse sand, soft, moist | |
| 9 | B2 (8.5-9) | 0.0 | | | A soil sample was collected from 8.5 to 9 feet bgs at 1100 for VOC and lead analysis |
| 10 | | 0.0 | | | 3.0 feet recovery, no odor/staining |
| 11 | | 0.0 | | | |
| 12 | | 0.0 | | Tan medium to coarse sand, soft, wet | |
| 13 | | | | Boring was terminated at 12 feet bgs due to encountered groundwater | |
| 14 | | | | | |
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| Boring Number: | | B3 | | Page 1 of 1 | |
|---------------------|------------|--|------|---|--|
| Location: | | Northwestern corner of former UST area | | Date Started: | 10/31/2018 |
| Site Address: | | 811 Main Street | | Date Completed: | 10/31/2018 |
| | | Bradley Beach, New Jersey 07720 | | Depth to Groundwater: | 11 |
| Project Number: | | 18-226412.2 | | Field Technician: | Chris Niedzwiecki |
| Drill Rig Type: | | Geoprobe Model 54LT | | Partner Engineering and Science, Inc. | |
| Sampling Equipment: | | 4.0 four MacroCore | | 611 Industrial Way West | |
| Borehole Diameter: | | 2.25-inch | | Eatontown, NJ 07724 | |
| Depth | Sample | PID | USCS | Description | Notes |
| 1 | | 0.0 | | | Boring was overlain by three inches of asphalt |
| 2 | | 0.0 | SP | White fine to medium sand, soft, moist | |
| 3 | | 0.0 | | | 2.25 feet recovery, no odor/staining |
| 4 | | 0.0 | SC | Tan clayey medium to coarse sand, soft, moist | |
| 5 | | 0.0 | | Tan medium to coarse sand, soft, moist | |
| 6 | | 0.0 | | | 2.5 feet recovery, no odor/staining |
| 7 | | 0.0 | | | |
| 8 | | 0.0 | | | |
| 9 | B3 (8.5-9) | 0.0 | SP | Light tan medium to coarse sand, soft, moist | A soil sample was collected from 8.5 to 9 feet bgs at 930 for VOC analysis |
| 10 | | 0.0 | | | 3.0 feet recovery, no odor/staining |
| 11 | | 0.0 | | | Boring B3 was converted into a temporary groundwater sampling point, screened from 2 to 12 feet bgs. Groundwater sample B3-GW was collected at 935 for VOC analysis. |
| 12 | | 0.0 | | Light tan medium to coarse sand, soft, wet | |
| 13 | | | | Boring was terminated at 12 feet bgs due to encountered groundwater | |
| 14 | | | | | |
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| Boring Number: | | B4 | | Page 1 of 1 | | |
|---------------------|------------|--|--|---|--|---|
| Location: | | Northeastern corner of former UST area | | Date Started: | 10/31/2018 | |
| Site Address: | | 811 Main Street | | Date Completed: | 10/31/2018 | |
| | | Bradley Beach, New Jersey 07720 | | Depth to Groundwater: | 11 | |
| Project Number: | | 18-226412.2 | | Field Technician: | Chris Niedzwiecki | |
| Drill Rig Type: | | Geoprobe Model 54LT | | Partner Engineering and Science, Inc. | | |
| Sampling Equipment: | | 4.0 four MacroCore | | 611 Industrial Way West | | |
| Borehole Diameter: | | 2.25-inch | | Eatontown, NJ 07724 | | |
| Depth | Sample | PID | USCS | Description | Notes | |
| 1 | B4 (8.5-9) | 0.0 | SP | White fine sand, soft, moist | Boring was overlain by three inches of asphalt | |
| 2 | | 0.0 | | | | |
| 3 | | 0.0 | SC | Tan clayey medium to coarse sand, soft, moist | 2.0 feet recovery, no odor/staining | |
| 4 | | 0.0 | | | | |
| 5 | | 0.0 | SP | Tan medium to coarse sand, soft, moist | 2.5 feet recovery, no odor/staining | |
| 6 | | 0.0 | | | | |
| 7 | | 0.0 | | | | |
| 8 | | 0.0 | | | | |
| 9 | | 0.0 | | | | A soil sample was collected from 8.5 to 9 feet bgs at 1000 for VOC analysis |
| 10 | | 0.0 | | | | |
| 11 | | 0.0 | Light tan medium to coarse sand, soft, moist | 3.75 feet recovery, no odor/staining | | |
| 12 | | 0.0 | | | | |
| 13 | | | | Boring was terminated at 12 feet bgs due to encountered groundwater | | |
| 14 | | | | | | |
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| Boring Number: | | B5 | | Page 1 of 1 | |
|---------------------|--------------|------------------------------------|------|---|--|
| Location: | | West of belowground hydraulic lift | | Date Started: | 10/31/2018 |
| Site Address: | | 811 Main Street | | Date Completed: | 10/31/2018 |
| | | Bradley Beach, New Jersey 07720 | | Depth to Groundwater: | N/A |
| Project Number: | | 18-226412.2 | | Field Technician: | Chris Niedzwiecki |
| Drill Rig Type: | | Geoprobe Model 54LT | | Partner Engineering and Science, Inc. | |
| Sampling Equipment: | | 4.0 four MacroCore | | 611 Industrial Way West | |
| Borehole Diameter: | | 2.25-inch | | Eatontown, NJ 07724 | |
| Depth | Sample | PID | USCS | Description | Notes |
| 1 | | 0.0 | | | Boring was overlain by four inches of concrete |
| 2 | | 0.0 | N/A | Gray medium sand with trace amounts of crushed brick and concrete, soft, slightly moist | 2.75 feet recovery, no odor/staining |
| 3 | | 0.0 | | | |
| 4 | | 0.0 | SC | Tan clayey medium to coarse sand, soft, slightly moist | |
| 5 | | 0.0 | | | 3.5 feet recovery, no odor/staining |
| 6 | | 0.0 | | | |
| 7 | | 0.0 | | | |
| 8 | | 0.0 | SP | Tan medium to coarse sand, soft, slightly moist | |
| 9 | | 0.0 | | | 3.5 feet recovery, no odor/staining |
| 10 | | 0.0 | | | A soil sample was collected from 10 to 10.5 feet bgs at 1150 for EPH Category 2 analysis |
| 11 | B5 (10-10.5) | 0.0 | | | |
| 12 | | 0.0 | | | |
| 13 | | | | Boring was terminated at 12 feet bgs due to drilling refusal | |
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| Boring Number: | | B6 | | Page 1 of 1 | |
|---------------------|--------------|-------------------------------------|------|---|--|
| Location: | | South of belowground hydraulic lift | | Date Started: | 10/31/2018 |
| Site Address: | | 811 Main Street | | Date Completed: | 10/31/2018 |
| | | Bradley Beach, New Jersey 07720 | | Depth to Groundwater: | 11.5 |
| Project Number: | | 18-226412.2 | | Field Technician: | Chris Niedzwiecki |
| Drill Rig Type: | | Geoprobe Model 54LT | | Partner Engineering and Science, Inc. | |
| Sampling Equipment: | | 4.0 four MacroCore | | 611 Industrial Way West | |
| Borehole Diameter: | | 2.25-inch | | Eatontown, NJ 07724 | |
| Depth | Sample | PID | USCS | Description | Notes |
| 1 | B6 (10-10.5) | 0.0 | SP | Gray medium to coarse sand, soft, slightly moist | Boring was overlain by four inches of concrete 2.0 feet recovery, no odor/staining |
| 2 | | 0.0 | | | |
| 3 | | 0.0 | | | |
| 4 | | 0.0 | SC | Tan clayey medium to coarse sand, soft, moist | 2.5 feet recovery, no odor/staining |
| 5 | | 0.0 | SP | Tan medium to coarse sand, soft, moist | |
| 6 | | 0.0 | | | |
| 7 | | 0.0 | | | |
| 8 | | 0.0 | | | |
| 9 | | 0.0 | SP | Tan medium to coarse sand, soft, moist | Boring B6 was converted into a temporary groundwater sampling point, screened from 2 to 12 feet bgs. Groundwater sample B6-GW was collected at 1300 for VOC and SVOC analysis. |
| 10 | | 0.0 | | | |
| 11 | | 0.0 | | | A soil sample was collected from 10 to 10.5 feet bgs at 1215 for EPH Category 2 analysis |
| 12 | | 0.0 | | Tan medium to coarse sand, soft, wet | 3.25 feet recovery, no odor/staining |
| 13 | | | | Boring was terminated at 12 feet bgs due to encountered groundwater | |
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| Boring Number: | | B7 | | Page 1 of 1 | |
|---------------------|--------------|---------------------------------|------|--|---|
| Location: | | South of the floor drain | | Date Started: | 10/31/2018 |
| Site Address: | | 811 Main Street | | Date Completed: | 10/31/2018 |
| | | Bradley Beach, New Jersey 07720 | | Depth to Groundwater: | N/A |
| Project Number: | | 18-226412.2 | | Field Technician: | Chris Niedzwiecki |
| Drill Rig Type: | | Geoprobe Model 54LT | | Partner Engineering and Science, Inc. | |
| Sampling Equipment: | | 4.0 four MacroCore | | 611 Industrial Way West | |
| Borehole Diameter: | | 2.25-inch | | Eatontown, NJ 07724 | |
| Depth | Sample | PID | USCS | Description | Notes |
| 1 | | 0.0 | | | Boring was overlain by four inches of concrete |
| 2 | | 0.0 | SP | Gray fine to medium sand, soft, slightly moist | 2.5 feet recovery, no odor/staining |
| 3 | | 0.0 | | | |
| 4 | | 0.0 | SC | Brown clayey medium to coarse sand, soft, moist | |
| 5 | | 0.0 | | | 3.5 feet recovery, no odor/staining |
| 6 | | 0.0 | | | |
| 7 | | 0.0 | | Tan medium to coarse sand, soft, moist | |
| 8 | | 0.0 | SP | | 3.0 feet recovery, no odor/staining |
| 9 | | 0.0 | | | |
| 10 | | 0.0 | | | A soil sample was collected from 10 to 10.5 feet bgs at 1125 for VOC and PAH analysis |
| 11 | B7 (10-10.5) | 0.0 | | Tan medium to coarse sand, soft, slightly moist | |
| 12 | | 0.0 | | | |
| 13 | | | | Boring was terminated at 12 feet bgs due to drilling refusal | |
| 14 | | | | | |
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| Boring Number: | | B8 | | | Page 1 of 1 | |
|---------------------|--------------|---------------------------------|------|--|---|-------------------|
| Location: | | West of the floor drain | | | Date Started: | 10/31/2018 |
| Site Address: | | 811 Main Street | | | Date Completed: | 10/31/2018 |
| | | Bradley Beach, New Jersey 07720 | | | Depth to Groundwater: | N/A |
| Project Number: | | 18-226412.2 | | | Field Technician: | Chris Niedzwiecki |
| Drill Rig Type: | | Geoprobe Model 54LT | | | Partner Engineering and Science, Inc. | |
| Sampling Equipment: | | 4.0 four MacroCore | | | 611 Industrial Way West | |
| Borehole Diameter: | | 2.25-inch | | | Eatontown, NJ 07724 | |
| Depth | Sample | PID | USCS | Description | Notes | |
| 1 | | 0.0 | | | Boring was overlain by four inches of concrete | |
| 2 | | 0.0 | SP | Gray fine to medium sand, soft, slightly moist | 0.5 feet recovery, no odor/staining | |
| 3 | | 0.0 | | | | |
| 4 | | 0.0 | SC | Tan clayey medium to coarse sand, soft, slightly moist | 3.5 feet recovery, no odor/staining | |
| 5 | | 0.0 | | | | |
| 6 | | 0.0 | | | | |
| 7 | | 0.0 | | | 4.0 feet recovery, no odor/staining | |
| 8 | | 0.0 | SP | Tan medium to coarse sand, soft, moist | | |
| 9 | | 0.0 | | | | |
| 10 | | 0.0 | | | | |
| 11 | B8 (10-10.5) | 0.0 | | | A soil sample was collected from 10 to 10.5 feet bgs at 1245 for VOC and PAH analysis | |
| 12 | | 0.0 | | | | |
| 13 | | | | Boring was terminated at 12 feet bgs due to drilling refusal | | |
| 14 | | | | | | |
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APPENDIX B: GEOPHYSICAL SURVEY REPORT



GEOPHYSICAL INVESTIGATION REPORT

SITE LOCATION:

811 MAIN ST, BRADLEY BEACH, NEW JERSEY

PREPARED FOR:

PARTNER ENGINEERING AND SCIENCE

100 Deerfield Lane, Suite 100, Malvern, Pennsylvania

PREPARED BY:

Benjamin Rimler
Delta Geophysics Inc.
738 Front Street
Catasauqua, PA 18032

November 05, 2018

Delta Geophysics, Inc. (Delta) is pleased to provide the results of the geophysical survey conducted at **811 Main Street, Bradley Beach, NJ.**

1.0 INTRODUCTION

On **October 31, 2018** Delta Geophysics personnel performed a limited geophysical investigation at **811 Main Street, Bradley Beach, NJ.** The area of interest included south of the main building, and inside the main building. An underground storage tank (UST) was believed to have been removed from the area and its exact location was uncertain. During the time of the survey, subsurface conditions were unknown; surface conditions consisted of asphalt, concrete, and grass.

2.0 SCOPE OF WORK

The objective of this survey was to investigate the subsurface for anomalies consistent with underground storage tanks (USTs) and/or former excavations. A secondary objective was to locate and mark all underground utilities within the survey area, and clear for soil borings.

3.0 METHODOLOGY

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

- Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit with a 400 Mhz antenna.
- Radiodetection RD7000 precision utility locator.
- Fisher M-Scope TW-6 pipe and cable locator.

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 400MHz antenna was configured to transmit to a depth of approximately 10 feet below the subsurface, but actual signal penetration was limited to approximately **1-4** feet below ground surface (bgs). The limiting factor was signal attenuation from near surface soils.

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.

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 within the specified location were examined during this survey. The area was surveyed with the TW-6 and GPR for potential anomalous features, and then also surveyed with the RD7000 for potential subsurface utilities. Delta personnel detected a metallic anomaly consistent with a pump island and utilities during the survey. The following sections detail the findings of the geophysical investigation.

Unknown Metallic Anomaly

Delta utilized the TW-6, and GPR to detect an unknown metallic anomaly on the south side of the building. TW-6 transects indicated an area of conductivity change consistent with a metallic anomaly. GPR transects imaged an area of highly reflective not consistent with a UST. The unknown metallic anomaly was approximately 7 feet long and 4 feet wide. Historic aerials placed a pump island at the spot of the anomaly. The anomaly was marked on site with pink paint.

Utility Survey

Delta performed a utility survey throughout survey location. The following utilities were identified: electric, water, sanitary sewer, hydraulic lines, and unknown lines. All utilities were marked onsite with appropriate colors, hydraulic and unknown lines were marked in pink.

A site map (**D103118**) is included with all located subsurface features.

5.0 SURVEY LIMITATIONS

GPR depth of penetration was limited to approximately **1-4** feet bgs. The limiting factor was due to conductive soils. The TW-6 was not able to be utilized within close proximity to the garage bay doors within the survey area. Inside the building GPR was limited to 1-1.5 feet bgs. The reinforced concrete inside the building restricted TW-6 usage and greatly attenuated GPR signal penetration.

6.0 WARRANTIES AND DISCLAIMER

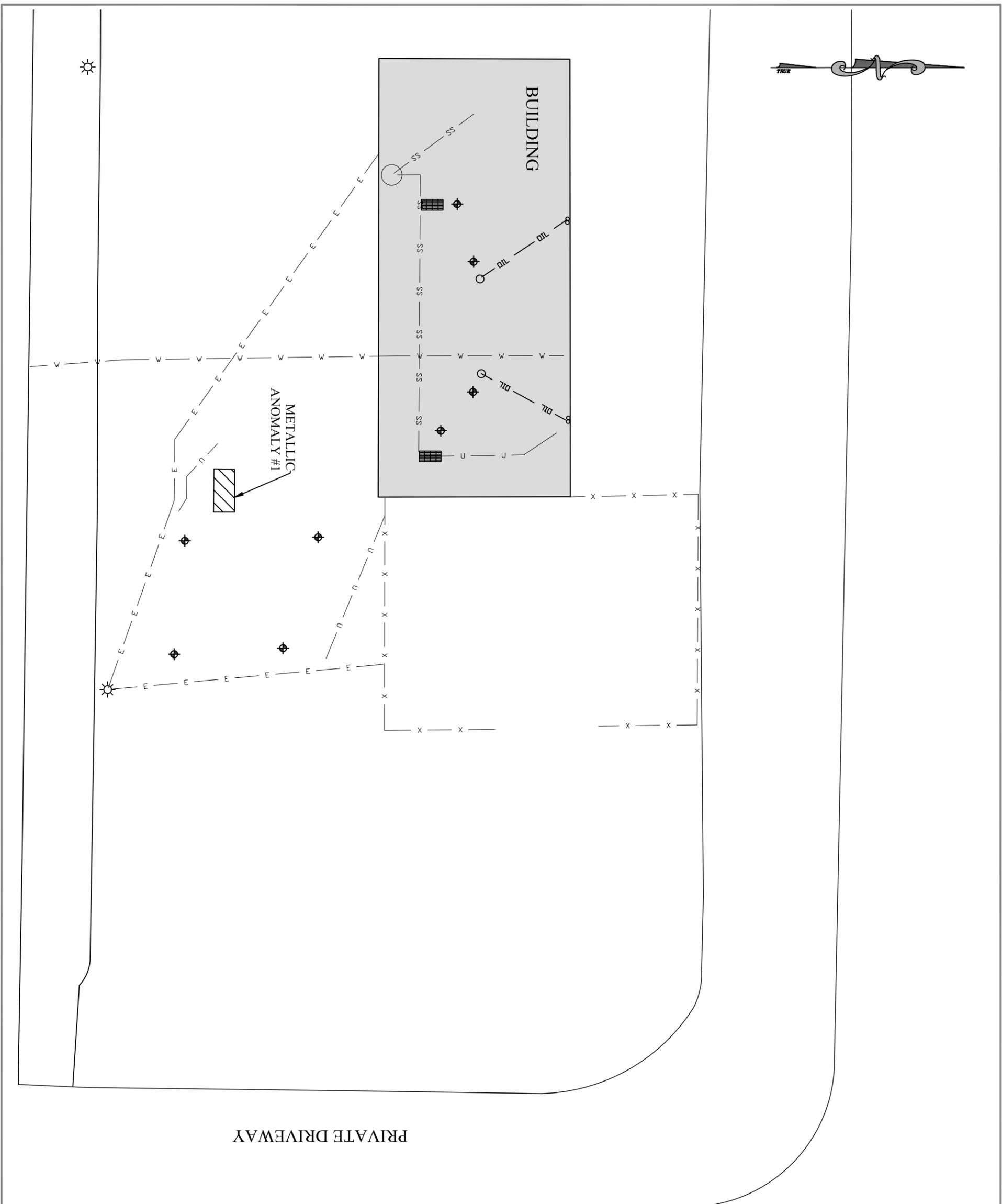
As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity to any anomalies indicated in this report. In addition, the absence of

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.



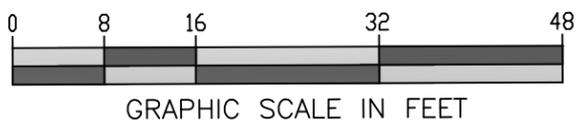
PRIVATE DRIVEWAY

NOTES:

This site plan was produced from data positioned by differential GPS measurements 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 measurements 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.



LEGEND

- HYDRAULIC VALVE
- MANHOLE COVER
- LIGHT POLE
- ELECTRIC
- WATER
- SANITARY SEWER
- FENCE
- HYDRAULIC LINE
- UNKNOWN UTILITY

DATE 11/05/2018
 SCALE 1" = 16'
 DWG NO. 032118
 SHT NO. 1 OF 1
 PROJECT. D103118

GEOPHYSICAL INVESTIGATION
811 MAIN STREET, BRADLEY BEACH, NEW JERSEY
 FOR
PARTNER ENGINEERING AND SCIENCE, INC.

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

APPENDIX C: LABORATORY ANALYTICAL REPORT

JOB: L1844581 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0055: NJ DKQP Conformance/Non-Conformance Summary Questionnaire - OK
0060: Case Narrative - OK
0400: Petroleum Cover Page - OK
0410: Petroleum Sample Results - OK
0420: Petroleum Method Blank Report - OK
0430: Petroleum LCS Report - OK
0450: Petroleum Matrix Spike Report - OK
0460: Petroleum Duplicate Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

No results found for sample L1844581-01 for product NJ-8260HLW
No results found for sample L1844581-01 for product PB-TI
No results found for sample L1844581-02 for product NJ-8260HLW
No results found for sample L1844581-02 for product PB-TI
No results found for sample L1844581-03 for product NJ-8260HLW
No results found for sample L1844581-04 for product NJ-8260HLW
No results found for sample L1844581-07 for product NJ-8260HLW
No results found for sample L1844581-07 for product NJ-8270
No results found for sample L1844581-08 for product NJ-8260HLW
No results found for sample L1844581-08 for product NJ-8270



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L1844581 |
| Client: | Partner Engineering & Science, Inc. 100 Deerfield Lane Suite 200 Malvern, PA 19355 |
| ATTN: | James Duba |
| Phone: | (610) 537-5078 |
| Project Name: | REPAIR SHOP |
| Project Number: | 18-226412.2 |
| Report Date: | 11/02/18 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|------------------|---------------|---|---------------------------------|---------------------|
| L1844581-01 | B1 (8.5-9) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 10:25 | 10/31/18 |
| L1844581-02 | B2 (8.5-9) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 11:00 | 10/31/18 |
| L1844581-03 | B3 (8.5-9) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 09:30 | 10/31/18 |
| L1844581-04 | B4 (8.5-9) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 10:00 | 10/31/18 |
| L1844581-05 | B5 (10-10.5) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 11:50 | 10/31/18 |
| L1844581-06 | B6 (10-10.5) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 12:15 | 10/31/18 |
| L1844581-07 | B7 (10-10.5) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 11:25 | 10/31/18 |
| L1844581-08 | B8 (10-10.5) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 12:45 | 10/31/18 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

**NJ DEP Data of Known Quality Protocols
 Conformance/Non-Conformance
 Summary Questionnaire**

| | | |
|----|---|-----|
| 1 | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards? | YES |
| 1a | Were the method specified handling, preservation, and holding time requirements met? | YES |
| 1b | EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)? | YES |
| 2 | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)? | YES |
| 3 | Were all samples received at an appropriate temperature ($4 \pm 2^{\circ} \text{C}$)? | YES |
| 4 | Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved? | YES |
| 5a | Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? | YES |
| 5b | Were these reporting limits met? | YES |
| 6 | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP? | YES |
| 7 | Are project-specific matrix spikes and/or laboratory duplicates included in this data set? | YES |

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

Case Narrative (continued)

Report Submission

November 02, 2018: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

Report Submission

All DKQP required questions were answered with affirmative responses; therefore, there are no relevant data issues to discuss.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 11/02/18

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

SAMPLE RESULTS

Lab ID: L1844581-05
 Client ID: B5 (10-10.5)
 Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:50
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 11/01/18 20:56
 Analyst: MEO
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 11/01/18 08:11

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab | | | | | | |
| Total EPH | ND | | mg/kg | 24.3 | 24.3 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-------------------|------------|-----------|---------------------|
| Chloro-Octadecane | 93 | | 40-140 |
| o-Terphenyl | 90 | | 40-140 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

SAMPLE RESULTS

Lab ID: L1844581-06
 Client ID: B6 (10-10.5)
 Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 12:15
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 11/01/18 21:25
 Analyst: MEO
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 11/01/18 08:11

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab | | | | | | |
| Total EPH | ND | | mg/kg | 23.1 | 23.1 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-------------------|------------|-----------|---------------------|
| Chloro-Octadecane | 89 | | 40-140 |
| o-Terphenyl | 89 | | 40-140 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 11/01/18 19:55
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 11/01/18 08:11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 05-06 Batch: WG1174707-1 | | | | | |
| Total EPH | ND | | mg/kg | 23.6 | 23.6 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-------------------|-----------|-----------|---------------------|
| Chloro-Octadecane | 85 | | 40-140 |
| o-Terphenyl | 83 | | 40-140 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 05-06 Batch: WG1174707-2 WG1174707-3 | | | | | | | | |
| Total EPH | 98 | | 99 | | 40-140 | 1 | | 25 |
| Nonane (C9) | 71 | | 65 | | 40-140 | 9 | | 25 |
| Decane (C10) | 85 | | 83 | | 40-140 | 2 | | 25 |
| Dodecane (C12) | 76 | | 75 | | 40-140 | 1 | | 25 |
| Tetradecane (C14) | 77 | | 76 | | 40-140 | 1 | | 25 |
| Hexadecane (C16) | 81 | | 82 | | 40-140 | 1 | | 25 |
| Octadecane (C18) | 88 | | 90 | | 40-140 | 2 | | 25 |
| Eicosane (C20) | 90 | | 92 | | 40-140 | 2 | | 25 |
| Heneicosane (C21) | 91 | | 92 | | 40-140 | 1 | | 25 |
| Docosane (C22) | 99 | | 102 | | 40-140 | 3 | | 25 |
| Tetracosane (C24) | 91 | | 93 | | 40-140 | 2 | | 25 |
| Hexacosane (C26) | 92 | | 93 | | 40-140 | 1 | | 25 |
| Octacosane (C28) | 91 | | 92 | | 40-140 | 1 | | 25 |
| triacontane (C30) | 90 | | 92 | | 40-140 | 2 | | 25 |
| Dotriacontane (C32) | 91 | | 93 | | 40-140 | 2 | | 25 |
| Tetracontane (C34) | 89 | | 92 | | 40-140 | 3 | | 25 |
| Hexatriacontane (C36) | 90 | | 93 | | 40-140 | 3 | | 25 |
| Octatriacontane (C38) | 90 | | 94 | | 40-140 | 4 | | 25 |
| Tetracontane (C40) | 93 | | 98 | | 40-140 | 5 | | 25 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|--|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 05-06 Batch: WG1174707-2 WG1174707-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria |
|-------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|
| Chloro-Octadecane | 79 | | 80 | | 40-140 |
| o-Terphenyl | 76 | | 78 | | 40-140 |

Matrix Spike Analysis Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab B5 (10-10.5) Associated sample(s): 05-06 QC Batch ID: WG1174707-4 QC Sample: L1844581-05 Client ID: | | | | | | | | | | | | |
| Total EPH | ND | 236 | 302 | 128 | | - | - | | 40-140 | - | | 50 |
| Nonane (C9) | ND | 6.55 | 5.91 | 90 | | - | - | | 40-140 | - | | 50 |
| Decane (C10) | ND | 6.55 | 7.17 | 109 | | - | - | | 40-140 | - | | 50 |
| Dodecane (C12) | ND | 6.55 | 6.97 | 106 | | - | - | | 40-140 | - | | 50 |
| Tetradecane (C14) | ND | 6.55 | 7.24 | 110 | | - | - | | 40-140 | - | | 50 |
| Hexadecane (C16) | ND | 6.55 | 7.71 | 118 | | - | - | | 40-140 | - | | 50 |
| Octadecane (C18) | ND | 6.55 | 8.03 | 123 | | - | - | | 40-140 | - | | 50 |
| Eicosane (C20) | ND | 6.55 | 8.09 | 123 | | - | - | | 40-140 | - | | 50 |
| Heneicosane (C21) | ND | 6.55 | 8.08 | 123 | | - | - | | 40-140 | - | | 50 |
| Docosane (C22) | ND | 6.55 | 9.09 | 139 | | - | - | | 40-140 | - | | 50 |
| Tetracosane (C24) | ND | 6.55 | 7.98 | 122 | | - | - | | 40-140 | - | | 50 |
| Hexacosane (C26) | ND | 6.55 | 7.90 | 121 | | - | - | | 40-140 | - | | 50 |
| Octacosane (C28) | ND | 6.55 | 7.73 | 118 | | - | - | | 40-140 | - | | 50 |
| Triacontane (C30) | ND | 6.55 | 7.70 | 117 | | - | - | | 40-140 | - | | 50 |
| Dotriacontane (C32) | ND | 6.55 | 7.72 | 118 | | - | - | | 40-140 | - | | 50 |
| Tetraatriacontane (C34) | ND | 6.55 | 7.49 | 114 | | - | - | | 40-140 | - | | 50 |
| Hexatriacontane (C36) | ND | 6.55 | 7.51 | 115 | | - | - | | 40-140 | - | | 50 |
| Octatriacontane (C38) | ND | 6.55 | 7.46 | 114 | | - | - | | 40-140 | - | | 50 |
| Tetraacontane (C40) | ND | 6.55 | 7.70 | 117 | | - | - | | 40-140 | - | | 50 |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|-------------------|---------------|--------------|----------------|---------------|---------------------|
| Chloro-Octadecane | 105 | | | | 40-140 |



Matrix Spike Analysis Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab B5 (10-10.5) Associated sample(s): 05-06 QC Batch ID: WG1174707-4 QC Sample: L1844581-05 Client ID: | | | | | | | | | | | | |

| Surrogate | MS % Recovery | Qualifier | MSD % Recovery | Qualifier | Acceptance Criteria |
|------------------|----------------------|------------------|-----------------------|------------------|----------------------------|
| o-Terphenyl | 105 | | | | 40-140 |

Lab Duplicate Analysis
Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 05-06 QC Batch ID: WG1174707-5 QC Sample: L1844581-05 Client ID: B5 (10-10.5) | | | | | | |
| Total EPH | ND | ND | mg/kg | NC | | 50 |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|-------------------|-----------|-----------|-----------|-----------|---------------------|
| Chloro-Octadecane | 93 | | 95 | | 40-140 |
| o-Terphenyl | 90 | | 95 | | 40-140 |

INORGANICS & MISCELLANEOUS

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

SAMPLE RESULTS

Lab ID: L1844581-01
Client ID: B1 (8.5-9)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 10:25
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 97.6 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

SAMPLE RESULTS

Lab ID: L1844581-02
Client ID: B2 (8.5-9)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 95.6 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

SAMPLE RESULTS

Lab ID: L1844581-03
Client ID: B3 (8.5-9)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 09:30
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 97.5 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

SAMPLE RESULTS

Lab ID: L1844581-04
Client ID: B4 (8.5-9)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 10:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 96.1 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

SAMPLE RESULTS

Lab ID: L1844581-05
Client ID: B5 (10-10.5)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:50
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 97.8 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

SAMPLE RESULTS

Lab ID: L1844581-06
Client ID: B6 (10-10.5)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 12:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 98.2 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

SAMPLE RESULTS

Lab ID: L1844581-07
Client ID: B7 (10-10.5)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:25
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 98.2 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

SAMPLE RESULTS

Lab ID: L1844581-08
Client ID: B8 (10-10.5)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 12:45
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 98.1 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Lab Duplicate Analysis

Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1174764-1 QC Sample: L1844581-01 Client ID: B1 (8.5-9) | | | | | | |
| Solids, Total | 97.6 | 97.6 | % | 0 | | 20 |

Project Name: REPAIR SHOP**Lab Number:** L1844581**Project Number:** 18-226412.2**Report Date:** 11/02/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

| Cooler | Custody Seal |
|---------------|---------------------|
| A | Absent |

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L1844581-01A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |
| L1844581-01B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-01C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-01D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-01E | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-01F | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.3 | Y | Absent | | PB-TI(180) |
| L1844581-02A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |
| L1844581-02B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-02C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-02D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-02E | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-02F | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.3 | Y | Absent | | PB-TI(180) |
| L1844581-03A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |
| L1844581-03B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-03C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-03D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-04A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |
| L1844581-04B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-04C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-04D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-05A | Glass 250ml/8oz unpreserved | A | NA | | 3.3 | Y | Absent | | NJEPH-TPH-CAT2(14),TS(7),HOLD-8270(14) |
| L1844581-06A | Glass 250ml/8oz unpreserved | A | NA | | 3.3 | Y | Absent | | NJEPH-TPH-CAT2(14),TS(7),HOLD-8270(14) |
| L1844581-07A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |

Project Name: REPAIR SHOP**Lab Number:** L1844581**Project Number:** 18-226412.2**Report Date:** 11/02/18**Container Information**

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------|
| L1844581-07B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-07C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-07D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-07E | Glass 120ml/4oz unpreserved | A | NA | | 3.3 | Y | Absent | | NJ-8270(14) |
| L1844581-08A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |
| L1844581-08B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-08C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-08D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-08E | Glass 120ml/4oz unpreserved | A | NA | | 3.3 | Y | Absent | | NJ-8270(14) |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

GLOSSARY

Acronyms

| | |
|----------|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/02/18

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedances are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/02/18

REFERENCES

- 103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

| | | | | | | | | | | | |
|---|--|---|----------------|---|--------------------------------|---|--|---|--|--|--|
|  NEW JERSEY CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 | Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288 | Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page 1 of 1 | Date Rec'd in Lab <i>10/31/18</i> | ALPHA Job # <i>L1844581</i> | | | | | | |
| | | Project Information Project Name: <i>Repair Shop</i> Project Location: <i>811 Main Street, Bradley Beach, NJ 75503</i> Project # <i>18-226412.2</i> | | Deliverables <input type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other | | Billing Information <input type="checkbox"/> Same as Client Info PO # | | | | | |
| Client Information Client: <i>Partner Engineering and Science Inc.</i> Address: <i>611 Industrial Way West</i> <i>Paterson, NJ 07724</i> Phone: <i>732 380 1700</i> Fax: <i>732 380 1701</i> Email: <i>Chris.Zurbrugg@partneresi.com</i> | | (Use Project name as Project #) <input type="checkbox"/> Project Manager: <i>Jim Duba</i> ALPHAQuote #: | | Regulatory Requirement <input checked="" type="checkbox"/> SRS Residential/Non Residential <input checked="" type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other | | Site Information Is this site impacted by Petroleum? Yes <input type="checkbox"/> Petroleum Product: | | | | | |
| Turn-Around Time Standard <input checked="" type="checkbox"/> <i>48HR</i> Due Date: Rush (only if pre approved) <input checked="" type="checkbox"/> # of Days: | | These samples have been previously analyzed by Alpha <input type="checkbox"/> | | ANALYSIS | | Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below) | | | | | |
| For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input checked="" type="checkbox"/> Category 2 | | For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input checked="" type="checkbox"/> 8011 | | Other project specific requirements/comments: *= including 1,2-dibromoethane and 1,2-dichloroethane **= excluding 1,2-dibromo-3-chloropropane, 1,2-dibromoethane Please specify Metals or TAL and 1,4-dioxane Please run EPH on 48HR TAT only. Remaining analysis to be run on 5-day TAT | | Sample Specific Comments | | | | | |
| ALPHA Lab ID (Lab Use Only) | | Sample ID | | Collection Date Time | | Sample Matrix Sampler's Initials | | VOCs* 8260 Lead 6010 VOCs** 8260 EPH Category 2 with filtration option PAHs 8270 VOCs 8260 TBA 8260 | | Total Bottles | |
| 44581 -01 | | B1 (8.5-9) | | 10/31/18 1025 | | S W | | X X | | 5 | |
| -02 | | B2 (8.5-9) | | 1100 | | ↓ ↓ | | X X | | 5 | |
| -03 | | B3 (8.5-9) | | 930 | | ↓ ↓ | | X | | 4 | |
| -04 | | B4 (8.5-9) | | 1000 | | ↓ ↓ | | X | | 4 | |
| -05 | | B5 (10-10.5) | | 1150 | | ↓ ↓ | | X H | | 1 | |
| -06 | | B6 (10-10.5) | | 1215 | | ↓ ↓ | | X H | | 1 | |
| -07 | | B7 (10-10.5) | | 1125 | | ↓ ↓ | | X X | | 5 | |
| -08 | | B8 (10-10.5) | | 1245 | | ↓ ↓ | | X X | | 5 | |
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other | | Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle | | Westboro: Certification No: MA935 Mansfield: Certification No: MA015 | | Container Type Preservative | | V A V A A V V F A F A A F F | | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) | |
| Form No: 01-14 HC (rev. 30-Sept-2013) | | Relinquished By: | | Date/Time | | Received By: | | Date/Time | | | |
| | | <i>[Signature]</i> | | 10/31/18 15:20 | | Bob Jaraman AAL | | 10/31/18 15:20 | | | |
| | | Bob Jaraman | | 10/31/18 17:25 | | D. Santos AAL | | 10/31/18 18:30 | | | |
| | | D Santos AAL | | 10/31/18 22:50 | | [Signature] AAL | | 10/31/18 22:50 | | | |

JOB: L1844581 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0055: NJ DKQP Conformance/Non-Conformance Summary Questionnaire - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0400: Petroleum Cover Page - OK
0410: Petroleum Sample Results - OK
0420: Petroleum Method Blank Report - OK
0430: Petroleum LCS Report - OK
0450: Petroleum Matrix Spike Report - OK
0460: Petroleum Duplicate Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L1844581 |
| Client: | Partner Engineering & Science, Inc. 100 Deerfield Lane Suite 200 Malvern, PA 19355 |
| ATTN: | James Duba |
| Phone: | (610) 537-5078 |
| Project Name: | REPAIR SHOP |
| Project Number: | 18-226412.2 |
| Report Date: | 11/07/18 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|------------------|---------------|---|---------------------------------|---------------------|
| L1844581-01 | B1 (8.5-9) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 10:25 | 10/31/18 |
| L1844581-02 | B2 (8.5-9) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 11:00 | 10/31/18 |
| L1844581-03 | B3 (8.5-9) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 09:30 | 10/31/18 |
| L1844581-04 | B4 (8.5-9) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 10:00 | 10/31/18 |
| L1844581-05 | B5 (10-10.5) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 11:50 | 10/31/18 |
| L1844581-06 | B6 (10-10.5) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 12:15 | 10/31/18 |
| L1844581-07 | B7 (10-10.5) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 11:25 | 10/31/18 |
| L1844581-08 | B8 (10-10.5) | SOIL | 811 MAIN STREET, BRADLEY BEACH, NJ 75503 | 10/31/18 12:45 | 10/31/18 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

**NJ DEP Data of Known Quality Protocols
 Conformance/Non-Conformance
 Summary Questionnaire**

| | | |
|----|---|-----|
| 1 | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards? | YES |
| 1a | Were the method specified handling, preservation, and holding time requirements met? | YES |
| 1b | EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)? | YES |
| 2 | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)? | YES |
| 3 | Were all samples received at an appropriate temperature ($4 \pm 2^{\circ} \text{C}$)? | YES |
| 4 | Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved? | NO |
| 5a | Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? | YES |
| 5b | Were these reporting limits met? | YES |
| 6 | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP? | YES |
| 7 | Are project-specific matrix spikes and/or laboratory duplicates included in this data set? | YES |

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

Case Narrative (continued)

Report Submission

November 07, 2018: This preliminary report includes the results of the Volatile Organics analysis performed on L1844581-01, -02, -03, -04, -07 and -08; the results of the Semivolatile Organics analysis performed on L1844581-07 and -08; and the results of the Total Lead analysis performed on L1844581-01 and -02.

November 02, 2018: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

Semivolatile Organics

In reference to question 4:

WG1174586-2/-3: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Difficult analytes may recover at less than 10% recovery, where applicable. Please refer to the QC section of the report for specific details.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 11/07/18

ORGANICS

VOLATILES

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-01
Client ID: B1 (8.5-9)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 10:25
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/18 23:09
Analyst: MV
Percent Solids: 98%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|---------|---------|-----------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | | mg/kg | 0.0029 | 0.00097 | 1 |
| 1,4-Dioxane | ND | | mg/kg | 0.098 | 0.034 | 1 |
| 1,2-Dibromoethane | ND | | mg/kg | 0.00098 | 0.00027 | 1 |
| Methylene chloride | ND | | mg/kg | 0.0049 | 0.0022 | 1 |
| 1,1-Dichloroethane | ND | | mg/kg | 0.00098 | 0.00014 | 1 |
| Chloroform | ND | | mg/kg | 0.0015 | 0.00014 | 1 |
| Carbon tetrachloride | ND | | mg/kg | 0.00098 | 0.00022 | 1 |
| 1,2-Dichloropropane | ND | | mg/kg | 0.00098 | 0.00012 | 1 |
| Dibromochloromethane | ND | | mg/kg | 0.00098 | 0.00014 | 1 |
| 1,1,2-Trichloroethane | ND | | mg/kg | 0.00098 | 0.00026 | 1 |
| Tetrachloroethene | ND | | mg/kg | 0.00049 | 0.00019 | 1 |
| Chlorobenzene | ND | | mg/kg | 0.00049 | 0.00012 | 1 |
| Trichlorofluoromethane | ND | | mg/kg | 0.0039 | 0.00068 | 1 |
| 1,2-Dichloroethane | ND | | mg/kg | 0.00098 | 0.00025 | 1 |
| 1,1,1-Trichloroethane | ND | | mg/kg | 0.00049 | 0.00016 | 1 |
| Bromodichloromethane | ND | | mg/kg | 0.00049 | 0.00011 | 1 |
| trans-1,3-Dichloropropene | ND | | mg/kg | 0.00098 | 0.00027 | 1 |
| cis-1,3-Dichloropropene | ND | | mg/kg | 0.00049 | 0.00015 | 1 |
| 1,3-Dichloropropene, Total | ND | | mg/kg | 0.00049 | 0.00015 | 1 |
| Bromoform | ND | | mg/kg | 0.0039 | 0.00024 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | mg/kg | 0.00049 | 0.00016 | 1 |
| Benzene | ND | | mg/kg | 0.00049 | 0.00016 | 1 |
| Toluene | ND | | mg/kg | 0.00098 | 0.00053 | 1 |
| Ethylbenzene | ND | | mg/kg | 0.00098 | 0.00014 | 1 |
| Chloromethane | ND | | mg/kg | 0.0039 | 0.00091 | 1 |
| Bromomethane | ND | | mg/kg | 0.0020 | 0.00057 | 1 |
| Vinyl chloride | ND | | mg/kg | 0.00098 | 0.00033 | 1 |
| Chloroethane | ND | | mg/kg | 0.0020 | 0.00044 | 1 |

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-01

Date Collected: 10/31/18 10:25

Client ID: B1 (8.5-9)

Date Received: 10/31/18

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|---------|---------|-----------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| 1,1-Dichloroethene | ND | | mg/kg | 0.00098 | 0.00023 | 1 |
| trans-1,2-Dichloroethene | ND | | mg/kg | 0.0015 | 0.00013 | 1 |
| Trichloroethene | ND | | mg/kg | 0.00049 | 0.00013 | 1 |
| 1,2-Dichlorobenzene | ND | | mg/kg | 0.0020 | 0.00014 | 1 |
| 1,3-Dichlorobenzene | ND | | mg/kg | 0.0020 | 0.00014 | 1 |
| 1,4-Dichlorobenzene | ND | | mg/kg | 0.0020 | 0.00017 | 1 |
| Methyl tert butyl ether | ND | | mg/kg | 0.0020 | 0.00020 | 1 |
| p/m-Xylene | ND | | mg/kg | 0.0020 | 0.00055 | 1 |
| o-Xylene | ND | | mg/kg | 0.00098 | 0.00028 | 1 |
| Xylene (Total) | ND | | mg/kg | 0.00098 | 0.00028 | 1 |
| cis-1,2-Dichloroethene | ND | | mg/kg | 0.00098 | 0.00017 | 1 |
| 1,2-Dichloroethene (total) | ND | | mg/kg | 0.00098 | 0.00013 | 1 |
| Styrene | ND | | mg/kg | 0.00098 | 0.00019 | 1 |
| Dichlorodifluoromethane | ND | | mg/kg | 0.0098 | 0.00089 | 1 |
| Acetone | ND | | mg/kg | 0.0098 | 0.0047 | 1 |
| Carbon disulfide | ND | | mg/kg | 0.0098 | 0.0044 | 1 |
| 2-Butanone | ND | | mg/kg | 0.0098 | 0.0022 | 1 |
| 4-Methyl-2-pentanone | ND | | mg/kg | 0.0098 | 0.0012 | 1 |
| 2-Hexanone | ND | | mg/kg | 0.0098 | 0.0012 | 1 |
| Bromochloromethane | ND | | mg/kg | 0.0020 | 0.00020 | 1 |
| Isopropylbenzene | ND | | mg/kg | 0.00098 | 0.00011 | 1 |
| 1,2,3-Trichlorobenzene | ND | | mg/kg | 0.0020 | 0.00031 | 1 |
| 1,2,4-Trichlorobenzene | ND | | mg/kg | 0.0020 | 0.00026 | 1 |
| Methyl Acetate | ND | | mg/kg | 0.0039 | 0.00093 | 1 |
| Cyclohexane | ND | | mg/kg | 0.0098 | 0.00053 | 1 |
| Methyl cyclohexane | ND | | mg/kg | 0.0039 | 0.00059 | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | mg/kg | 0.0039 | 0.00068 | 1 |

Tentatively Identified Compounds

| | | | |
|-------------------------------------|----|-------|---|
| No Tentatively Identified Compounds | ND | mg/kg | 1 |
|-------------------------------------|----|-------|---|

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-01
 Client ID: B1 (8.5-9)
 Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 10:25
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

| | | | | | | |
|---|--|--|--|--|--|--|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
|---|--|--|--|--|--|--|

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 116 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 107 | | 70-130 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-02
Client ID: B2 (8.5-9)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/18 23:35
Analyst: MV
Percent Solids: 96%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|---------|---------|-----------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | | mg/kg | 0.0032 | 0.0011 | 1 |
| 1,4-Dioxane | ND | | mg/kg | 0.11 | 0.038 | 1 |
| 1,2-Dibromoethane | ND | | mg/kg | 0.0011 | 0.00030 | 1 |
| Methylene chloride | ND | | mg/kg | 0.0053 | 0.0024 | 1 |
| 1,1-Dichloroethane | ND | | mg/kg | 0.0011 | 0.00016 | 1 |
| Chloroform | ND | | mg/kg | 0.0016 | 0.00015 | 1 |
| Carbon tetrachloride | ND | | mg/kg | 0.0011 | 0.00024 | 1 |
| 1,2-Dichloropropane | ND | | mg/kg | 0.0011 | 0.00013 | 1 |
| Dibromochloromethane | ND | | mg/kg | 0.0011 | 0.00015 | 1 |
| 1,1,2-Trichloroethane | ND | | mg/kg | 0.0011 | 0.00028 | 1 |
| Tetrachloroethene | ND | | mg/kg | 0.00053 | 0.00021 | 1 |
| Chlorobenzene | ND | | mg/kg | 0.00053 | 0.00014 | 1 |
| Trichlorofluoromethane | ND | | mg/kg | 0.0043 | 0.00074 | 1 |
| 1,2-Dichloroethane | ND | | mg/kg | 0.0011 | 0.00027 | 1 |
| 1,1,1-Trichloroethane | ND | | mg/kg | 0.00053 | 0.00018 | 1 |
| Bromodichloromethane | ND | | mg/kg | 0.00053 | 0.00012 | 1 |
| trans-1,3-Dichloropropene | ND | | mg/kg | 0.0011 | 0.00029 | 1 |
| cis-1,3-Dichloropropene | ND | | mg/kg | 0.00053 | 0.00017 | 1 |
| 1,3-Dichloropropene, Total | ND | | mg/kg | 0.00053 | 0.00017 | 1 |
| Bromoform | ND | | mg/kg | 0.0043 | 0.00026 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | mg/kg | 0.00053 | 0.00018 | 1 |
| Benzene | ND | | mg/kg | 0.00053 | 0.00018 | 1 |
| Toluene | ND | | mg/kg | 0.0011 | 0.00058 | 1 |
| Ethylbenzene | ND | | mg/kg | 0.0011 | 0.00015 | 1 |
| Chloromethane | ND | | mg/kg | 0.0043 | 0.0010 | 1 |
| Bromomethane | ND | | mg/kg | 0.0021 | 0.00062 | 1 |
| Vinyl chloride | ND | | mg/kg | 0.0011 | 0.00036 | 1 |
| Chloroethane | ND | | mg/kg | 0.0021 | 0.00048 | 1 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-02
Client ID: B2 (8.5-9)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|---------|---------|-----------------|
| Volatiles Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| 1,1-Dichloroethene | ND | | mg/kg | 0.0011 | 0.00025 | 1 |
| trans-1,2-Dichloroethene | ND | | mg/kg | 0.0016 | 0.00015 | 1 |
| Trichloroethene | ND | | mg/kg | 0.00053 | 0.00015 | 1 |
| 1,2-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00015 | 1 |
| 1,3-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00016 | 1 |
| 1,4-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00018 | 1 |
| Methyl tert butyl ether | ND | | mg/kg | 0.0021 | 0.00021 | 1 |
| p/m-Xylene | ND | | mg/kg | 0.0021 | 0.00060 | 1 |
| o-Xylene | ND | | mg/kg | 0.0011 | 0.00031 | 1 |
| Xylene (Total) | ND | | mg/kg | 0.0011 | 0.00031 | 1 |
| cis-1,2-Dichloroethene | ND | | mg/kg | 0.0011 | 0.00019 | 1 |
| 1,2-Dichloroethene (total) | ND | | mg/kg | 0.0011 | 0.00015 | 1 |
| Styrene | ND | | mg/kg | 0.0011 | 0.00021 | 1 |
| Dichlorodifluoromethane | ND | | mg/kg | 0.011 | 0.00098 | 1 |
| Acetone | ND | | mg/kg | 0.011 | 0.0051 | 1 |
| Carbon disulfide | ND | | mg/kg | 0.011 | 0.0049 | 1 |
| 2-Butanone | ND | | mg/kg | 0.011 | 0.0024 | 1 |
| 4-Methyl-2-pentanone | ND | | mg/kg | 0.011 | 0.0014 | 1 |
| 2-Hexanone | ND | | mg/kg | 0.011 | 0.0013 | 1 |
| Bromochloromethane | ND | | mg/kg | 0.0021 | 0.00022 | 1 |
| Isopropylbenzene | ND | | mg/kg | 0.0011 | 0.00012 | 1 |
| 1,2,3-Trichlorobenzene | ND | | mg/kg | 0.0021 | 0.00034 | 1 |
| 1,2,4-Trichlorobenzene | ND | | mg/kg | 0.0021 | 0.00029 | 1 |
| Methyl Acetate | ND | | mg/kg | 0.0043 | 0.0010 | 1 |
| Cyclohexane | ND | | mg/kg | 0.011 | 0.00058 | 1 |
| Methyl cyclohexane | ND | | mg/kg | 0.0043 | 0.00064 | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | mg/kg | 0.0043 | 0.00074 | 1 |

Tentatively Identified Compounds

| | | | | | | |
|---------------------|-------|---|-------|--|--|---|
| Total TIC Compounds | 0.002 | J | mg/kg | | | 1 |
| Unknown Alkane | 0.002 | J | mg/kg | | | 1 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-02
 Client ID: B2 (8.5-9)
 Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

| | | | | | | |
|---|--|--|--|--|--|--|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
|---|--|--|--|--|--|--|

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 117 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 106 | | 70-130 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-03
Client ID: B3 (8.5-9)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 09:30
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 00:02
Analyst: MV
Percent Solids: 98%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|---------|---------|-----------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | mg/kg | 0.0041 | 0.0019 | 1 |
| 1,1-Dichloroethane | ND | | mg/kg | 0.00082 | 0.00012 | 1 |
| Chloroform | ND | | mg/kg | 0.0012 | 0.00012 | 1 |
| Carbon tetrachloride | ND | | mg/kg | 0.00082 | 0.00019 | 1 |
| 1,2-Dichloropropane | ND | | mg/kg | 0.00082 | 0.00010 | 1 |
| Dibromochloromethane | ND | | mg/kg | 0.00082 | 0.00012 | 1 |
| 1,1,2-Trichloroethane | ND | | mg/kg | 0.00082 | 0.00022 | 1 |
| Tetrachloroethene | ND | | mg/kg | 0.00041 | 0.00016 | 1 |
| Chlorobenzene | ND | | mg/kg | 0.00041 | 0.00010 | 1 |
| Trichlorofluoromethane | ND | | mg/kg | 0.0033 | 0.00057 | 1 |
| 1,2-Dichloroethane | ND | | mg/kg | 0.00082 | 0.00021 | 1 |
| 1,1,1-Trichloroethane | ND | | mg/kg | 0.00041 | 0.00014 | 1 |
| Bromodichloromethane | ND | | mg/kg | 0.00041 | 0.00009 | 1 |
| trans-1,3-Dichloropropene | ND | | mg/kg | 0.00082 | 0.00022 | 1 |
| cis-1,3-Dichloropropene | ND | | mg/kg | 0.00041 | 0.00013 | 1 |
| 1,3-Dichloropropene, Total | ND | | mg/kg | 0.00041 | 0.00013 | 1 |
| Bromoform | ND | | mg/kg | 0.0033 | 0.00020 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | mg/kg | 0.00041 | 0.00014 | 1 |
| Benzene | ND | | mg/kg | 0.00041 | 0.00014 | 1 |
| Toluene | ND | | mg/kg | 0.00082 | 0.00045 | 1 |
| Ethylbenzene | ND | | mg/kg | 0.00082 | 0.00012 | 1 |
| Chloromethane | ND | | mg/kg | 0.0033 | 0.00077 | 1 |
| Bromomethane | ND | | mg/kg | 0.0016 | 0.00048 | 1 |
| Vinyl chloride | ND | | mg/kg | 0.00082 | 0.00028 | 1 |
| Chloroethane | ND | | mg/kg | 0.0016 | 0.00037 | 1 |
| 1,1-Dichloroethene | ND | | mg/kg | 0.00082 | 0.00020 | 1 |
| trans-1,2-Dichloroethene | ND | | mg/kg | 0.0012 | 0.00011 | 1 |
| Trichloroethene | ND | | mg/kg | 0.00041 | 0.00011 | 1 |

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-03

Date Collected: 10/31/18 09:30

Client ID: B3 (8.5-9)

Date Received: 10/31/18

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|---------|---------|-----------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| 1,2-Dichlorobenzene | ND | | mg/kg | 0.0016 | 0.00012 | 1 |
| 1,3-Dichlorobenzene | ND | | mg/kg | 0.0016 | 0.00012 | 1 |
| 1,4-Dichlorobenzene | ND | | mg/kg | 0.0016 | 0.00014 | 1 |
| Methyl tert butyl ether | ND | | mg/kg | 0.0016 | 0.00016 | 1 |
| p/m-Xylene | ND | | mg/kg | 0.0016 | 0.00046 | 1 |
| o-Xylene | ND | | mg/kg | 0.00082 | 0.00024 | 1 |
| Xylenes, Total | ND | | mg/kg | 0.00082 | 0.00024 | 1 |
| cis-1,2-Dichloroethene | ND | | mg/kg | 0.00082 | 0.00014 | 1 |
| 1,2-Dichloroethene, Total | ND | | mg/kg | 0.00082 | 0.00011 | 1 |
| Styrene | ND | | mg/kg | 0.00082 | 0.00016 | 1 |
| Dichlorodifluoromethane | ND | | mg/kg | 0.0082 | 0.00076 | 1 |
| Acetone | ND | | mg/kg | 0.0082 | 0.0040 | 1 |
| Carbon disulfide | ND | | mg/kg | 0.0082 | 0.0038 | 1 |
| 2-Butanone | ND | | mg/kg | 0.0082 | 0.0018 | 1 |
| 4-Methyl-2-pentanone | ND | | mg/kg | 0.0082 | 0.0010 | 1 |
| 2-Hexanone | ND | | mg/kg | 0.0082 | 0.00097 | 1 |
| Bromochloromethane | ND | | mg/kg | 0.0016 | 0.00017 | 1 |
| Isopropylbenzene | ND | | mg/kg | 0.00082 | 0.00009 | 1 |
| 1,2,3-Trichlorobenzene | ND | | mg/kg | 0.0016 | 0.00026 | 1 |
| 1,2,4-Trichlorobenzene | ND | | mg/kg | 0.0016 | 0.00022 | 1 |
| Methyl Acetate | ND | | mg/kg | 0.0033 | 0.00078 | 1 |
| Cyclohexane | ND | | mg/kg | 0.0082 | 0.00045 | 1 |
| Tert-Butyl Alcohol | 0.0066 | J | mg/kg | 0.016 | 0.0042 | 1 |
| Methyl cyclohexane | ND | | mg/kg | 0.0033 | 0.00050 | 1 |
| Freon-113 | ND | | mg/kg | 0.0033 | 0.00057 | 1 |

Tentatively Identified Compounds

| | | | | | | |
|---------------------|-------|---|-------|--|--|---|
| Total TIC Compounds | 0.005 | J | mg/kg | | | 1 |
| Unknown | 0.002 | J | mg/kg | | | 1 |
| Unknown Alkane | 0.003 | J | mg/kg | | | 1 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-03
 Client ID: B3 (8.5-9)
 Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 09:30
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

| | | | | | | |
|---|--|--|--|--|--|--|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
|---|--|--|--|--|--|--|

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 118 | | 70-130 |
| Toluene-d8 | 102 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 107 | | 70-130 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-04
Client ID: B4 (8.5-9)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 10:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 00:27
Analyst: MV
Percent Solids: 96%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|---------|---------|-----------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| Methylene chloride | ND | | mg/kg | 0.0052 | 0.0024 | 1 |
| 1,1-Dichloroethane | ND | | mg/kg | 0.0010 | 0.00015 | 1 |
| Chloroform | ND | | mg/kg | 0.0015 | 0.00014 | 1 |
| Carbon tetrachloride | ND | | mg/kg | 0.0010 | 0.00024 | 1 |
| 1,2-Dichloropropane | ND | | mg/kg | 0.0010 | 0.00013 | 1 |
| Dibromochloromethane | ND | | mg/kg | 0.0010 | 0.00014 | 1 |
| 1,1,2-Trichloroethane | ND | | mg/kg | 0.0010 | 0.00028 | 1 |
| Tetrachloroethene | ND | | mg/kg | 0.00052 | 0.00020 | 1 |
| Chlorobenzene | ND | | mg/kg | 0.00052 | 0.00013 | 1 |
| Trichlorofluoromethane | ND | | mg/kg | 0.0041 | 0.00072 | 1 |
| 1,2-Dichloroethane | ND | | mg/kg | 0.0010 | 0.00026 | 1 |
| 1,1,1-Trichloroethane | ND | | mg/kg | 0.00052 | 0.00017 | 1 |
| Bromodichloromethane | ND | | mg/kg | 0.00052 | 0.00011 | 1 |
| trans-1,3-Dichloropropene | ND | | mg/kg | 0.0010 | 0.00028 | 1 |
| cis-1,3-Dichloropropene | ND | | mg/kg | 0.00052 | 0.00016 | 1 |
| 1,3-Dichloropropene, Total | ND | | mg/kg | 0.00052 | 0.00016 | 1 |
| Bromoform | ND | | mg/kg | 0.0041 | 0.00025 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | mg/kg | 0.00052 | 0.00017 | 1 |
| Benzene | ND | | mg/kg | 0.00052 | 0.00017 | 1 |
| Toluene | ND | | mg/kg | 0.0010 | 0.00056 | 1 |
| Ethylbenzene | ND | | mg/kg | 0.0010 | 0.00014 | 1 |
| Chloromethane | ND | | mg/kg | 0.0041 | 0.00096 | 1 |
| Bromomethane | ND | | mg/kg | 0.0021 | 0.00060 | 1 |
| Vinyl chloride | ND | | mg/kg | 0.0010 | 0.00034 | 1 |
| Chloroethane | ND | | mg/kg | 0.0021 | 0.00046 | 1 |
| 1,1-Dichloroethene | ND | | mg/kg | 0.0010 | 0.00024 | 1 |
| trans-1,2-Dichloroethene | ND | | mg/kg | 0.0015 | 0.00014 | 1 |
| Trichloroethene | ND | | mg/kg | 0.00052 | 0.00014 | 1 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-04
Client ID: B4 (8.5-9)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 10:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|--------|---------|-----------------|
| Volatiles Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| 1,2-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00015 | 1 |
| 1,3-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00015 | 1 |
| 1,4-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00018 | 1 |
| Methyl tert butyl ether | ND | | mg/kg | 0.0021 | 0.00021 | 1 |
| p/m-Xylene | ND | | mg/kg | 0.0021 | 0.00058 | 1 |
| o-Xylene | ND | | mg/kg | 0.0010 | 0.00030 | 1 |
| Xylenes, Total | ND | | mg/kg | 0.0010 | 0.00030 | 1 |
| cis-1,2-Dichloroethene | ND | | mg/kg | 0.0010 | 0.00018 | 1 |
| 1,2-Dichloroethene, Total | ND | | mg/kg | 0.0010 | 0.00014 | 1 |
| Styrene | ND | | mg/kg | 0.0010 | 0.00020 | 1 |
| Dichlorodifluoromethane | ND | | mg/kg | 0.010 | 0.00094 | 1 |
| Acetone | 0.010 | | mg/kg | 0.010 | 0.0050 | 1 |
| Carbon disulfide | ND | | mg/kg | 0.010 | 0.0047 | 1 |
| 2-Butanone | ND | | mg/kg | 0.010 | 0.0023 | 1 |
| 4-Methyl-2-pentanone | ND | | mg/kg | 0.010 | 0.0013 | 1 |
| 2-Hexanone | ND | | mg/kg | 0.010 | 0.0012 | 1 |
| Bromochloromethane | ND | | mg/kg | 0.0021 | 0.00021 | 1 |
| Isopropylbenzene | ND | | mg/kg | 0.0010 | 0.00011 | 1 |
| 1,2,3-Trichlorobenzene | ND | | mg/kg | 0.0021 | 0.00033 | 1 |
| 1,2,4-Trichlorobenzene | ND | | mg/kg | 0.0021 | 0.00028 | 1 |
| Methyl Acetate | ND | | mg/kg | 0.0041 | 0.00098 | 1 |
| Cyclohexane | ND | | mg/kg | 0.010 | 0.00056 | 1 |
| Tert-Butyl Alcohol | 0.022 | | mg/kg | 0.021 | 0.0053 | 1 |
| Methyl cyclohexane | ND | | mg/kg | 0.0041 | 0.00062 | 1 |
| Freon-113 | ND | | mg/kg | 0.0041 | 0.00071 | 1 |

Tentatively Identified Compounds

| | | | | |
|---------------------|-------|----|-------|---|
| Total TIC Compounds | 0.021 | J | mg/kg | 1 |
| n-Hexane | 0.002 | NJ | mg/kg | 1 |
| Unknown | 0.012 | J | mg/kg | 1 |
| Unknown | 0.007 | J | mg/kg | 1 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-04
 Client ID: B4 (8.5-9)
 Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 10:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

| | | | | | | |
|---|--|--|--|--|--|--|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
|---|--|--|--|--|--|--|

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 119 | | 70-130 |
| Toluene-d8 | 101 | | 70-130 |
| 4-Bromofluorobenzene | 100 | | 70-130 |
| Dibromofluoromethane | 108 | | 70-130 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-07
Client ID: B7 (10-10.5)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:25
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 00:52
Analyst: MV
Percent Solids: 98%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|---------|---------|-----------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | | mg/kg | 0.0031 | 0.0010 | 1 |
| 1,4-Dioxane | ND | | mg/kg | 0.10 | 0.036 | 1 |
| 1,2-Dibromoethane | ND | | mg/kg | 0.0010 | 0.00029 | 1 |
| Methylene chloride | ND | | mg/kg | 0.0052 | 0.0024 | 1 |
| 1,1-Dichloroethane | ND | | mg/kg | 0.0010 | 0.00015 | 1 |
| Chloroform | ND | | mg/kg | 0.0016 | 0.00014 | 1 |
| Carbon tetrachloride | ND | | mg/kg | 0.0010 | 0.00024 | 1 |
| 1,2-Dichloropropane | ND | | mg/kg | 0.0010 | 0.00013 | 1 |
| Dibromochloromethane | ND | | mg/kg | 0.0010 | 0.00014 | 1 |
| 1,1,2-Trichloroethane | ND | | mg/kg | 0.0010 | 0.00028 | 1 |
| Tetrachloroethene | ND | | mg/kg | 0.00052 | 0.00020 | 1 |
| Chlorobenzene | ND | | mg/kg | 0.00052 | 0.00013 | 1 |
| Trichlorofluoromethane | ND | | mg/kg | 0.0041 | 0.00072 | 1 |
| 1,2-Dichloroethane | ND | | mg/kg | 0.0010 | 0.00027 | 1 |
| 1,1,1-Trichloroethane | ND | | mg/kg | 0.00052 | 0.00017 | 1 |
| Bromodichloromethane | ND | | mg/kg | 0.00052 | 0.00011 | 1 |
| trans-1,3-Dichloropropene | ND | | mg/kg | 0.0010 | 0.00028 | 1 |
| cis-1,3-Dichloropropene | ND | | mg/kg | 0.00052 | 0.00016 | 1 |
| 1,3-Dichloropropene, Total | ND | | mg/kg | 0.00052 | 0.00016 | 1 |
| Bromoform | ND | | mg/kg | 0.0041 | 0.00026 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | mg/kg | 0.00052 | 0.00017 | 1 |
| Benzene | ND | | mg/kg | 0.00052 | 0.00017 | 1 |
| Toluene | ND | | mg/kg | 0.0010 | 0.00056 | 1 |
| Ethylbenzene | ND | | mg/kg | 0.0010 | 0.00015 | 1 |
| Chloromethane | ND | | mg/kg | 0.0041 | 0.00097 | 1 |
| Bromomethane | ND | | mg/kg | 0.0021 | 0.00060 | 1 |
| Vinyl chloride | ND | | mg/kg | 0.0010 | 0.00035 | 1 |
| Chloroethane | ND | | mg/kg | 0.0021 | 0.00047 | 1 |

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-07

Date Collected: 10/31/18 11:25

Client ID: B7 (10-10.5)

Date Received: 10/31/18

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|---------|---------|-----------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| 1,1-Dichloroethene | ND | | mg/kg | 0.0010 | 0.00025 | 1 |
| trans-1,2-Dichloroethene | ND | | mg/kg | 0.0016 | 0.00014 | 1 |
| Trichloroethene | ND | | mg/kg | 0.00052 | 0.00014 | 1 |
| 1,2-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00015 | 1 |
| 1,3-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00015 | 1 |
| 1,4-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00018 | 1 |
| Methyl tert butyl ether | ND | | mg/kg | 0.0021 | 0.00021 | 1 |
| p/m-Xylene | ND | | mg/kg | 0.0021 | 0.00058 | 1 |
| o-Xylene | ND | | mg/kg | 0.0010 | 0.00030 | 1 |
| Xylene (Total) | ND | | mg/kg | 0.0010 | 0.00030 | 1 |
| cis-1,2-Dichloroethene | ND | | mg/kg | 0.0010 | 0.00018 | 1 |
| 1,2-Dichloroethene (total) | ND | | mg/kg | 0.0010 | 0.00014 | 1 |
| Styrene | ND | | mg/kg | 0.0010 | 0.00020 | 1 |
| Dichlorodifluoromethane | ND | | mg/kg | 0.010 | 0.00095 | 1 |
| Acetone | 0.0054 | J | mg/kg | 0.010 | 0.0050 | 1 |
| Carbon disulfide | ND | | mg/kg | 0.010 | 0.0047 | 1 |
| 2-Butanone | ND | | mg/kg | 0.010 | 0.0023 | 1 |
| 4-Methyl-2-pentanone | ND | | mg/kg | 0.010 | 0.0013 | 1 |
| 2-Hexanone | ND | | mg/kg | 0.010 | 0.0012 | 1 |
| Bromochloromethane | ND | | mg/kg | 0.0021 | 0.00021 | 1 |
| Isopropylbenzene | ND | | mg/kg | 0.0010 | 0.00011 | 1 |
| 1,2,3-Trichlorobenzene | ND | | mg/kg | 0.0021 | 0.00033 | 1 |
| 1,2,4-Trichlorobenzene | ND | | mg/kg | 0.0021 | 0.00028 | 1 |
| Methyl Acetate | ND | | mg/kg | 0.0041 | 0.00098 | 1 |
| Cyclohexane | ND | | mg/kg | 0.010 | 0.00056 | 1 |
| Methyl cyclohexane | ND | | mg/kg | 0.0041 | 0.00062 | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | mg/kg | 0.0041 | 0.00072 | 1 |

Tentatively Identified Compounds

| | | | | | | |
|---------------------|-------|---|-------|--|--|---|
| Total TIC Compounds | 0.022 | J | mg/kg | | | 1 |
| Unknown | 0.015 | J | mg/kg | | | 1 |
| Unknown | 0.008 | J | mg/kg | | | 1 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-07
 Client ID: B7 (10-10.5)
 Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:25
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

| | | | | | | |
|---|--|--|--|--|--|--|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
|---|--|--|--|--|--|--|

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 120 | | 70-130 |
| Toluene-d8 | 99 | | 70-130 |
| 4-Bromofluorobenzene | 97 | | 70-130 |
| Dibromofluoromethane | 109 | | 70-130 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-08
Client ID: B8 (10-10.5)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 12:45
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 01:18
Analyst: MV
Percent Solids: 98%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|---------|---------|-----------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | | mg/kg | 0.0031 | 0.0010 | 1 |
| 1,4-Dioxane | ND | | mg/kg | 0.10 | 0.036 | 1 |
| 1,2-Dibromoethane | ND | | mg/kg | 0.0010 | 0.00029 | 1 |
| Methylene chloride | ND | | mg/kg | 0.0052 | 0.0024 | 1 |
| 1,1-Dichloroethane | ND | | mg/kg | 0.0010 | 0.00015 | 1 |
| Chloroform | ND | | mg/kg | 0.0015 | 0.00014 | 1 |
| Carbon tetrachloride | ND | | mg/kg | 0.0010 | 0.00024 | 1 |
| 1,2-Dichloropropane | ND | | mg/kg | 0.0010 | 0.00013 | 1 |
| Dibromochloromethane | ND | | mg/kg | 0.0010 | 0.00014 | 1 |
| 1,1,2-Trichloroethane | ND | | mg/kg | 0.0010 | 0.00028 | 1 |
| Tetrachloroethene | ND | | mg/kg | 0.00052 | 0.00020 | 1 |
| Chlorobenzene | ND | | mg/kg | 0.00052 | 0.00013 | 1 |
| Trichlorofluoromethane | ND | | mg/kg | 0.0041 | 0.00072 | 1 |
| 1,2-Dichloroethane | ND | | mg/kg | 0.0010 | 0.00026 | 1 |
| 1,1,1-Trichloroethane | ND | | mg/kg | 0.00052 | 0.00017 | 1 |
| Bromodichloromethane | ND | | mg/kg | 0.00052 | 0.00011 | 1 |
| trans-1,3-Dichloropropene | ND | | mg/kg | 0.0010 | 0.00028 | 1 |
| cis-1,3-Dichloropropene | ND | | mg/kg | 0.00052 | 0.00016 | 1 |
| 1,3-Dichloropropene, Total | ND | | mg/kg | 0.00052 | 0.00016 | 1 |
| Bromoform | ND | | mg/kg | 0.0041 | 0.00025 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | mg/kg | 0.00052 | 0.00017 | 1 |
| Benzene | ND | | mg/kg | 0.00052 | 0.00017 | 1 |
| Toluene | ND | | mg/kg | 0.0010 | 0.00056 | 1 |
| Ethylbenzene | ND | | mg/kg | 0.0010 | 0.00014 | 1 |
| Chloromethane | ND | | mg/kg | 0.0041 | 0.00096 | 1 |
| Bromomethane | ND | | mg/kg | 0.0021 | 0.00060 | 1 |
| Vinyl chloride | ND | | mg/kg | 0.0010 | 0.00034 | 1 |
| Chloroethane | ND | | mg/kg | 0.0021 | 0.00047 | 1 |

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-08

Date Collected: 10/31/18 12:45

Client ID: B8 (10-10.5)

Date Received: 10/31/18

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|---------|---------|-----------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
| 1,1-Dichloroethene | ND | | mg/kg | 0.0010 | 0.00024 | 1 |
| trans-1,2-Dichloroethene | ND | | mg/kg | 0.0015 | 0.00014 | 1 |
| Trichloroethene | ND | | mg/kg | 0.00052 | 0.00014 | 1 |
| 1,2-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00015 | 1 |
| 1,3-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00015 | 1 |
| 1,4-Dichlorobenzene | ND | | mg/kg | 0.0021 | 0.00018 | 1 |
| Methyl tert butyl ether | ND | | mg/kg | 0.0021 | 0.00021 | 1 |
| p/m-Xylene | ND | | mg/kg | 0.0021 | 0.00058 | 1 |
| o-Xylene | ND | | mg/kg | 0.0010 | 0.00030 | 1 |
| Xylene (Total) | ND | | mg/kg | 0.0010 | 0.00030 | 1 |
| cis-1,2-Dichloroethene | ND | | mg/kg | 0.0010 | 0.00018 | 1 |
| 1,2-Dichloroethene (total) | ND | | mg/kg | 0.0010 | 0.00014 | 1 |
| Styrene | ND | | mg/kg | 0.0010 | 0.00020 | 1 |
| Dichlorodifluoromethane | ND | | mg/kg | 0.010 | 0.00094 | 1 |
| Acetone | ND | | mg/kg | 0.010 | 0.0050 | 1 |
| Carbon disulfide | ND | | mg/kg | 0.010 | 0.0047 | 1 |
| 2-Butanone | ND | | mg/kg | 0.010 | 0.0023 | 1 |
| 4-Methyl-2-pentanone | ND | | mg/kg | 0.010 | 0.0013 | 1 |
| 2-Hexanone | ND | | mg/kg | 0.010 | 0.0012 | 1 |
| Bromochloromethane | ND | | mg/kg | 0.0021 | 0.00021 | 1 |
| Isopropylbenzene | ND | | mg/kg | 0.0010 | 0.00011 | 1 |
| 1,2,3-Trichlorobenzene | ND | | mg/kg | 0.0021 | 0.00033 | 1 |
| 1,2,4-Trichlorobenzene | ND | | mg/kg | 0.0021 | 0.00028 | 1 |
| Methyl Acetate | ND | | mg/kg | 0.0041 | 0.00098 | 1 |
| Cyclohexane | ND | | mg/kg | 0.010 | 0.00056 | 1 |
| Methyl cyclohexane | ND | | mg/kg | 0.0041 | 0.00062 | 1 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | mg/kg | 0.0041 | 0.00072 | 1 |

Tentatively Identified Compounds

| | | | | |
|---------------------|-------|---|-------|---|
| Total TIC Compounds | 0.023 | J | mg/kg | 1 |
| Unknown | 0.014 | J | mg/kg | 1 |
| Unknown | 0.009 | J | mg/kg | 1 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-08
 Client ID: B8 (10-10.5)
 Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 12:45
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

| | | | | | | |
|---|--|--|--|--|--|--|
| Volatile Organics by GC/MS-5035 - Westborough Lab | | | | | | |
|---|--|--|--|--|--|--|

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 122 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 108 | | 70-130 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 11/05/18 17:33
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---------|-----------|-------|---------|---------|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-04,07-08 Batch: WG1176326-5 | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | | mg/kg | 0.0030 | 0.0010 |
| 1,4-Dioxane | ND | | mg/kg | 0.10 | 0.035 |
| 1,2-Dibromoethane | ND | | mg/kg | 0.0010 | 0.00028 |
| Methylene chloride | ND | | mg/kg | 0.0050 | 0.0023 |
| 1,1-Dichloroethane | ND | | mg/kg | 0.0010 | 0.00014 |
| Chloroform | ND | | mg/kg | 0.0015 | 0.00014 |
| Carbon tetrachloride | ND | | mg/kg | 0.0010 | 0.00023 |
| 1,2-Dichloropropane | ND | | mg/kg | 0.0010 | 0.00012 |
| Dibromochloromethane | ND | | mg/kg | 0.0010 | 0.00014 |
| 1,1,2-Trichloroethane | ND | | mg/kg | 0.0010 | 0.00027 |
| 2-Chloroethylvinyl ether | ND | | mg/kg | 0.020 | 0.0016 |
| Tetrachloroethene | ND | | mg/kg | 0.00050 | 0.00020 |
| Chlorobenzene | ND | | mg/kg | 0.00050 | 0.00013 |
| Trichlorofluoromethane | ND | | mg/kg | 0.0040 | 0.00070 |
| 1,2-Dichloroethane | ND | | mg/kg | 0.0010 | 0.00026 |
| 1,1,1-Trichloroethane | ND | | mg/kg | 0.00050 | 0.00017 |
| Bromodichloromethane | ND | | mg/kg | 0.00050 | 0.00011 |
| trans-1,3-Dichloropropene | ND | | mg/kg | 0.0010 | 0.00027 |
| cis-1,3-Dichloropropene | ND | | mg/kg | 0.00050 | 0.00016 |
| 1,3-Dichloropropene, Total | ND | | mg/kg | 0.00050 | 0.00016 |
| 1,1-Dichloropropene | ND | | mg/kg | 0.00050 | 0.00016 |
| Bromoform | ND | | mg/kg | 0.0040 | 0.00025 |
| 1,1,2,2-Tetrachloroethane | ND | | mg/kg | 0.00050 | 0.00017 |
| Benzene | ND | | mg/kg | 0.00050 | 0.00017 |
| Toluene | ND | | mg/kg | 0.0010 | 0.00054 |
| Ethylbenzene | ND | | mg/kg | 0.0010 | 0.00014 |
| Chloromethane | ND | | mg/kg | 0.0040 | 0.00093 |
| Bromomethane | 0.00096 | J | mg/kg | 0.0020 | 0.00058 |
| Vinyl chloride | ND | | mg/kg | 0.0010 | 0.00034 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/18 17:33
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|---------|-----------|-------|---------|---------|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-04,07-08 Batch: WG1176326-5 | | | | | |
| Chloroethane | ND | | mg/kg | 0.0020 | 0.00045 |
| 1,1-Dichloroethene | ND | | mg/kg | 0.0010 | 0.00024 |
| trans-1,2-Dichloroethene | ND | | mg/kg | 0.0015 | 0.00014 |
| Trichloroethene | ND | | mg/kg | 0.00050 | 0.00014 |
| 1,2-Dichlorobenzene | ND | | mg/kg | 0.0020 | 0.00014 |
| 1,3-Dichlorobenzene | ND | | mg/kg | 0.0020 | 0.00015 |
| 1,4-Dichlorobenzene | ND | | mg/kg | 0.0020 | 0.00017 |
| Methyl tert butyl ether | 0.00021 | J | mg/kg | 0.0020 | 0.00020 |
| p/m-Xylene | ND | | mg/kg | 0.0020 | 0.00056 |
| o-Xylene | ND | | mg/kg | 0.0010 | 0.00029 |
| Xylene (Total) | ND | | mg/kg | 0.0010 | 0.00029 |
| cis-1,2-Dichloroethene | ND | | mg/kg | 0.0010 | 0.00018 |
| 1,2-Dichloroethene (total) | ND | | mg/kg | 0.0010 | 0.00014 |
| Dibromomethane | ND | | mg/kg | 0.0020 | 0.00024 |
| 1,4-Dichlorobutane | ND | | mg/kg | 0.010 | 0.00023 |
| 1,2,3-Trichloropropane | ND | | mg/kg | 0.0020 | 0.00013 |
| Styrene | ND | | mg/kg | 0.0010 | 0.00020 |
| Dichlorodifluoromethane | ND | | mg/kg | 0.010 | 0.00092 |
| Acetone | ND | | mg/kg | 0.010 | 0.0048 |
| Carbon disulfide | ND | | mg/kg | 0.010 | 0.0046 |
| 2-Butanone | ND | | mg/kg | 0.010 | 0.0022 |
| Vinyl acetate | ND | | mg/kg | 0.010 | 0.0022 |
| 4-Methyl-2-pentanone | ND | | mg/kg | 0.010 | 0.0013 |
| 2-Hexanone | ND | | mg/kg | 0.010 | 0.0012 |
| Ethyl methacrylate | ND | | mg/kg | 0.010 | 0.0016 |
| Acrolein | ND | | mg/kg | 0.025 | 0.0056 |
| Acrylonitrile | ND | | mg/kg | 0.0040 | 0.0012 |
| Bromochloromethane | ND | | mg/kg | 0.0020 | 0.00020 |
| Tetrahydrofuran | ND | | mg/kg | 0.0040 | 0.0016 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/18 17:33
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|---------|---------|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-04,07-08 Batch: WG1176326-5 | | | | | |
| 2,2-Dichloropropane | ND | | mg/kg | 0.0020 | 0.00020 |
| 1,3-Dichloropropane | ND | | mg/kg | 0.0020 | 0.00017 |
| 1,1,1,2-Tetrachloroethane | ND | | mg/kg | 0.00050 | 0.00013 |
| Bromobenzene | ND | | mg/kg | 0.0020 | 0.00014 |
| n-Butylbenzene | ND | | mg/kg | 0.0010 | 0.00017 |
| sec-Butylbenzene | ND | | mg/kg | 0.0010 | 0.00015 |
| tert-Butylbenzene | ND | | mg/kg | 0.0020 | 0.00012 |
| o-Chlorotoluene | ND | | mg/kg | 0.0020 | 0.00019 |
| p-Chlorotoluene | ND | | mg/kg | 0.0020 | 0.00011 |
| Hexachlorobutadiene | ND | | mg/kg | 0.0040 | 0.00017 |
| Isopropylbenzene | ND | | mg/kg | 0.0010 | 0.00011 |
| p-Isopropyltoluene | ND | | mg/kg | 0.0010 | 0.00011 |
| Naphthalene | ND | | mg/kg | 0.0040 | 0.00065 |
| n-Propylbenzene | ND | | mg/kg | 0.0010 | 0.00017 |
| 1,2,3-Trichlorobenzene | ND | | mg/kg | 0.0020 | 0.00032 |
| 1,2,4-Trichlorobenzene | ND | | mg/kg | 0.0020 | 0.00027 |
| 1,3,5-Trimethylbenzene | ND | | mg/kg | 0.0020 | 0.00019 |
| 1,2,4-Trimethylbenzene | ND | | mg/kg | 0.0020 | 0.00033 |
| trans-1,4-Dichloro-2-butene | ND | | mg/kg | 0.0050 | 0.0014 |
| Ethyl ether | ND | | mg/kg | 0.0020 | 0.00034 |
| Methyl Acetate | ND | | mg/kg | 0.0040 | 0.00095 |
| Ethyl Acetate | ND | | mg/kg | 0.010 | 0.0012 |
| Isopropyl Ether | ND | | mg/kg | 0.0020 | 0.00021 |
| Cyclohexane | ND | | mg/kg | 0.010 | 0.00054 |
| tert-Butyl Alcohol | ND | | mg/kg | 0.020 | 0.0051 |
| Ethyl-Tert-Butyl-Ether | ND | | mg/kg | 0.0020 | 0.00013 |
| Tertiary-Amyl Methyl Ether | ND | | mg/kg | 0.0020 | 0.00018 |
| Methyl cyclohexane | ND | | mg/kg | 0.0040 | 0.00060 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | mg/kg | 0.0040 | 0.00069 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 11/05/18 17:33
Analyst: AD

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|--------|---------|
| Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-04,07-08 Batch: WG1176326-5 | | | | | |
| 1,2,4,5-Tetramethylbenzene | ND | | mg/kg | 0.0020 | 0.00019 |
| 1,4-Diethylbenzene | ND | | mg/kg | 0.0020 | 0.00018 |
| 4-Ethyltoluene | ND | | mg/kg | 0.0020 | 0.00038 |

Tentatively Identified Compounds

| | | | |
|---------------------|-------|---|-------|
| Total TIC Compounds | 0.005 | J | mg/kg |
| Unknown | 0.005 | J | mg/kg |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 117 | | 70-130 |
| Toluene-d8 | 100 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 70-130 |
| Dibromofluoromethane | 105 | | 70-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG1176326-3 WG1176326-4 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | 98 | | 98 | | 40-160 | 0 | | 30 |
| 1,4-Dioxane | 121 | | 115 | | 40-160 | 5 | | 30 |
| 1,2-Dibromoethane | 109 | | 109 | | 70-130 | 0 | | 30 |
| Methylene chloride | 98 | | 99 | | 70-130 | 1 | | 30 |
| 1,1-Dichloroethane | 106 | | 107 | | 70-130 | 1 | | 30 |
| Chloroform | 117 | | 117 | | 70-130 | 0 | | 30 |
| Carbon tetrachloride | 112 | | 110 | | 70-130 | 2 | | 30 |
| 1,2-Dichloropropane | 103 | | 104 | | 70-130 | 1 | | 30 |
| Dibromochloromethane | 111 | | 115 | | 70-130 | 4 | | 30 |
| 1,1,2-Trichloroethane | 108 | | 110 | | 70-130 | 2 | | 30 |
| 2-Chloroethylvinyl ether | 130 | | 133 | | 40-160 | 2 | | 30 |
| Tetrachloroethene | 115 | | 114 | | 70-130 | 1 | | 30 |
| Chlorobenzene | 105 | | 107 | | 70-130 | 2 | | 30 |
| Trichlorofluoromethane | 114 | | 112 | | 40-160 | 2 | | 30 |
| 1,2-Dichloroethane | 117 | | 119 | | 70-130 | 2 | | 30 |
| 1,1,1-Trichloroethane | 123 | | 121 | | 70-130 | 2 | | 30 |
| Bromodichloromethane | 125 | | 126 | | 70-130 | 1 | | 30 |
| trans-1,3-Dichloropropene | 113 | | 117 | | 70-130 | 3 | | 30 |
| cis-1,3-Dichloropropene | 116 | | 119 | | 40-160 | 3 | | 30 |
| 1,1-Dichloropropene | 115 | | 113 | | 70-130 | 2 | | 30 |
| Bromoform | 113 | | 116 | | 40-160 | 3 | | 30 |
| 1,1,2,2-Tetrachloroethane | 100 | | 101 | | 40-160 | 1 | | 30 |
| Benzene | 108 | | 108 | | 70-130 | 0 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

| Parameter | LCS | | LCSD | | %Recovery | | RPD | RPD | |
|--|-----------|------|-----------|------|-----------|------|-----|--------|----|
| | %Recovery | Qual | %Recovery | Qual | Limits | Qual | | Limits | |
| Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG1176326-3 WG1176326-4 | | | | | | | | | |
| Toluene | 107 | | 110 | | 70-130 | | 3 | | 30 |
| Ethylbenzene | 109 | | 110 | | 70-130 | | 1 | | 30 |
| Chloromethane | 79 | | 77 | | 40-160 | | 3 | | 30 |
| Bromomethane | 118 | | 115 | | 40-160 | | 3 | | 30 |
| Vinyl chloride | 97 | | 96 | | 70-130 | | 1 | | 30 |
| Chloroethane | 125 | | 124 | | 40-160 | | 1 | | 30 |
| 1,1-Dichloroethene | 103 | | 101 | | 70-130 | | 2 | | 30 |
| trans-1,2-Dichloroethene | 107 | | 106 | | 70-130 | | 1 | | 30 |
| Trichloroethene | 113 | | 113 | | 70-130 | | 0 | | 30 |
| 1,2-Dichlorobenzene | 104 | | 106 | | 70-130 | | 2 | | 30 |
| 1,3-Dichlorobenzene | 106 | | 107 | | 70-130 | | 1 | | 30 |
| 1,4-Dichlorobenzene | 102 | | 104 | | 70-130 | | 2 | | 30 |
| Methyl tert butyl ether | 110 | | 114 | | 70-130 | | 4 | | 30 |
| p/m-Xylene | 112 | | 112 | | 70-130 | | 0 | | 30 |
| o-Xylene | 114 | | 116 | | 70-130 | | 2 | | 30 |
| cis-1,2-Dichloroethene | 108 | | 110 | | 70-130 | | 2 | | 30 |
| Dibromomethane | 113 | | 114 | | 70-130 | | 1 | | 30 |
| 1,4-Dichlorobutane | 95 | | 97 | | 70-130 | | 2 | | 30 |
| 1,2,3-Trichloropropane | 103 | | 103 | | 70-130 | | 0 | | 30 |
| Styrene | 104 | | 107 | | 40-160 | | 3 | | 30 |
| Dichlorodifluoromethane | 55 | | 52 | | 40-160 | | 6 | | 30 |
| Acetone | 108 | | 108 | | 40-160 | | 0 | | 30 |
| Carbon disulfide | 94 | | 94 | | 40-160 | | 0 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG1176326-3 WG1176326-4 | | | | | | | | |
| 2-Butanone | 102 | | 93 | | 40-160 | 9 | | 30 |
| Vinyl acetate | 102 | | 100 | | 70-130 | 2 | | 30 |
| 4-Methyl-2-pentanone | 90 | | 93 | | 40-160 | 3 | | 30 |
| 2-Hexanone | 87 | | 89 | | 40-160 | 2 | | 30 |
| Ethyl methacrylate | 94 | | 97 | | 70-130 | 3 | | 30 |
| Acrolein | 89 | | 91 | | 40-160 | 2 | | 30 |
| Acrylonitrile | 101 | | 103 | | 70-130 | 2 | | 30 |
| Bromochloromethane | 108 | | 111 | | 70-130 | 3 | | 30 |
| Tetrahydrofuran | 98 | | 98 | | 70-130 | 0 | | 30 |
| 2,2-Dichloropropane | 120 | | 118 | | 40-160 | 2 | | 30 |
| 1,3-Dichloropropane | 109 | | 112 | | 70-130 | 3 | | 30 |
| 1,1,1,2-Tetrachloroethane | 115 | | 117 | | 70-130 | 2 | | 30 |
| Bromobenzene | 103 | | 107 | | 70-130 | 4 | | 30 |
| n-Butylbenzene | 105 | | 106 | | 70-130 | 1 | | 30 |
| sec-Butylbenzene | 103 | | 105 | | 70-130 | 2 | | 30 |
| tert-Butylbenzene | 102 | | 104 | | 70-130 | 2 | | 30 |
| o-Chlorotoluene | 104 | | 106 | | 70-130 | 2 | | 30 |
| p-Chlorotoluene | 104 | | 105 | | 70-130 | 1 | | 30 |
| Hexachlorobutadiene | 126 | | 127 | | 70-130 | 1 | | 30 |
| Isopropylbenzene | 102 | | 103 | | 70-130 | 1 | | 30 |
| p-Isopropyltoluene | 104 | | 105 | | 70-130 | 1 | | 30 |
| Naphthalene | 103 | | 104 | | 40-160 | 1 | | 30 |
| n-Propylbenzene | 103 | | 103 | | 70-130 | 0 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG1176326-3 WG1176326-4 | | | | | | | | |
| 1,2,3-Trichlorobenzene | 117 | | 116 | | 70-130 | 1 | | 30 |
| 1,2,4-Trichlorobenzene | 117 | | 116 | | 70-130 | 1 | | 30 |
| 1,3,5-Trimethylbenzene | 104 | | 106 | | 70-130 | 2 | | 30 |
| 1,2,4-Trimethylbenzene | 106 | | 108 | | 70-130 | 2 | | 30 |
| trans-1,4-Dichloro-2-butene | 93 | | 93 | | 70-130 | 0 | | 30 |
| Ethyl ether | 105 | | 108 | | 70-130 | 3 | | 30 |
| Methyl Acetate | 93 | | 95 | | 70-130 | 2 | | 30 |
| Ethyl Acetate | 99 | | 99 | | 70-130 | 0 | | 30 |
| Isopropyl Ether | 96 | | 97 | | 70-130 | 1 | | 30 |
| Cyclohexane | 95 | | 94 | | 70-130 | 1 | | 30 |
| tert-Butyl Alcohol | 106 | | 106 | | 40-160 | 0 | | 30 |
| Ethyl-Tert-Butyl-Ether | 106 | | 108 | | 70-130 | 2 | | 30 |
| Tertiary-Amyl Methyl Ether | 111 | | 110 | | 70-130 | 1 | | 30 |
| Methyl cyclohexane | 98 | | 96 | | 70-130 | 2 | | 30 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 105 | | 103 | | 70-130 | 2 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 103 | | 104 | | 70-130 | 1 | | 30 |
| 1,4-Diethylbenzene | 104 | | 105 | | 70-130 | 1 | | 30 |
| 4-Ethyltoluene | 104 | | 105 | | 70-130 | 1 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG1176326-3 WG1176326-4 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 117 | | 114 | | 70-130 |
| Toluene-d8 | 102 | | 102 | | 70-130 |
| 4-Bromofluorobenzene | 96 | | 97 | | 70-130 |
| Dibromofluoromethane | 109 | | 111 | | 70-130 |

SEMIVOLATILES

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-07
Client ID: B7 (10-10.5)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:25
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/18 00:40
Analyst: EK
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 22:26

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | ND | | mg/kg | 0.13 | 0.014 | 1 |
| 2-Chloronaphthalene | ND | | mg/kg | 0.17 | 0.016 | 1 |
| Fluoranthene | ND | | mg/kg | 0.10 | 0.019 | 1 |
| Naphthalene | ND | | mg/kg | 0.17 | 0.020 | 1 |
| Benzo(a)anthracene | ND | | mg/kg | 0.057 | 0.019 | 1 |
| Benzo(a)pyrene | ND | | mg/kg | 0.12 | 0.041 | 1 |
| Benzo(b)fluoranthene | ND | | mg/kg | 0.042 | 0.014 | 1 |
| Benzo(k)fluoranthene | ND | | mg/kg | 0.035 | 0.012 | 1 |
| Chrysene | ND | | mg/kg | 0.10 | 0.017 | 1 |
| Acenaphthylene | ND | | mg/kg | 0.13 | 0.019 | 1 |
| Anthracene | ND | | mg/kg | 0.10 | 0.015 | 1 |
| Benzo(ghi)perylene | ND | | mg/kg | 0.13 | 0.020 | 1 |
| Fluorene | ND | | mg/kg | 0.17 | 0.016 | 1 |
| Phenanthrene | ND | | mg/kg | 0.10 | 0.012 | 1 |
| Dibenzo(a,h)anthracene | ND | | mg/kg | 0.059 | 0.020 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | mg/kg | 0.071 | 0.024 | 1 |
| Pyrene | ND | | mg/kg | 0.10 | 0.015 | 1 |
| 2-Methylnaphthalene | ND | | mg/kg | 0.20 | 0.018 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|------------------|------------|-----------|---------------------|
| Nitrobenzene-d5 | 98 | | 30-130 |
| 2-Fluorobiphenyl | 102 | | 30-130 |
| 4-Terphenyl-d14 | 93 | | 30-130 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-08
Client ID: B8 (10-10.5)
Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 12:45
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/18 01:04
Analyst: EK
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 22:26

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---|--------|-----------|-------|-------|-------|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab | | | | | | |
| Acenaphthene | ND | | mg/kg | 0.13 | 0.014 | 1 |
| 2-Chloronaphthalene | ND | | mg/kg | 0.17 | 0.016 | 1 |
| Fluoranthene | ND | | mg/kg | 0.10 | 0.019 | 1 |
| Naphthalene | ND | | mg/kg | 0.17 | 0.020 | 1 |
| Benzo(a)anthracene | ND | | mg/kg | 0.056 | 0.019 | 1 |
| Benzo(a)pyrene | ND | | mg/kg | 0.12 | 0.041 | 1 |
| Benzo(b)fluoranthene | ND | | mg/kg | 0.042 | 0.014 | 1 |
| Benzo(k)fluoranthene | ND | | mg/kg | 0.035 | 0.012 | 1 |
| Chrysene | ND | | mg/kg | 0.10 | 0.017 | 1 |
| Acenaphthylene | ND | | mg/kg | 0.13 | 0.019 | 1 |
| Anthracene | ND | | mg/kg | 0.10 | 0.015 | 1 |
| Benzo(ghi)perylene | ND | | mg/kg | 0.13 | 0.020 | 1 |
| Fluorene | ND | | mg/kg | 0.17 | 0.016 | 1 |
| Phenanthrene | ND | | mg/kg | 0.10 | 0.012 | 1 |
| Dibenzo(a,h)anthracene | ND | | mg/kg | 0.058 | 0.019 | 1 |
| Indeno(1,2,3-cd)pyrene | ND | | mg/kg | 0.070 | 0.023 | 1 |
| Pyrene | ND | | mg/kg | 0.10 | 0.014 | 1 |
| 2-Methylnaphthalene | ND | | mg/kg | 0.20 | 0.018 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|------------------|------------|-----------|---------------------|
| Nitrobenzene-d5 | 88 | | 30-130 |
| 2-Fluorobiphenyl | 93 | | 30-130 |
| 4-Terphenyl-d14 | 84 | | 30-130 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/01/18 22:35
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/31/18 22:34

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-------|-------|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1174586-1 | | | | | |
| Acenaphthene | ND | | mg/kg | 0.13 | 0.014 |
| 2-Chloronaphthalene | ND | | mg/kg | 0.16 | 0.015 |
| Fluoranthene | ND | | mg/kg | 0.097 | 0.018 |
| Naphthalene | ND | | mg/kg | 0.16 | 0.020 |
| Benzo(a)anthracene | ND | | mg/kg | 0.054 | 0.018 |
| Benzo(a)pyrene | ND | | mg/kg | 0.12 | 0.040 |
| Benzo(b)fluoranthene | ND | | mg/kg | 0.041 | 0.014 |
| Benzo(k)fluoranthene | ND | | mg/kg | 0.034 | 0.011 |
| Chrysene | ND | | mg/kg | 0.097 | 0.017 |
| Acenaphthylene | ND | | mg/kg | 0.13 | 0.018 |
| Anthracene | ND | | mg/kg | 0.097 | 0.014 |
| Benzo(ghi)perylene | ND | | mg/kg | 0.13 | 0.019 |
| Fluorene | ND | | mg/kg | 0.16 | 0.016 |
| Phenanthrene | ND | | mg/kg | 0.097 | 0.012 |
| Dibenzo(a,h)anthracene | ND | | mg/kg | 0.056 | 0.019 |
| Indeno(1,2,3-cd)pyrene | ND | | mg/kg | 0.068 | 0.022 |
| Pyrene | ND | | mg/kg | 0.097 | 0.014 |
| 2-Methylnaphthalene | ND | | mg/kg | 0.19 | 0.017 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|---------------------|
| 2-Fluorophenol | 66 | | 30-130 |
| Phenol-d6 | 74 | | 30-130 |
| Nitrobenzene-d5 | 71 | | 30-130 |
| 2-Fluorobiphenyl | 73 | | 30-130 |
| 2,4,6-Tribromophenol | 71 | | 30-130 |
| 4-Terphenyl-d14 | 77 | | 30-130 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP

Project Number: 18-226412.2

Lab Number: L1844581

Report Date: 11/07/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1174586-2 WG1174586-3 | | | | | | | | |
| Acenaphthene | 67 | Q | 63 | Q | 70-130 | 6 | | 30 |
| 2-Chloronaphthalene | 64 | Q | 59 | Q | 70-130 | 8 | | 30 |
| Fluoranthene | 66 | Q | 60 | Q | 70-130 | 10 | | 30 |
| Naphthalene | 66 | Q | 61 | Q | 70-130 | 8 | | 30 |
| Benzo(a)anthracene | 66 | Q | 61 | Q | 70-130 | 8 | | 30 |
| Benzo(a)pyrene | 62 | Q | 56 | Q | 70-130 | 10 | | 30 |
| Benzo(b)fluoranthene | 60 | Q | 54 | Q | 70-130 | 11 | | 30 |
| Benzo(k)fluoranthene | 66 | Q | 58 | Q | 70-130 | 13 | | 30 |
| Chrysene | 67 | Q | 62 | Q | 70-130 | 8 | | 30 |
| Acenaphthylene | 66 | Q | 61 | Q | 70-130 | 8 | | 30 |
| Anthracene | 69 | Q | 65 | Q | 70-130 | 6 | | 30 |
| Benzo(ghi)perylene | 62 | Q | 59 | Q | 70-130 | 5 | | 30 |
| Fluorene | 66 | Q | 62 | Q | 70-130 | 6 | | 30 |
| Phenanthrene | 68 | Q | 63 | Q | 70-130 | 8 | | 30 |
| Dibenzo(a,h)anthracene | 64 | Q | 60 | Q | 70-130 | 6 | | 30 |
| Indeno(1,2,3-cd)pyrene | 62 | Q | 56 | Q | 70-130 | 10 | | 30 |
| Pyrene | 66 | Q | 61 | Q | 70-130 | 8 | | 30 |
| 2-Methylnaphthalene | 69 | Q | 63 | Q | 70-130 | 9 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|---|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1174586-2 WG1174586-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> Criteria |
|----------------------|-------------------------|-------------|--------------------------|-------------|-------------------------------|
| 2-Fluorophenol | 60 | | 55 | | 30-130 |
| Phenol-d6 | 65 | | 60 | | 30-130 |
| Nitrobenzene-d5 | 69 | | 64 | | 30-130 |
| 2-Fluorobiphenyl | 62 | | 58 | | 30-130 |
| 2,4,6-Tribromophenol | 59 | | 55 | | 30-130 |
| 4-Terphenyl-d14 | 61 | | 55 | | 30-130 |

PETROLEUM HYDROCARBONS

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-05
 Client ID: B5 (10-10.5)
 Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:50
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 11/01/18 20:56
 Analyst: MEO
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 11/01/18 08:11

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

| | | | | | | |
|---|--|--|--|--|--|--|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab | | | | | | |
|---|--|--|--|--|--|--|

| | | | | | | |
|-----------|----|--|-------|------|------|---|
| Total EPH | ND | | mg/kg | 24.3 | 24.3 | 1 |
|-----------|----|--|-------|------|------|---|

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-------------------|------------|-----------|---------------------|
| Chloro-Octadecane | 93 | | 40-140 |
| o-Terphenyl | 90 | | 40-140 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-06
 Client ID: B6 (10-10.5)
 Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 12:15
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 11/01/18 21:25
 Analyst: MEO
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 11/01/18 08:11

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

| | | | | | | |
|---|--|--|--|--|--|--|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab | | | | | | |
|---|--|--|--|--|--|--|

| | | | | | | |
|-----------|----|--|-------|------|------|---|
| Total EPH | ND | | mg/kg | 23.1 | 23.1 | 1 |
|-----------|----|--|-------|------|------|---|

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-------------------|------------|-----------|---------------------|
| Chloro-Octadecane | 89 | | 40-140 |
| o-Terphenyl | 89 | | 40-140 |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 11/01/18 19:55
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 11/01/18 08:11

| Parameter | Result | Qualifier | Units | RL | MDL |
|---|--------|-----------|-------|------|------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 05-06 Batch: WG1174707-1 | | | | | |
| Total EPH | ND | | mg/kg | 23.6 | 23.6 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-------------------|-----------|-----------|---------------------|
| Chloro-Octadecane | 85 | | 40-140 |
| o-Terphenyl | 83 | | 40-140 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 05-06 Batch: WG1174707-2 WG1174707-3 | | | | | | | | |
| Total EPH | 98 | | 99 | | 40-140 | 1 | | 25 |
| Nonane (C9) | 71 | | 65 | | 40-140 | 9 | | 25 |
| Decane (C10) | 85 | | 83 | | 40-140 | 2 | | 25 |
| Dodecane (C12) | 76 | | 75 | | 40-140 | 1 | | 25 |
| Tetradecane (C14) | 77 | | 76 | | 40-140 | 1 | | 25 |
| Hexadecane (C16) | 81 | | 82 | | 40-140 | 1 | | 25 |
| Octadecane (C18) | 88 | | 90 | | 40-140 | 2 | | 25 |
| Eicosane (C20) | 90 | | 92 | | 40-140 | 2 | | 25 |
| Heneicosane (C21) | 91 | | 92 | | 40-140 | 1 | | 25 |
| Docosane (C22) | 99 | | 102 | | 40-140 | 3 | | 25 |
| Tetracosane (C24) | 91 | | 93 | | 40-140 | 2 | | 25 |
| Hexacosane (C26) | 92 | | 93 | | 40-140 | 1 | | 25 |
| Octacosane (C28) | 91 | | 92 | | 40-140 | 1 | | 25 |
| triacontane (C30) | 90 | | 92 | | 40-140 | 2 | | 25 |
| Dotriacontane (C32) | 91 | | 93 | | 40-140 | 2 | | 25 |
| Tetracontane (C34) | 89 | | 92 | | 40-140 | 3 | | 25 |
| Hexatriacontane (C36) | 90 | | 93 | | 40-140 | 3 | | 25 |
| Octatriacontane (C38) | 90 | | 94 | | 40-140 | 4 | | 25 |
| Tetracontane (C40) | 93 | | 98 | | 40-140 | 5 | | 25 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

| Parameter | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>%Recovery</i> Limits | <i>RPD</i> | <i>Qual</i> | <i>RPD</i> Limits |
|--|-------------------------|-------------|--------------------------|-------------|----------------------------|------------|-------------|----------------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 05-06 Batch: WG1174707-2 WG1174707-3 | | | | | | | | |

| <i>Surrogate</i> | <i>LCS</i> %Recovery | <i>Qual</i> | <i>LCSD</i> %Recovery | <i>Qual</i> | <i>Acceptance</i> <i>Criteria</i> |
|-------------------|-------------------------|-------------|--------------------------|-------------|--------------------------------------|
| Chloro-Octadecane | 79 | | 80 | | 40-140 |
| o-Terphenyl | 76 | | 78 | | 40-140 |

Matrix Spike Analysis Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

| <i>Parameter</i> | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab B5 (10-10.5) Associated sample(s): 05-06 QC Batch ID: WG1174707-4 QC Sample: L1844581-05 Client ID: | | | | | | | | | | | | |
| Total EPH | ND | 236 | 302 | 128 | | - | - | | 40-140 | - | | 50 |
| Nonane (C9) | ND | 6.55 | 5.91 | 90 | | - | - | | 40-140 | - | | 50 |
| Decane (C10) | ND | 6.55 | 7.17 | 109 | | - | - | | 40-140 | - | | 50 |
| Dodecane (C12) | ND | 6.55 | 6.97 | 106 | | - | - | | 40-140 | - | | 50 |
| Tetradecane (C14) | ND | 6.55 | 7.24 | 110 | | - | - | | 40-140 | - | | 50 |
| Hexadecane (C16) | ND | 6.55 | 7.71 | 118 | | - | - | | 40-140 | - | | 50 |
| Octadecane (C18) | ND | 6.55 | 8.03 | 123 | | - | - | | 40-140 | - | | 50 |
| Eicosane (C20) | ND | 6.55 | 8.09 | 123 | | - | - | | 40-140 | - | | 50 |
| Heneicosane (C21) | ND | 6.55 | 8.08 | 123 | | - | - | | 40-140 | - | | 50 |
| Docosane (C22) | ND | 6.55 | 9.09 | 139 | | - | - | | 40-140 | - | | 50 |
| Tetracosane (C24) | ND | 6.55 | 7.98 | 122 | | - | - | | 40-140 | - | | 50 |
| Hexacosane (C26) | ND | 6.55 | 7.90 | 121 | | - | - | | 40-140 | - | | 50 |
| Octacosane (C28) | ND | 6.55 | 7.73 | 118 | | - | - | | 40-140 | - | | 50 |
| Triacontane (C30) | ND | 6.55 | 7.70 | 117 | | - | - | | 40-140 | - | | 50 |
| Dotriacontane (C32) | ND | 6.55 | 7.72 | 118 | | - | - | | 40-140 | - | | 50 |
| Tetratriacontane (C34) | ND | 6.55 | 7.49 | 114 | | - | - | | 40-140 | - | | 50 |
| Hexatriacontane (C36) | ND | 6.55 | 7.51 | 115 | | - | - | | 40-140 | - | | 50 |
| Octatriacontane (C38) | ND | 6.55 | 7.46 | 114 | | - | - | | 40-140 | - | | 50 |
| Tetracontane (C40) | ND | 6.55 | 7.70 | 117 | | - | - | | 40-140 | - | | 50 |

| <i>Surrogate</i> | <i>MS % Recovery</i> | <i>Qualifier</i> | <i>MSD % Recovery</i> | <i>Qualifier</i> | <i>Acceptance Criteria</i> |
|-------------------|----------------------|------------------|-----------------------|------------------|----------------------------|
| Chloro-Octadecane | 105 | | | | 40-140 |



Matrix Spike Analysis Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab B5 (10-10.5) Associated sample(s): 05-06 QC Batch ID: WG1174707-4 QC Sample: L1844581-05 Client ID: | | | | | | | | | | | | |

| Surrogate | MS % Recovery | Qualifier | MSD % Recovery | Qualifier | Acceptance Criteria |
|------------------|----------------------|------------------|-----------------------|------------------|----------------------------|
| o-Terphenyl | 105 | | | | 40-140 |

Lab Duplicate Analysis
Batch Quality Control

Project Name: REPAIR SHOP

Project Number: 18-226412.2

Lab Number: L1844581

Report Date: 11/07/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 05-06 QC Batch ID: WG1174707-5 QC Sample: L1844581-05 Client ID: B5 (10-10.5) | | | | | | |
| Total EPH | ND | ND | mg/kg | NC | | 50 |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|-------------------|-----------|-----------|-----------|-----------|---------------------|
| Chloro-Octadecane | 93 | | 95 | | 40-140 |
| o-Terphenyl | 90 | | 95 | | 40-140 |

METALS

Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-01

Date Collected: 10/31/18 10:25

Client ID: B1 (8.5-9)

Date Received: 10/31/18

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Lead, Total | 0.573 | J | mg/kg | 2.03 | 0.109 | 1 | 11/01/18 18:57 | 11/02/18 17:00 | EPA 3050B | 1,6010D | AB |



Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-02

Date Collected: 10/31/18 11:00

Client ID: B2 (8.5-9)

Date Received: 10/31/18

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Lead, Total | 0.623 | J | mg/kg | 2.08 | 0.111 | 1 | 11/01/18 18:57 | 11/02/18 17:04 | EPA 3050B | 1,6010D | AB |



Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

Method Blank Analysis Batch Quality Control

| Parameter | Result Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|------------------|-------|------|-------|-----------------|----------------|----------------|-------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1174995-1 | | | | | | | | | |
| Lead, Total | ND | mg/kg | 2.00 | 0.107 | 1 | 11/01/18 18:57 | 11/02/18 16:31 | 1,6010D | AB |

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1174995-2 SRM Lot Number: D102-540 | | | | | | | | |
| Lead, Total | 104 | | - | | 82-118 | - | | |

INORGANICS & MISCELLANEOUS

Project Name: REPAIR SHOP

Project Number: 18-226412.2

Lab Number: L1844581

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-01

Client ID: B1 (8.5-9)

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 10:25

Date Received: 10/31/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 97.6 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-02

Date Collected: 10/31/18 11:00

Client ID: B2 (8.5-9)

Date Received: 10/31/18

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 95.6 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP

Project Number: 18-226412.2

Lab Number: L1844581

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-03

Client ID: B3 (8.5-9)

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 09:30

Date Received: 10/31/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 97.5 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-04

Date Collected: 10/31/18 10:00

Client ID: B4 (8.5-9)

Date Received: 10/31/18

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 96.1 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP

Project Number: 18-226412.2

Lab Number: L1844581

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-05

Client ID: B5 (10-10.5)

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:50

Date Received: 10/31/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 97.8 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP

Lab Number: L1844581

Project Number: 18-226412.2

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-06

Date Collected: 10/31/18 12:15

Client ID: B6 (10-10.5)

Date Received: 10/31/18

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 98.2 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP

Project Number: 18-226412.2

Lab Number: L1844581

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-07

Client ID: B7 (10-10.5)

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 11:25

Date Received: 10/31/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|-----------------|---------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 98.2 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Project Name: REPAIR SHOP

Project Number: 18-226412.2

Lab Number: L1844581

Report Date: 11/07/18

SAMPLE RESULTS

Lab ID: L1844581-08

Client ID: B8 (10-10.5)

Sample Location: 811 MAIN STREET, BRADLEY BEACH, NJ 75503

Date Collected: 10/31/18 12:45

Date Received: 10/31/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 98.1 | | % | 0.100 | NA | 1 | - | 11/01/18 11:02 | 121,2540G | RI |



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** REPAIR SHOP**Project Number:** 18-226412.2**Lab Number:** L1844581**Report Date:** 11/07/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|----------------------|-------------------------|--------------|------------|-------------|-------------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1174764-1 QC Sample: L1844581-01 Client ID: B1 (8.5-9) | | | | | | |
| Solids, Total | 97.6 | 97.6 | % | 0 | | 20 |

Project Name: REPAIR SHOP**Lab Number:** L1844581**Project Number:** 18-226412.2**Report Date:** 11/07/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

| Cooler | Custody Seal |
|---------------|---------------------|
| A | Absent |

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--|
| L1844581-01A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |
| L1844581-01B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-01C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-01D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-01E | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-01F | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.3 | Y | Absent | | PB-TI(180) |
| L1844581-02A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |
| L1844581-02B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-02C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-02D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-02E | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-02F | Metals Only-Glass 60mL/2oz unpreserved | A | NA | | 3.3 | Y | Absent | | PB-TI(180) |
| L1844581-03A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |
| L1844581-03B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-03C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-03D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-04A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |
| L1844581-04B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-04C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-04D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-05A | Glass 250ml/8oz unpreserved | A | NA | | 3.3 | Y | Absent | | NJEPH-TPH-CAT2(14),TS(7),HOLD-8270(14) |
| L1844581-06A | Glass 250ml/8oz unpreserved | A | NA | | 3.3 | Y | Absent | | NJEPH-TPH-CAT2(14),TS(7),HOLD-8270(14) |
| L1844581-07A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Serial_No:11071813:59
Lab Number: L1844581
Report Date: 11/07/18

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|--------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------|
| L1844581-07B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-07C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-07D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-07E | Glass 120ml/4oz unpreserved | A | NA | | 3.3 | Y | Absent | | NJ-8270(14) |
| L1844581-08A | Vial MeOH preserved | A | NA | | 3.3 | Y | Absent | | NJ-8260HLW(14) |
| L1844581-08B | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-08C | Vial water preserved | A | NA | | 3.3 | Y | Absent | 01-NOV-18 03:43 | NJ-8260HLW(14) |
| L1844581-08D | Plastic 2oz unpreserved for TS | A | NA | | 3.3 | Y | Absent | | TS(7) |
| L1844581-08E | Glass 120ml/4oz unpreserved | A | NA | | 3.3 | Y | Absent | | NJ-8270(14) |

Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

GLOSSARY

Acronyms

| | |
|----------|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedances are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: REPAIR SHOP
Project Number: 18-226412.2

Lab Number: L1844581
Report Date: 11/07/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

| | | | | | | | | | | | |
|---|--|---|----------------|---|--------------------------------|---|--|---|--|--|--|
|  NEW JERSEY CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 | Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288 | Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105 | Page 1 of 1 | Date Rec'd in Lab 10/31/18 | ALPHA Job # L1844581 | | | | | | |
| | | Project Information Project Name: Repair Shop Project Location: 811 Main Street, Bradley Beach, NJ 75503 Project # 18-226412.2 | | Deliverables <input type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other | | Billing Information <input type="checkbox"/> Same as Client Info PO # | | | | | |
| Client Information Client: Partner Engineering and Science Inc. Address: 611 Industrial Way West Paterson, NJ 07724 Phone: 732 380 1700 Fax: 732 380 1701 Email: info@partneresi.com | | (Use Project name as Project #) <input type="checkbox"/> Project Manager: Jim Duba ALPHAQuote #: | | Regulatory Requirement <input checked="" type="checkbox"/> SRS Residential/Non Residential <input checked="" type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other | | Site Information Is this site impacted by Petroleum? Yes <input type="checkbox"/> Petroleum Product: | | | | | |
| Turn-Around Time Standard <input checked="" type="checkbox"/> 48HR Due Date: Rush (only if pre approved) <input checked="" type="checkbox"/> # of Days: | | These samples have been previously analyzed by Alpha <input type="checkbox"/> | | ANALYSIS | | Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below) | | | | | |
| For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input checked="" type="checkbox"/> Category 2 | | For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input checked="" type="checkbox"/> 8011 | | Other project specific requirements/comments: *= including 1,2-dibromoethane and 1,2-dichloroethane **= excluding 1,2-dibromo-3-chloropropane, 1,2-dibromoethane Please specify Metals or TAL and 1,4-dioxane Please run EPH on 48HR TAT only. Remaining analysis to be run on 5-day TAT | | Sample Specific Comments | | | | | |
| ALPHA Lab ID (Lab Use Only) | | Sample ID | | Collection Date Time | | Sample Matrix Sampler's Initials | | VOCs* 8260 Lead 6010 VOCs** 8260 EPH Category 2 with filtration option PAHs 8270 VOCs 8260 TBA 8260 | | Total Bottles | |
| 44581 -01 | | B1 (8.5-9) | | 10/31/18 1025 | | S W | | X X | | 5 | |
| -02 | | B2 (8.5-9) | | 1100 | | ↓ ↓ | | X X | | 5 | |
| -03 | | B3 (8.5-9) | | 930 | | ↓ ↓ | | X | | 4 | |
| -04 | | B4 (8.5-9) | | 1000 | | ↓ ↓ | | X | | 4 | |
| -05 | | B5 (10-10.5) | | 1150 | | ↓ ↓ | | X H | | 1 | |
| -06 | | B6 (10-10.5) | | 1215 | | ↓ ↓ | | X H | | 1 | |
| -07 | | B7 (10-10.5) | | 1125 | | ↓ ↓ | | X X | | 5 | |
| -08 | | B8 (10-10.5) | | 1245 | | ↓ ↓ | | X X | | 5 | |
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other | | Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle | | Westboro: Certification No: MA935 Mansfield: Certification No: MA015 | | Container Type Preservative | | V A V A A V V F A F A A F F | | Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.) | |
| Form No: 01-14 HC (rev. 30-Sept-2013) | | Relinquished By: | | Date/Time | | Received By: | | Date/Time | | | |
| | | [Signature] | | 10/31/18 15:20 | | Bob Jaraman AAL | | 10/31/18 15:20 | | | |
| | | Bob Jaraman | | 10/31/18 17:25 | | D. Santos AAL | | 10/31/18 18:30 | | | |
| | | D Santos AAL | | 10/31/18 22:50 | | [Signature] AAL | | 10/31/18 22:50 | | | |